

MIAMI-DADE

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VIA ELECTRONIC CORRESPONDENCE

January 31, 2017

CCN: 60811 File No: 8.DC.20.33

Chief, Environmental Enforcement Section Environment and Natural Resources Division

U.S. Department of Justice

P.O. Box 7611 Tom Mariani

Washington, D.C. 20044-7611 RE: DOJ No. 90-5-1-1-4022/1 Tom.Mariani@usdoi.gov

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Attn: Brad Ammons

Florida Department of Environmental Protection Southeast District – West Palm Beach 3301 Gun Club Road, MSC 7210-1 West Palm Beach, FL 33406

Attn: Compliance/Enforcement Section

Diane.Pupa@dep.state.fl.us

RE: Consent Decree (Case: No. 1:12-cv-24400-FAM), Reference DOJ Case No. 90-5-1-1-4022/1, Section IX - Reporting Requirements, Paragraph 33 - Semi-Annual Reports - 2016 Semi-Annual Report No. 2

Dear Sir/Madam:

In accordance with the provisions of Paragraph 33 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to both the United States Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2016 Semi-Annual Report No. 2. The report includes the progress made in implementing the requirements of the aforementioned Consent Decree during the period of time from July 1, 2016 through December 31, 2016. The report also includes the anticipated work to be completed over the next two calendar quarters through June 30, 2017.

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

CD Section IX, Paragraph 33, 2016 Semi-Annual Report No.2 January 31, 2017 Page 2

and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions regarding this matter, please call me at (786) 552-8120.

Sincerely,

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

Attachment: 2016 Semi-Annual Report No. 2

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2016 Semi-Annual Report No. 2 (Fifth Semi-Annual Report)

July 1, 2016 through December 31, 2016

Prepared for

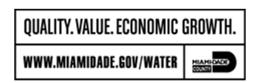
United States Environmental Protection Agency and Florida Department of Environmental Protection

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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Contents

1.0 Executive Summary	1
2.0 Introduction	11
2.1 Purpose	11
2.2 Requirements	11
2.3 Reporting Schedule	12
2.4 Reporting Structure	12
3.0 Work Progress	13
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	13
3.2 New CMOM Programs – Paragraph 19(a) through (h), (j)	13
3.2.1 Specific Capital Improvement Projects ("CIPs") Program – Paragraph 19(i)	13
3.3 Supplemental Environmental Project ("SEP") Plan	13
4.0 Additional Information	15
4.1 State's Ocean Outfall Legislation ("OOL")	15

Appendix

Α	Work Progress Tables
В	Project Schedule Gantt Charts
Tables	3
1-1	Completed CD Projects, Activities and Milestones2
1-2	Upcoming CD Projects, Activities, and Milestones5
1-3	Issues Log7

Acronyms and Abbreviations

AASIS Active As-built Supplemental Information Systems

AC Asbestos Cement

BODR Basis of Design Report

CD Consent Decree

CDWWTP Central District Wastewater Treatment Plant

CIP Capital Improvement Project

CIPP Cured in Place Pipe

CMOM Capacity, Management, Operations and Maintenance

County Miami-Dade County

EFT Electronic Funds Transfer

EPA Environmental Protection Agency

FDEP Florida Department of Environmental Protection

FM Force Main

FOG Fats, Oils and Grease

FSE Food Service Establishments

GDO Grease Discharge Operations

GIS Geographic Information System

GPD Gallons per Day

GPM Gallons per Minute

I/I Inflow/Infiltration

IMS Information Management System

LF Linear Foot

LWT Liquid Waste Transporters

MGD Million Gallons per Day

N/A Not Applicable

NDWWTP North District Waste Water Treatment Plant

NPDES National Pollutant Discharge Elimination System

OOL Ocean Outfall Legislation

PDR Public Document Repository

PS Pump Station

PSOPMP Pump Station Operations and Preventative Maintenance Program

R & R Renewal and Replacement

RER-DERM Department of Regulatory and Economic Resources-Division of Environmental

Resources Management

RTU Remote Telemetry Unit

SCADA Supervisory Control and Data Acquisition

SDWWTP South District Waste Water Treatment Plant

SEP Supplemental Environmental Project

SORP Sewer Overflow Response Plan

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 months after the date of lodging). On April 9, 2014, the Court approved the CD with the United States of America, the Florida Department of Environmental Protection, and the State of Florida.

The County submits this Semi-Annual Report ("Report") to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) for review and comment in accordance with the requirements of Paragraph 33 of the CD. In accordance with the CD, this Report includes a description of the projects and activities completed and milestones achieved during the previous two calendar quarters (July 1, 2016 through December 31, 2016), and also provides projections for significant projects and activities anticipated to be completed in the next two calendar quarters (January 1, 2017 through June 30, 2017).

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

The County has failed to meet the CD Compliance Date of December 31, 2016 for CD Appendix D-2 Capital Improvement Project (CIP) 5.16. Beside the aforementioned requirement, all other CD requirements were met for the previous two calendar quarters. The projects, activities, and milestones achieved, and the deliverables submitted to EPA/FDEP for review and comment are listed in Table 1-1. The upcoming projects, activities, milestones, and deliverables for the next two calendar quarters are listed in Table 1-2. Additional program and project information is included in the Work Progress Tables and Gantt charts in Appendix A and Appendix B, respectively.

Table 1-1 Completed CD Pro	ojects, Activities, Mi	lestones, and De	eliverables	
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Make available a copy of each specified Deliverable in the Public Document Repository (PDR) no later than one business day from submission	Section V, para 9	Ongoing	Ongoing	Yes
Ensure Adequate Pumping, Transmission and Treatment Capacity under the conditions of CD Appendix A	Section VI, para 18(a)	Ongoing	Ongoing	Yes
Continue implementing existing Pump Station Remote Monitoring Program	Section VI, para 18(b)	Ongoing	Ongoing	Yes
Continue implementing existing Spare Parts Program	Section VI, para 18(d)	Ongoing	Ongoing	Yes
Continued Implementation of Sanitary Sewer Overflow (SSO) Identification and Reporting	Section VI, para 19(b)	Within 24 hours and 5 days of known occurrence	Ongoing	Yes
Submit Response to EPA and FDEP Comments on PSOPMP	Section VI, para 19(f)	N/A	7/29/2016	Yes
Post Response to EPA and FDEP Comments on PSOPMP in PDR	Section V, para 9	1 business day after submittal	7/29/2016	Yes
Submit 2016 Quarterly Report No. 2	Section IX, para 32	8/1/2016	7/29/2016	Yes
Post 2016 Quarterly Report No. 2 in PDR	Section IX, para 36	1 business day after submittal	7/29/2016	Yes
Submit 2016 Semi-Annual Report No. 1	Section IX, para 33	8/1/2016	8/1/2016	Yes

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Post 2016 Semi-Annual Report No. 1 in PDR	Section IX, para 36	1 business day after submittal	8/1/16	Yes
Submit 2016 Request for Modification to Interim Milestones Report No. 3	Section VI, para 19(i) Section XX, para 82	N/A	8/8/2016	Yes
Post 2016 Request for Modification to Interim Milestones Report No.3 in PDR	Section V, para 9	1 business day after submittal	8/8/2016	Yes
Submit Response to EPA and FDEP Comments on GSSOMP	Section VI, para 19(e)	N/A	8/12/2016	Yes
Post Response to EPA and FDEP Comments GSSOMP in PDR	Section V, para 9	1 business day after submittal	8/12/2016	Yes
Submit Force Majeure Notification Letter for CD Appendix D-2 CIP 4.8	Section XI, para 52	N/A	9/8/2016	Yes
Post Force Majeure Notification Letter for CD Appendix D-2 CIP 4.8 in PDR	Section V, para 9	1 business day after submittal	9/8/2016	Yes
Submit Force Majeure Follow- up Letter for Consent Decree Appendix D-2 CIP 4.8	Section XI, para 52	N/A	9/30/2016	Yes
Post Force Majeure Follow-up Letter for Consent Decree Appendix D-2 CIP 4.8 in PDR	Section V, para 9	1 business day after submittal	9/30/2016	Yes
Submit 2016 Request for Modification to Interim Milestones Report No. 4	Section VI, para 19(i) Section XX, para 82	N/A	10/5/2016	Yes

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Post 2016 Request for Modification for Non-Material Change to Interim Milestones Report No.4 in PDR	Section V, para 9	1 business day after submittal	10/5/2016	Yes
Submit Payment of 2016 EPA and FDEP Stipulated Penalties	Section X, para 44 and 46; Section VII, para 21	10/16/2016	10/14/2016	Yes
Post Payment of 2016 EPA and FDEP Stipulated Penalties in PDR	Section V, para 9	1 business day after submittal	10/14/2016	Yes
Submit Force Majeure Notification Letter Hurricane Matthew	Section XI, para 52	N/A	10/19/2016	Yes
Post Force Majeure Notification Letter Hurricane Matthew in PDR	Section V, para 9	1 business day after submittal	10/19/2016	Yes
Submit 2016 Quarterly Report No. 3	Section IX, para 32	10/31/2016	10/28/2016	Yes
Post 2016 Quarterly Report No. 3 in PDR	Section IX, para 36	1 business day after submittal	10/28/2016	Yes
Submit Response to EPA and FDEP Comments on WWTP OMP	Section VI, para 19(h)	N/A	11/21/2016	Yes
Post Response to EPA and FDEP Comments WWTP OMP in PDR	Section V, para 9	1 business day after submittal	11/21/2016	Yes
Submit Payment of 2016 FDEP Demand for Stipulated Penalties	Section X, para 44 and 46; Section VII, para 21	12/07/2016	12/07/2016	Yes

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Post Payment of 2016 FDEP Demand for Stipulated Penalties in PDR	Section V, para 9	1 business day after submittal	12/07/2016	Yes
Submit 2016 Request for Modification to Interim Milestones Report No. 5	Section VI, para 19(i) Section XX, para 82	N/A	12/21/2016	Yes
Post 2016 Request for Modification for Non-Material Change to Interim Milestones Report No.5 in PDR	Section V, para 9	1 business day after submittal	12/21/2016	Yes
Submit Potential Failure to Meet CD Compliance Date for CIP 5.16	Section VI, para 19(i)	N/A	12/23/2016	Yes
Post Potential Failure to Meet CD Compliance Date for CIP 5.16 in PDR	Section V, para 9	1 business day after submittal	12/23/2016	Yes
CD Capital Improvement Project (CIP) 4.3 - Government Cut Phase 3	Section VI, para 19 (i)	4/8/2017	11/30/2016	Yes
CD CIP 5.10 – Upgrade of Pump Station No. 0488	Section VI, para 19 (i)	5/9/2018	12/8/2016	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 2016 Quarterly Report No. 4	Section IX, para 32	1/31/2017	1/31/2017	
Post 2016 Quarterly Report No. 4 in PDR	Section IX, para 36	1 business day after submittal	1 business day after submittal	
Submit 2016 Semi-Annual Report No.2	Section IX, para 33	1/31/2017	1/31/2017	
Post 2016 Semi-Annual Report No.2	Section IX, para 36	1 business day after submittal	1 business day after submittal	

Table 1-2 Upcoming CD Calendar Quarters	Projects, Activities, M	lilestones, and Deliver	ables in the Next Two
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Anticipated Completion or Submittal Date
Submit 2016 Annual Report	Section IX, para 34	3/1/2017	3/1/2017
Post 2016 Annual Report in PDR	Section IX, para 36	1 business day after submittal	1 business day after submittal
Submit 2017 Quarterly Report No. 1	Section IX, para 32	5/1/2017	5/1/2017
Post 2017 Quarterly Report No. 1 in PDR	Section IX, para 36	1 business day after submittal	1 business day after submittal
CD CIP 4.8 – Rehabilitation of 54-inch PCCP FM in the City of Miami	Section VI, para 19(i)	4/9/2017	4/9/2017
CD CIP 5.16 – Upgrade of Pump Station Nos. 0198, 0437, 0466 and 0680	Section IV para 19 (i) and CD Appendix D-2	12/31/2016	2/13/2017

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

Table	Table 1-3 Issues Log				
Item	Date	Description	Resolution/Clarification/Decision		
1	7/16/15	The CD states in Section X Stipulated Penalties Paragraph 50, "In exercising its discretion of whether to assess a stipulated penalty for an SSO, EPA and/or FDEP will consider the amount of sewage recovered." Therefore, it is MDWASD's intention to initiate, when applicable perform, the calculation or estimation of recovered SSO volume. MDWASD will develop the processes and procedures and submit them to EPA/FDEP for approval.	On March 11, 2016, WASD submitted a SOP for calculating recovered SSO volume to EPA/FDEP for review and approval. Final decision still pending.		

Item	Date	Description	Resolution/Clarification/Decision
2	9/17/15	Implementation schedules are required to be included in CMOM Program deliverables. However, these programs are interrelated and one program directly affects another. On the January 22, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD recommended that a consolidated implementation schedule be developed once all of the CMOM Program deliverables have been submitted.	EPA/FDEP followed up with an email on March 19, 2015 and agreed to allow WASD to submit a consolidated implementation schedule for all CMOM programs once all program documents have been submitted. On the September 17, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, Miami-Dade requested a deadline of March 2016 for the submittal of the CMOM Programs Consolidated Schedule of Implementation Activities. EPA and FDEP agreed to the requested deadline. WASD will submit a Consolidated Implementation Schedule for CMOM Programs to EPA/FDEP for review and approval by March 31, 2016. On March 31, 2016, the CMOM Programs Consolidated Implementation Schedule was submitted to EPA and FDEP for review and approval. Final decision still pending.

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

Item	Date	Description	Resolution/Clarification/Decision
4	12/04/15	On the December 4, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD proposed an alternate approach (new mechanical thickening centrifuges) to be used in lieu of rehabilitating existing gravity thickeners and merging CD South District CIPs 1.06 and 1.08 into a single project.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD affirmed that the CD description for CD Appendix D CIP 1.08 remained the same but submitted a Request for Non-Material Change for CD Appendix D CIP 1.06 on February 8, 2016. On August 2, 2016, WASD received EPA and FDEP approval for modification of CIP 1.06.
5	12/04/15	On the December 4, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD proposed an alternate approach (new mechanical thickening centrifuges) to be used in lieu of rehabilitating existing gravity thickeners and merging CD Central District CIPs 2.12, 2.13 and 2.16 into a single project.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD submitted a Request for Non-Material Change for CD Appendix D CIPs 2.12 and 2.13 on February 11, 2016. On August 2, 2016, WASD received EPA and FDEP approval for modification of CIPs 2.12 and 2.13.
6	07/28/16	At the July 28, 2016 CD Program Monthly Progress Meeting with EPA and FDEP, WASD inquired if the CD 60-day turn-around timeframe requirement for response to EPA/FDEP comments on deliverables would be in effect.	Brad Ammons mentioned that the 60-day turn-around timeframe requirement for responses would be a good guideline going forward. Miami-Dade will respond to EPA/FDEP comments on deliverables within 60-days of certified mailroom receipt.
7	10/20/16	At the October 20, 2016 CD Program Monthly Progress Meeting with EPA and FDEP, WASD requested that EPA/FDEP prioritize their review of response to CMOM Program's comments letters vs. review of CMOM Programs.	Brad Ammons mentioned that he thought it was a good idea and agreed to the request. EPA/FDEP will prioritize reviewing the County's response to EPA/FDEP comments on CMOM Programs upon receipt.

Table	Table 1-3 Issues Log				
Item	Date	Description	Resolution/Clarification/Decision		
8	11/18/16	In response to a Central District WWTP NOV of NPDES permit in early 2013, Miami-Dade requested all waste haulers to take their loads to the County's South District WWTP. Thus, hauled waste is no longer being accepted at the Central District WWTP and CD CIP 2.20 Septage Uploading was cancelled. At the November 18, 2016 CD Program Monthly Progress Meeting, this topic was discussed. Brad Ammons mentioned that cancellation of the project may require a material change to CD Appendix D.	On December 28, 2016, the Federal Judge granted a motion to modify Miami-Dade's Capital Work Plan and delete CD CIP 2.20 Septage Uploading at the Central District WWTP.		

2.0 Introduction

2.1 Purpose

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

2.2 Requirements

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

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

2.3 Reporting Schedule

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

2.4 Reporting Structure

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

3.0 Work Progress

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

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

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

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

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

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

3.3 Supplemental Environmental Project ("SEP") Plan

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

In the previous two calendar quarters, WASD's Design Consultant completed Engineering Design of the SEP Consent Decree Project (i.e., CD Project 6.00), consisting of approximately 8,000 linear feet of new gravity sewer main, and submitted the project to Permitting. Also, WASD completed construction of the SEP Phase 1A demonstration project (i.e., CD Project 6.01) involving installation of approximately 600 linear feet of new gravity sewer main. The combined

CD Projects 6.00 and CD 6.01 provide approximately 8,600 total linear feet of new gravity sewer main.

In the next two calendar quarters, WASD will finalize Permitting for the SEP CD Project 6.00, and initiate WASD Procurement. The SEP met the December 6, 2016 CD compliance deadline for completion of Engineering Design, and is on schedule to meet the CD compliance deadline for completion of Construction.

4.0 Additional Information

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

4.1 State's Ocean Outfall Legislation (OOL)

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

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

The OOL Program has undertaken an extensive master planning approach to better refine WASD's 2013 Compliance Plan and improve implementation by 2025. Significant coordination and planning was conducted to minimize stranded assets while addressing WASD's projected demands to the year 2035 in a cost-effective manner. The Compliance Plan 2016 Update (July 1, 2016) demonstrated that the adjusted Compliance Plan would meet the schedule and all compliance issues. However, the 2016 update noted that the master planning was still underway, which will be completed by March 2017.

WASD is on schedule to meet its obligations under the OOL. As of December 30, 2016, the conceptual designs for the South District projects are almost complete and the Central District conceptual designs will begin in the next quarter. Final design contracts will be assigned for South District upgrades as soon as possible. Two injection wells at the Central District are under construction and these will be operational by 2018 to meet the nutrient reduction requirements by 2025. Reuse master planning will be completed Fall 2017. Land acquisition for the proposed new western wastewater treatment plant is also proceeding. WASD is committed to meeting all objectives and requirements of the OOL and keeps the public informed of its progress through an active public outreach program.

	Table A-1	.1 Continuation of CMOM Programs of the	e First Partial Consent Decree and the Second	and Final Consent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(a)	Adequate Pumping, Transmission and Treatment Capacity Program	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	1. Monitored and tracking the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer Utility. 2. Placed under Moratorium those pump stations that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 3. Removed from Moratorium status those pump stations for which the utility completed and certified the Remedial Action Plans (RAP) to bring below the 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 4. Completed monthly reports for the Certification of Nominal Average Pump Operating Time (NAPOT) for each Volume Sewer Customer Utility. 5. Sent copies of the Certification of Nominal Average Pump Operating Time (NAPOT) to each Volume Sewer Customer Utility. 6. Upgraded ET system/database to automatically place pump stations with missing ET or duplicate readings under Incomplete Moratorium (IN). 7. Upgraded ET system/database to automatically place pump stations under Incomplete Moratorium (IN) for failure to submit ET readings by the 14th of the following month.	 Continue Monitoring and Tracking of monthly ET submittals. Automatic and/or Manual placement in moratorium those pump stations that fail to submit ET readings or submit duplicate readings. Continue generating monthly NAPOT & ALLOCATION reports and copy each corresponding Utility and Building Official, respectively. Develop plan for upgrading ET system/database to capture ET readings for ALL-PUMPS ON and Midnight-5 am hours for all pump stations with 26 HP and larger pumps.

Page 1 of 45

	Table A-1	.1 Continuation of CMOM Programs of the	e First Partial Consent Decree and the Second	d and Final Consent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(b)	Pump Station Remote Monitoring Program	The Pump Station Remote Monitoring Program is being implemented in accordance with Paragraph 18(b) of the CD. The continuing program involves the installation and operation of remote monitoring equipment in all Pump Stations in the Wastewater Collection and Transmission System (WCTS) within 6 months after the County becomes operationally responsible for Pump Station. The pump station monitoring system shall continuously monitor, report and transmit data.	Work on the program has been ongoing.	Work on the program is ongoing and will continue beyond June 30, 2017.

	Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree					
Davagraph	Duois et Nome	Project Description	Actions Completed During Previous Two	Anticipated Actions to Be Performed in the		
Paragraph	Project Name	Project Description	Calendar Quarters	Next Two Calendar Quarters		
18(c)	Wastewater Collection and Transmission System Model	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	hydraulic modeling analysis to provide evaluation of impact from proposed modifications, upgrades and expansions to the WCTS. These efforts were performed for the following CD Projects: CD 5.18 (1) PS0441; CD 5.18 (2) PS0491; CD 5.18 (3) PS0710; CD 5.18 (4) PS0827; CD 5.18 (5) PS0852, CD 5.18 (6) PS1236; CD 6.00 SEP. Assisted CD PMCM Construction Managers in development of alternate operation strategies for maintenance of service during construction activities for CD Projects 4.5, 4.8 and 4.10 as well as improvements to PS0187. Reports were developed to document hydraulic modeling analysis for submittal to Miami-Dade, RER-DERM, and FDEP as part of the permit application. Completed update of WCTS Hydraulic Model network geometry to match the current conditions of the system, these updates include latest information: Addition of Private Pump Stations; Update Node and Flood Types;	projects into hydraulic model. Complete Point of Connection letters for RER permit application for CD Projects 5.18(1), 5.18(2), 5.18(3), 5.18(4), 5.18(5) and 5.18(6) and 6.00 SEP. Provide assistance to CD PMCM Construction Managers in development of alternate operation strategies for maintenance of service during construction activities for CD Projects. Continue efforts associated with collection and processing of SCADA data for pump station inflow calculation for all pump stations through implementation of flow calculation algorithm. In addition, WCTS flow monitoring will be performed based on flow meter manual readings comparison with SCADA data. Continue efforts associated with first stage calibration of WASD WCTS Hydraulic Model which involves the hydraulic parameters of all force mains as well as major gravity lines. Assist WASD IT, Planning Division and CMOM		

	Table A-1	.1 Continuation of CMOM Programs of th	e First Partial Consent Decree and the Second	d and Final Consent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(c)	Wastewater Collection and Transmission System Model (continued)	accordance with Paragraph 18(c) of the CD. The model assists in the development 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.	model results; Development of RTC for selected calibration events; Development of Flow Monitoring Plan; Complete Model/GIS element crosswalk. Initiated first stage calibration of WASD WCTS Hydraulic Model which involves the hydraulic parameters of all force mains as well as major gravity lines. Continued efforts to update hydraulic model with information available for CD Projects, Ocean Outfall Legislation Projects, Master Plan Projects, Pump Station Improvement Projects as well as New Development Projects in an effort to maintain the most up to date projection scenarios for years 2020, 2025 and 2035 in the Pump Model.	Continue efforts to update hydraulic model with information available for CD Projects, Ocean Outfall Legislation Projects, Master Plan Projects, Pump Station Improvement Projects as well as New Development Projects in an effort to maintain the most up to date projection scenarios for years 2020, 2025 and 2035 in the Pump Model.
	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, 2017.

	Table A-1	.1 Continuation of CMOM Programs of the	e First Partial Consent Decree and the Second	d and Final Consent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(e)	Volume Sewer Customer Ordinance Program	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.	2. Placed moratoriums within the PS basin when required by Chapter 24 3. RER-DERM received 2017 Electronic GIS Sanitary Sewer Atlas with As-Built from all VSCs. 4. RER-DERM received Sanitary Sewer Evaluation Surveys from All Utilities.	SSES Annual Report due March 2017. RER-DERM to complete review of Plan of Complaince for VSCs. RER-DERM to comeplete rerview of SSES reports for VSCs RER-DERM & WASD will continue testing the As-Built and Electronic Sanitary Sewer GIS Atlas submitted by VSCs.

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(a)	Fats, Oils and Grease Control Program	being implemented in accordance with Paragraph	RER-DERM submitted revisions to FOG Control Program on December 8, 2016. EPA and FDEP sent out comments on the Program on December 22, 2016. Response to EPA and FDEP Comments on the FOG Control Program were initiated. Work on the program was ongoing: 1. Continue to develop/improve the FOG Control Technician Training.	 Impalement FOG1.75 review standards. Update LWT Permit Conditions, including eManifest and NO Commingling. Update FOG Plan Review Tracking form. Impalement upgraded FOG database (PEN) to allow improved GDO tracking. Continue ticketing NGTs. Continue FOG Outreach Program: 2 of FOG Round Table meeting. Design Professional FCD Design Training. eManifest Training. Update FOG Control Device Design Guidance (FOG1.75/2.0). Implement no-comingling requirements. Submit updated FOG Control Program & Ordinance to EPA. Initiate process to have Board of County Commissioner approve FOG ordinance after receiving EPA/FDEP approvence approve FOG ordinance after receiving EPA/FDEP approvence appro

	Table	A-2.1 Continuation of CMOM	Programs of the First Partial Consent Decree and	d the Second and Final Consent Decree
Paragraph F	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(b) C	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.	The Program document was finalized and submitted to the EPA/FDEP on July 2, 2015 ahead of the CD compliance date July 6, 2015.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2017.

	Table	A-2.1 Continuation of CMOM	Programs of the First Partial Consent Decree and	the Second and Final Consent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(c)	Information Management System Program	developed in accordance with Paragraph 19(c). This	The Program document was finalized and submitted to the EPA/FDEP on December 4, 2015 ahead of CD compliance date December 7, 2015.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2017.

	Table	A 211 CONGINUATION OF CIVION	Programs of the First Partial Consent Decree and	
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(c)(x)	Geographic Information Systems Program	The GIS Program is being developed in accordance with Paragraph 19(c)(x). This Program will improve the existing map of the County's entire WCTS. The scope of work for this Program involves completing the estimated 1800 GIS backlog projects and estimated 2000 reported GIS data inconsistencies prior to June 7, 2017.	GIS data entry activities included: Completion of 118 Sewer projects: 31 miles of pipe modified or added; 1336 above ground assets modified or added. Completion of 20 sewer AASIS: 1/2 mile of pipe modified or added; 19 above ground assets modified or added. Sewer Backlog has been completed and new sewer projects are being completed within 90 days of being received by the GIS Maintenance Group. Completion of 821 Water projects: 352 miles of pipe modified or added; 18,936 above ground assets modified or added. Completion of 112 water AASIS: 7 miles of pipe modified or added. Completion of 112 water AASIS: 7 miles of pipe modified or added. Continued manhole rim elevation and gravity invert elevation data capture project. Continued simplification of the AASIS process to facilitate wider usage. New application is being developed. GIS Training Refresher Program was started. Manual and online videos are currently being developed. GIS to Hydraulic Model Interfaces was started. Electronic As-built Submission analysis for conversion tool was started. Streamlining the manual as-built to GIS process to satisfy the 90 day requirement was started by improving as-built submittal specifications. The Department has published these new specifications and have begun efforts to improve as-built acceptance procedures.	GIS activities will include miles of pipe added, miles of pipe modified, above ground assets added and above ground assets modified in the next two calendar quarters. Finalizing task authorizations for: 1. GIS Training Refresher Program. 2. GIS to Hydraulic Model Interface. Continue collecting elevation of manhole rims and pipe inverts and their inclusion into GIS. The following tasks should also begin: 1. Streamlining the manual as-built to GIS process to satisf 90 day requirement 2. GIS to Hydraulic Model Integration to satisfy 90 day requirement from GIS to Model 3. GIS Training Refresher Program 4. Electronic As-Built Submittal

	Table	A-2.1 Continuation of CMOM	Programs of the First Partial Consent Decree and	the Second and Final Consent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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.	The Program document was finalized and submitted to the EPA/FDEP on the CD compliance date October 6, 2015.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2017.
19(e)	Gravity Sewer System Operations and Maintenance Program	19(e) of the CD. This	Program was pending EPA and FDEP approval. EPA and FDEP sent out comments on the Program on June 21, 2016. Response to EPA and FDEP Comments on the GSSOMP were submitted on August 12, 2016. Work on the program was ongoing.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2017.

	Table	A-2.1 Continuation of CMOM	Programs of the First Partial Consent Decree and	I the Second and Final Consent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(f)	Pump Station Operations and Preventative Maintenance Program	and Preventive Maintenance Program is being developed in accordance with Paragraph	Program was pending EPA and FDEP approval. EPA and FDEP sent out comments on the Program on June 21,2016. Response to EPA and FDEP Comments on the PSOPMP were submitted on July 29, 2016. Work on the program was ongoing.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2017.
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.	and submitted to the EPA/FDEP on the CD compliance date August 6, 2015. The FMRRP was finalized and submitted to the EPA/FDEP on December 4, 2015 ahead of the CD compliance	Programs are pending EPA and FDEP approval. Work on the programs will be ongoing and will continue beyond June 30, 2017.

	Table	A-2.1 Continuation of CMOM	Programs of the First Partial Consent Decree and	the Second and Final Consent Decree
Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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.	Program was pending EPA and FDEP approval. EPA and FDEP sent out comments on the program August 18, 2016. Response to EPA and FDEP Comments on the WWTP OMP were submitted on November 21, 2016. Work on the program was ongoing.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2017.
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.	Program was pending EPA and FDEP approval. The County received EPA and FDEP comments on November 25, 2015. Response to EPA and FDEP Comments on the FAP submitted on January 29, 2016. Work on the program was ongoing.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2017.

		Table A-3.1 South District WWTP Capital Improvement Projection	ects	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
1.1	Headworks	The SDWWTP Headworks project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves routine repairs on existing bar screen mechanisms in headwork structure prior to aerated grit chambers. Failure of bar screen mechanism could result in the blinding of the bar screen and cause an overflow of raw sewage from the plant headworks structure towards nearby surface waters, especially during peak wet weather.	Procurement and construction continued.	Procurement and construction will continue.
1.2	Oxygen Production	The SDWWTP Oxygen Production project will be performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace and retrofit existing air compression units.	Permitting continued. Procurement commenced.	Permitting will be completed. Procurement will continue. Construction of new electrical building will commence.

		Table A-3.1 South District WWTP Capital Improvement Proje	ects	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
1.3	Oxygenation Trains	This project was split into three child projects; (1) for the structural rehab of the trains, (2) for the electrical building expansions and (3) for the mixer upgrades.	Design for 1.3(1) structural rehab of Train 4 commenced. Design continued for 1.3(2) Electrical Building Expansion. 1.3(3) Construction of Train 7 Mixer Upgrade completed.	Design for structural rehab of Train 4 will continue. Design for structural rehab of Train 5 will commence. Structural Rehab design will commence for Train 5 and be completed for Train 4. Procurement for 1.3(1) Train 4 Oxygenation tanks structural rehab will commence and be completed. Design for 1.3(2) Electrical Building Expansion will continue. Construction for 1.3(3) Train 4 Mixer Upgrade will commence.

	Table A-3.1 South District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
1.4	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.	In validation/planning stage.	Design will commence.	
1.5	Effluent Pump Station	The SDWWTP Effluent Pump Station project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves an upgrade of the existing obsolete pump control systems, upgrade of the pumps drives and motors, and structural rehabilitation of pump station wet well, i.e. chambers 2 through 4. This project has been split into three separate child projects: (1) structural rehabilitation of the effluent pump wet wells; (2) the building improvements and equipment for the remaining pumps respectively; (3)the electrical equipment associated with pumps 7,8 and 9.	Design, permitting, procurement and construction continued.	Design, permitting, procurement and construction will continue.	
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 designbuild delivery method. Permitting and procurement continued.	Permitting and procurement will continue.	
1.7	Digesters and Control Buildings	The SDWWTP Digester and Control Buildings project will be performed pursuant to Paragraph 19(i) and Appendix D. The project involves the rehabilitation or replacement of digester roofs; digester tank cleaning, structural rehabilitation and coating, sludge mixers improvement. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal.	Design and permitting continued.	Design will be completed. Permitting will continue. Procurement will commence.	

	Table A-3.1 South District WWTP Capital Improvement Projects					
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
1.8	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 completed. Permitting and procurement continued.	Permitting will be completed and procurement will continue.		
1.9	FOG Removal Facility	The SDWWTP FOG Removal Facility project is being performed pursuant to Paragraph 19(i) and Appendix D. The current FOG separation tank is not capable of adequately handing solids load, resulting in excess odors and unanticipated manual labor to remove large amounts of grit, settled soils and hardened grease. The purpose of this project is to improve separation operations to the recently constructed FOG removal facility. This will result in the conveyance of oils and floating grease to a beneficial use option process and the removal of excess grit and settled solids.	Permitting was completed. Procurement commenced	Procurement will be completed. Construction will commence.		
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.	In validation/planning stage.	No activities milestone scheduled.		
1.11	General Electrical	The SDWWTP General Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1) SDWWTP General Electrical In-House Construction. 2) Expand Switchgear A & B. 3) Replace Primary Feeders from Elect. Bldg. 1 to Substation 8.	Design continued. Permitting commenced.	Design and permitting will continue. Procurement will commence for 1.11(3)		

	Table A-3.1 South District WWTP Capital Improvement Projects					
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
1.12	Chlorine Contact Chamber Structural Rehabilitation	The SDWWTP Chlorine Contact Chamber Structural project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the structural rehabilitation and coating of chlorine contact chambers 1 through 4.	Design, procurement and construction continued.	Design, procurement and construction will continue.		

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
2.1	Electrical Improvements	The CDWWTP Electrical Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple components more accurately reflect the way the work is being executed: 1) CDWWTP General Electric In-house Construction - Substations 1, 2, 7A, 8A, 9A & 10A 2) Substations 3, 4A, 4B, 5 & 6 – This work is part of Project 2.27. 3) Substations 9 & 10 - This work is part of Project 2.10. 4) Substations 11 & 12 – This work is part of Project 2.11. 5) Substations 15 & 16 – This work is part of Project 2.15. 6) Substations 17 & 18 – This work is part of Project 2.19.	Design, permitting, procurement, and construction ongoing Note: The majority of this work will be done in conjunction with other CD projects. Construction of Sub-Stations 1 & 2 Completed on May 5, 2016. Construction of substations 15 & 16 (2.15) will commence.	Design, permitting, procurement and construction will continue. Construction of substations 17 & 18 (2.19) will commence.	
2.2	Building Improvements	The CDWWTP Building Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the repair of maintenance, operations control and administration buildings at the plant. It includes the repair of the roofs and the staff facility. This project has been split into two child projects.1) Administration building and roofing improvement. 2) Remodeling work that was in the original Consent Decree scope.	Procurement continued. Construction commenced.	Construction will continue.	
2.3	Headworks Plant 1	The CDWWTP Headworks/Grit Basin Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing screening facilities at the CDWWTP influent pump station are inefficient. This results in the accumulation of rags and plastics in plant processes which sometimes leads to pump, mixer and clarifier collection mechanism failure. This project involves the addition of influent screens and an electrical room with upgraded electrical instrumentation.	Permitting was completed. Procurement continued. Construction continued.	Construction will continue.	

	Table A-3.2 Central District WWTP Capital Improvement Projects					
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
2.4	Headworks Plant 2	The CDWWTP Headworks/Grit Basin project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing screening facilities at the CDWWTP influent pump station are inefficient. This results in the accumulation of rags and plastics in plant processes which sometimes leads to pump, mixer and clarifier collection mechanism failure. This project involves the addition of influent screens and an electrical room with upgraded electrical instrumentation.	<u> </u>	Procurement and Construction will continue.		
2.5	Oxygenation Trains Plant 1	The CDWWTP Oxygenation Trains Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application. Mixer retrofits were completed in early 2014.	Train #2 Plant 1 commenced.	Structural rehabilitation work for Train #2 and Train #3 will be performed by WASD in-house forces during the dry seasons. Design and procurement for oxygenation Trains in Plant 1, will continue. Structural rehab of Train #2 will commence.		

		Table A-3.2 Central District WWTP Capital Improvement Proje	ects	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.6	Oxygenation Trains Plant 2	The CDWWTP Oxygenation Trains Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application.	Procurement and construction continued. Structural Rehab of Train #1 Plant 2 continued. Electrical equipment /expand structure for Trains Plant 2 continued.	Procurement for Oxygenation Trains Plant 2 will continue. Structural rehabilitation for Train #1 Plant 2 will continue. Electrical equipment/ expand Structure for Trains Plant 2 will be completed.
2.7	Secondary Clarifiers Plant 1	The CDWWTP Secondary Clarifiers Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure and replace the sludge collection mechanisms in the plant. This project has been split in 3 child projects: 1) Secondary Clarifiers Plant 1. 2) Secondary Clarifiers plant 1 Train Mechanisms. 3) Secondary Clarifiers Plant 1 Structural Rehab.	In validation/planning stage.	No activities milestone scheduled.
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.	Design continued. Permitting commenced.	Design will be completed. Permitting 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 2.07.	In validation/planning stage.	Design will commence.

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
2.10	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.	Design, permitting, procurement and construction continued. Construction of RAS Header pipe continued.	Design will be completed. Permitting, procurement and construction will continue. Construction of RAS Header pipe will be completed.	
2.11	Effluent Pump Station	The CDWWTP Effluent Pump Station project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the pump in the effluent pump station.	Design continued.	Design will be completed. Permitting will commence.	
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.	This project is being performed under design-build delivery method. Design was completted. Permitting and procurement continued.	Procurement will	
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.	This project is being performed under designbuild delivery method. Design was completed. Permitting and procurement continued.	Procurement will	

	Table A-3.2 Central District WWTP Capital Improvement Projects					
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
2.14	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.	In validation/planning stage.	Design will commence.		
2.15	Digesters Plant 2	The CDWWTP Digesters Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the complete rehabilitation of sludge digester clusters, i.e. roofs, concrete structures, recirculation and transfer pumps, mixers, and electrical pumps. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project has been split into 4 different child projects; 2.15(1) refers to digesters in cluster 1 and 2.15(2) refers to digesters in cluster 2, 2.15(3) refers to digesters in cluster 3 and 2.15(4) refers to digesters in cluster 4.	Cluster 1: Permitting and procurement were completed. Construction continued. Cluster 2: Design was completed and permitting commenced. Cluster 3: Design continued. Cluster 4: Design continued.	Cluster 1: Construction will continue. Cluster 2: Permitting will be completed and procurement will commence. Cluster 3: Design will continue. Cluster 4: Design and permitting will continue.		
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.	Design was completed. Permitting and procurement continued.	procurement will		

	Table A-3.2 Central District WWTP Capital Improvement Projects				
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
2.17	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.	Procurement and construction continued.	Procurement will be completed. Construction will continue.	
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 will be performed earlier in coordination with the Headworks projects (2.03/2.04), and the remainder will be performed in coordination with the Dewatering project (2.16).	Permitting and procurement continued. Construction commenced.	Permitting, procurement and 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 two separate "child" projects: 1) Generator Replacement and 2) Biogas Treatment Facilities.	Design was completed. Permitting, procurement, and construction continued. Generator replacement was completed on January 27, 2016.	Permitting and procurement will be completed Construction will continue.	

Table A-3.2 Central District WWTP Capital Improvement Projects					
Project Number Project Name		Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
2.20	Septage Uploading	The CDWWTP Septage Unloading project is required under Paragraph 19(i) and Appendix D. The CD scope of this project included the construction of a new septage handling station to remove FOG from the main wastewater treatment stream and treat either through digestion or an off-site third part facility. However, the violation associated with this project was resolved by requiring all hauled waste to be sent to the South District WWTP as of January 2013.	Motion to delete Project 2.20 Septage Uploading at CD WWTP has been approved by the Court on December 28, 2016.	N/A	
2.21	Pump Station 1	The CDWWTP Pump Station No. 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the pump station for the odor control system and rehabilitate the bar screen mechanisms.	Design continued.	Design will be complete. Permitting will commence.	
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.	Permitting was completed. Procurement continued.	Construction will commence.	
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.	Procurement continued. Construction commenced.	Procurement will be completed. Construction will continue.	

	Table A-3.2 Central District WWTP Capital Improvement Projects						
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
2.25	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) WASD In House HVAC Improvements. 2) Headworks HVAC Improvements (Project 2.03/2.04) 3) Digester Control Building HVAC Improvements (Project 2.15) 4) Pump Station 1 HVAC Improvements (Project 2.21) 5) Pumps Station 2 HVAC Improvements (Project 2.22)	Construction	Design, permitting, procurement and construction will continue.			
2.26	Rehabilitation of Walkways and	The CDWWTP Rehabilitation of Walkways and Stairways project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of corroded walkways, stairways, railings, grating throughout the plant.	Work is being performed by in-house WASD resources. Construction continued.	Construction will continue.			
2.27	Oxygen Production	The CDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing units are near the end of useful life and prone to failure. The purpose of this project is to construct a new 80 ton/day oxygen production cryogenic tower and air compression unit to provide full redundancy.	Design continued.	Design will be completed. Permitting and procurement will commence.			
2.28	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			

	Table A-3.2 Central District WWTP Capital Improvement Projects						
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
2.29	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.	N/A			

	Table A-3.3 North District WWTP Capital Improvement Projects					
Project Number	Project Name	Project Name Project Description		Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
	Headworks and Sludge Degritting Transfer	The NDWWTP Headworks and Sludge Degritting and Transfer project is being performed pursuant to Paragraph 19(i) and Appendix D. This project is a 2 Phase approach to improve the existing screening facilities at the NDWWTP. In Phase 1, bar screens are replaced with perforated plate screens and Phase 2 involves the upgrade of the pretreatment buildings for fire code compliance and replacement of primary sludge grit separation equipment.	Construction Phase 1 and Phase 2 continued.	Construction Phase 1 will be completed. Construction Phase 2 will continue.		
	Primary Clarifiers	The NDWWTP Primary Clarifiers and Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structures of the primary clarifiers. It also involves the rehabilitation of the mechanical and odor control systems at the plant.	Design and permitting continued.	Design will be completed. Permitting will continue. Procurement and construction will commence		
3.3	Oxygenation Trains	The NDWWTP Oxygenation Trains project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structures of the aeration tanks and its mechanical and electrical systems.	In validation/planning stage.	No activities milestone scheduled.		
3.4	Oxygen Production	The NDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the oxygen plant and its mechanical and electrical systems.		Design will continue.		
3.5	Secondary	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 3 child projects: 3.5(1) Replace Mechanisms # 3,6,8; 3.5(2) Remaining Scope of Work; and 3.5(3) Replace Mechanisms #1,2,4,5,7,9,&10.	Design, permitting, procurement and construction continued. Mechanisms #1,2,4,5,7,9,&10 replacement continued.	Design, permitting, procurement and construction will continue. Permitting will commence. Mechanisms #1,2,4,5,7,9,&10 replacement will be completed.		

		Table A-3.3 North District WWTP Capital Improvement Pro	ojects	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
3.6	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.	Design was completed. Permitting commenced.	Permitting will be completed. Procurement will commence.
3.7	Effluent Disposal	The NDWWTP Effluent Disposal project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the installation of standby pumps to ensure effluent disposal capacity and the structural rehabilitation of the ocean outfall pump station wet well. All of the 3.07 work has been combined into a single project. The Deep Injection Well (DIW) mechanical and electrical equipment is being managed by WASD Plant Staff. The CD scope is limited to pumps 5-6, where pumps 1-4 will be funded through the overall WASD CIP.	The OO Pump Station rehabilitation was completed in March 2015. Procurement was completed and construction continued.	Construction will continue.
3.8	Plant Wide Electrical	The NDWWTP Plant Wide Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed at the NDWWTP. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1) NDWWTP General Electrical In House Construction Feeders 1 and 2 have been replaced. Feeders 9-14 are related to a new future electrical building and are pending WASD's decision to construct this new building. 2) Electrical Feeders 3-6 Feeders 3-6 will be replaced in conjunction with Project 3.01. 3) Electrical Feeders 7-8 Feeders 7 and 8 will be replaced along with Project 3.04.	Design, permitting, procurement and construction continued.	Design, permitting, procurement and construction will continue.

	Table A-3.3 North District WWTP Capital Improvement Projects						
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
3.9	Flood Mitigation	The NDWWTP Flood Mitigation project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to mitigate the flood potential in the Generator and Electrical Building at the NDWWTP.	This project was completed on June 24, 2016.	N/A			
3.10	Yard Piping Replacement	The NDWWTP Yard Piping Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the wastewater piping that interconnects unit processes throughout the plant.	Project was completed on May 24, 2016	N/A			
3.11	SCADA RTU Upgrades	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	Project was completed on November 26, 2014 ahead of the CD compliance date March 24, 2015.	N/A			

	Table A-4.1 Wastewater Collection and Transmission Lines					
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
4.1	Collection System I/I Repairs		Work on this project is ongoing.	Work on this project will continue.		
4.2	Government Cut FM Phase 1 & 2		the CD compliance date	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.	N/A		

	Table A-4.1 Wastewater Collection and Transmission Lines					
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
4.4	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.	May 5, 2016 ahead of the CD compliance date of	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. This project has been split into two (2) separate child projects; one which includes the 2.5 miles of 54" pipe rehabilitation and another for required bypasses.	Deign and procurement continued. Construction commenced.	Design and procurement will be completed. Construction will continue.		
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 substantially completed on May 27, 2014 ahead of the CD compliance date October 29, 2016.	N/A		
4.7	Rehabilitation of 18 DIP FM in Miami Lakes	This Miami Lakes Force Main Replacement project is being replaced in accordance with Paragraph 19(i) and Appendix D. The purpose of this project is to replace severely corroded 18-inch pipe that has had multiple failures. It replaces one mile of 18 inch DIP FM located at NW 60 Avenue and NW 138 Street.	Construction was substantially completed on December 7, 2015 ahead of the CD compliance date April 9, 2017.	N/A		

	Table A-4.1 Wastewater Collection and Transmission Lines						
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
4.8	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. This project has been split into two separate child projects. The first (4.8.1) includes the two miles of PCCP pipe rehabilitation as stipulated in the Consent Decree scope. The second child project (4.8.2) includes the remaining two miles of pipe rehab or replacement necessary to ensure the long term integrity of this force main segment. Both sections will utilize a performance specification delivery method for trenchless technology.	Procurement was completed. Construction commenced.	Construction will be completed			
4.9	Replace Approximately 30 miles of AC FM Transmission System	This Force Main Transmission System Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace asbestos cement force mains that have experienced failures and are difficult to locate in the field. This includes approximately 30 miles of AC FM transmission system. This project has been divided into multiple sub/child projects. See individual status of each project in Table A-4.2.	Design, permitting, procurement and construction continued.	Design, permitting, procurement and construction will continue.			
4.10	Opa-Locka Airport FM Replacement	The Opa-Locka Airport PCCP Force Main Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of 2.5 miles of 48" PCCP force main running along the Biscayne Canal between NW 57th Avenue & NW 32nd Avenue. The length has been determined to have approximately one quarter of its line segments distressed based on in-situ condition assessments.	Procurement was completed. Construction commenced.	Construction will continue.			

	Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System						
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
1	12	SW 112 Ave. & SW 104 St.	SW 112 Ave. & SW 112 St.	Design commenced	Design will be completed. Permitting will commence.		
2	8	NE 14 Ave. & 191 St.	NE 14 Ave. & Miami Gardens Dr.	Construction for this project was completed on October 25, 2016.	N/A		
3	6	PS 356	NW 53 Ct. & NW 195 Dr.	This project was completed on August 11, 2014.	N/A		
4	8	NW 53 Ct. & NW 195 Dr.	NW 52 Ct. & NW 191 Dr.	This project was completed on August 11, 2014.	N/A		
5	10	NW 52 Ct. & NW 191 St.	NW 52 Ct. & NW 188 Dr.	This project was completed on August 11, 2014.	N/A		
6	6	PS 362	NW 52 Ct. & NW 190 Dr.	Procurement was completed.	Construction will commence and be completed.		
7	10	NW 52 Ct. & NW 190 St.	NW 52 Ave. & NW 189 Ter.	Procurement was completed.	Construction will commence and be completed.		
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		

	Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System						
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
16	10	PS 427		This project was completed on June 3, 2015.	N/A		
17	10	NW 29 Pl. and NW 191 St.		This project was completed on June 3, 2015.	N/A		
18	6	PS 376		This project was completed on June 3, 2015.	N/A		
19	6	PS 377		This project was completed on June 3, 2015.	N/A		
20	8	PS 366	NW 42 Pl. & NW 199 Ter.	Construction commenced.	Construction will be completed.		
21	10	NW 42 Pl. & NW 199 Ter.	NW 39 Ct. & NW 199 St.	Construction commenced.	Construction will be completed.		
22	6	PS 358	PS 352	Construction commenced.	Construction will be completed.		
23	8	PS 1022	PS 1072	Design was completed. Permitting commenced and was completed.	Procurement will commence and be completed. Construction will commence.		
24	8	PS 353	NW 48 Ct. & NW 178 Ter.	Construction commenced and was completed on October 27, 2016.	N/A		
25	10	NW 52 Ave. & NW 173 Dr.	NW 52 Ave. & NW 178 Ter.	Procurement was completed. Construction commenced.	Construction will be completed.		
26	6	PS 354	NW 52 Ave. & NW 173 Dr.	Procurement was completed. Construction commenced.	Construction will be completed.		
27	4	Pvt. PS @ SW 149 Ter.	MH 14 @ PS 719	Construction for this project was completed on November 20, 2015.	N/A		

	Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System						
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
28	8	PS 786	MH 5 @ PS 785	In planning/validation stage.	Design will commence and be completed. Permitting will commence.		
29	12	PS 811	SW 107 Ave. & SW 76 St.	Permitting continued	Permitting will be completed. Procurement will commence and be completed. Construction will commence.		
30	12	PS 811	SW 102 Ave. & SW 81 St.	Permitting continued	Permitting will be completed. Procurement will commence and be completed. Construction will commence.		
31	10	PS 812	SW 102 Ave. & SW 84 St.	Permitting continued	Permitting will be completed. Procurement will commence and be completed. Construction will commence.		
32	12	SW 107 Ave. & SW 104 St.	SW 107 Ave. & Kendale Blvd.	Procurement was completed.	Construction will commence.		
33	4	Pvt. PS @ 114 Ave. & SW 169 St.	MH 59 @ SW 103 Ave.	Construction for this project commenced and was completed on August 12, 2016.	N/A		
34	10	PS 709	Homestead Ave. & Kumquat St.	Design continued.	Design will be completed. Permitting will commence.		
35	6	SW 110 Ave. & Banyan St.	SW 95 Ave. & SW Banyan St.	Design continued.	Design will be completed. Permitting will commence.		
36	4	PS 721	US1 & Banyan St.	Design continued.	Design will be completed. Permitting will commence.		

	Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System					
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters	
37	4	PS 749	PS 731	Design continued.	Design will be completed. Permitting will commence.	
38	4	PS 747	US1 & East Indigo St.	Design continued.	Design will be completed. Permitting will commence.	
39	10	SW 102 Ave. & SW 176 St.	Homestead Ave. & West Jessamine	Design continued.	Design will be completed. Permitting will commence.	
40	8	PS 745	SW 102 Ave. & SW 175 St.	Design continued.	Design will be completed. Permitting will commence.	
41	4	PS 731	SW Duval Ave. & West Indigo St.	Design continued.	Design will be completed. Permitting will commence.	
42	7()	SW 102 Ave. & West Jessamine	US1 & SW 184 St.	Design continued.	Design will be completed. Permitting will commence.	
43	12	Homestead Ave. & 180 St.	Railroad St. & SW 184 St.	Design continued.	Design will be completed. Permitting will commence.	
44	8	PS 810	SW 118 Pl. & SW 72 St.	In planning/validation stage.	Design will commence and be completed. Permitting will commence.	
45	12	PS 793	SW 118 Pl. & SW 72 St.	In planning/validation stage.	Design will commence and be completed. Permitting will commence.	
46	6	PS 724	SW 106 Ave. & SW 155 St.	Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.	
47	8	PS 869	SW 122 Ave. & SW 88 St.	Construction commenced.	Construction will be completed.	
48	10	PS 1017	SW 123 Pl. & SW 268 St.	Design continued.	Design will be completed. Permitting will commence.	
49	10	PS 1029	SW 132 Ave. & 268 St.	Design continued.	Design will be completed. Permitting will commence.	

	Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System				
Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
50	8	SW 137 Ave. & SW 268 St.	SW 128 Ave. & 268 St.	Design continued.	Design will be completed. Permitting will commence.
51	10	PS 1028	SW 137 Ave. & 288 St.	Design continued.	Design will be completed. Permitting will commence.
52	10	PS 1027	SW 132 Ave. & 280 St.	Design continued.	Design will be completed. Permitting will commence.
53	8	PS 1018	MH 44A @ SW 132 Ave.	Design continued.	Design will be completed. Permitting will commence.
54	12	SW 137 Ave. & SW 72 St.	SW 142 Ave. & SW 72 St.	In planning/validation stage.	Design will commence.
55	12	SW 142 Ave. & SW 72 St.	SW 147 Ave. & SW 72 St.	In planning/validation stage.	Design will commence.
56	8	PS 864	SW 147 Ave. & SW 72 St.	In planning/validation stage.	Design will commence.
57	Q	SW 142 Ave. & Kendale Lakes Blvd.	SW 140 Ave. & Kendale Lakes Blvd.	In planning/validation stage.	Design will commence.
58	1()	SW 140 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & Kendale Lakes Blvd.	In planning/validation stage.	Design will commence.
59	12	SW 137 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & SW 81 St.	In planning/validation stage.	Design will commence.
60	8	PS 1013	PS 1012	Design commenced.	Design will continue.
61	10	PS 1012	SW 144 Ave. & SW 280 St.	Design commenced.	Design will continue.
62	8	PS 1011	SW 144 Ct. & SW 280 St.	Design commenced.	Design will continue.
63	10	SW 147 Ave. & SW 288 St.	SW 134 Pl. & SW 288 St.	Design continued.	Design will be completed. Permitting will commence.
64	6	PS 1009	SW 147 Ave. & SW 296 St.	In planning/validation stage.	Design will commence and be completed. Permitting will commence.
65	6	PS 1006	PS 1005	Design commenced.	Design will continue.
66	8	PS 1002	SW 152 & SW 304 St.	In planning/validation stage.	Design will commence.

		Table A-5.1 Sewer Pump Station System	ns	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.1	Upgrade of PS No. 0418	The Upgrade of PS No. 0418 project is being performed pursuant to Paragraph 19(i) and Appendix D. The station has reached the end of its useful life and a booster station is needed to relieve pressures in the Doral area. The purpose of this project is to convert PS No. 0418 into a booster type station.	Construction continued.	Construction will continue.
5.2		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.	Design continued.	Design will be completed. Permitting will commence.
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.	Design was completed. Permitting commenced.	Permitting will completed. Procurement will commence.
5.4	0414	The Replacement of Switchgear PS No. 0414 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a booster station is needed to relieve the pressures and reroute flow away from PS 1310 and PS 0300. The purpose of this project is to convert PS 0414 into a booster type station and rehabilitate and replace the entire facility equipment (pumps, motors, electrical equipment, HVAC, valves, and piping).	Permitting continued. Procurement commenced.	Permitting and procurement will be completed. Construction will commence.

		Table A-5.1 Sewer Pump Station System	ns	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.5	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS 0415.	Procurement commenced.	Permitting and procurement will be completed. Construction will commence.
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.	Permitting continued. Procurement commenced.	Permitting and procurement will be completed. Construction will commence.
5.7	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and the wet well structure is badly deteriorated due to H_2S . This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS 0417.	Permitting continued. Procurement commenced.	Permitting and procurement will be completed. Construction will commence.
5.8	Replacement of Electrical and Mechanical Equipment PS No 0107	The Replacement of Electrical and Mechanical Equipment PS No. 0107 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond of the PS is beyond its useful life and parts are not readily available for the load cell type controllers. This project involves the replacement of pumping and electrical equipment of PS No. 0107.	Procurement was completed. Construction commenced.	Construction will continue.

		Table A-5.1 Sewer Pump Station System	ns	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.9	Replacement of Pumping and Electrical Equipment PS No. 0301	The Replacement of Pumping and Electrical Equipment PS No. 0301 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a new pump station is needed to address future capacity needs, sea level rise and storm surge. Phase 1 of the project involves the replacement of the pumps, electrical equipment and generators, in addition to rehabilitation of the HVAC equipment of PS 0301. Phase 2 will include the construction of a new submersible pump station.	Permitting was completed. Procurement commenced.	Procurement will be completed. Construction will commence.
5.10	Upgrade of PS No. 0488	The Upgrade of PS No. 0488 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond its useful life. This project involves the conversion of the PS a submersible type station.	This project was completed on December 8, 2016 ahead of the CD compliance date May 9, 2018.	N/A
5.11	Installation of 60 inch FM from Kendall Dr. to PS No. 0536	Currently, there is a pressure differential and increase flow transfer between PS #0559 and PS #0536. The purpose of this project was originally to install a 60" FM from Kendall Dr. to PS #0536 to eliminate the 42" reduction in the 60" FM. System reviews and analysis has determined that the installation of a 48-inch cross connection between the existing 72-inch effluent FM to an existing 48-inch force main will accomplish the desired reduction in pressure differential.	Permitting and	Permitting and procurement will be completed. Construction will commence.

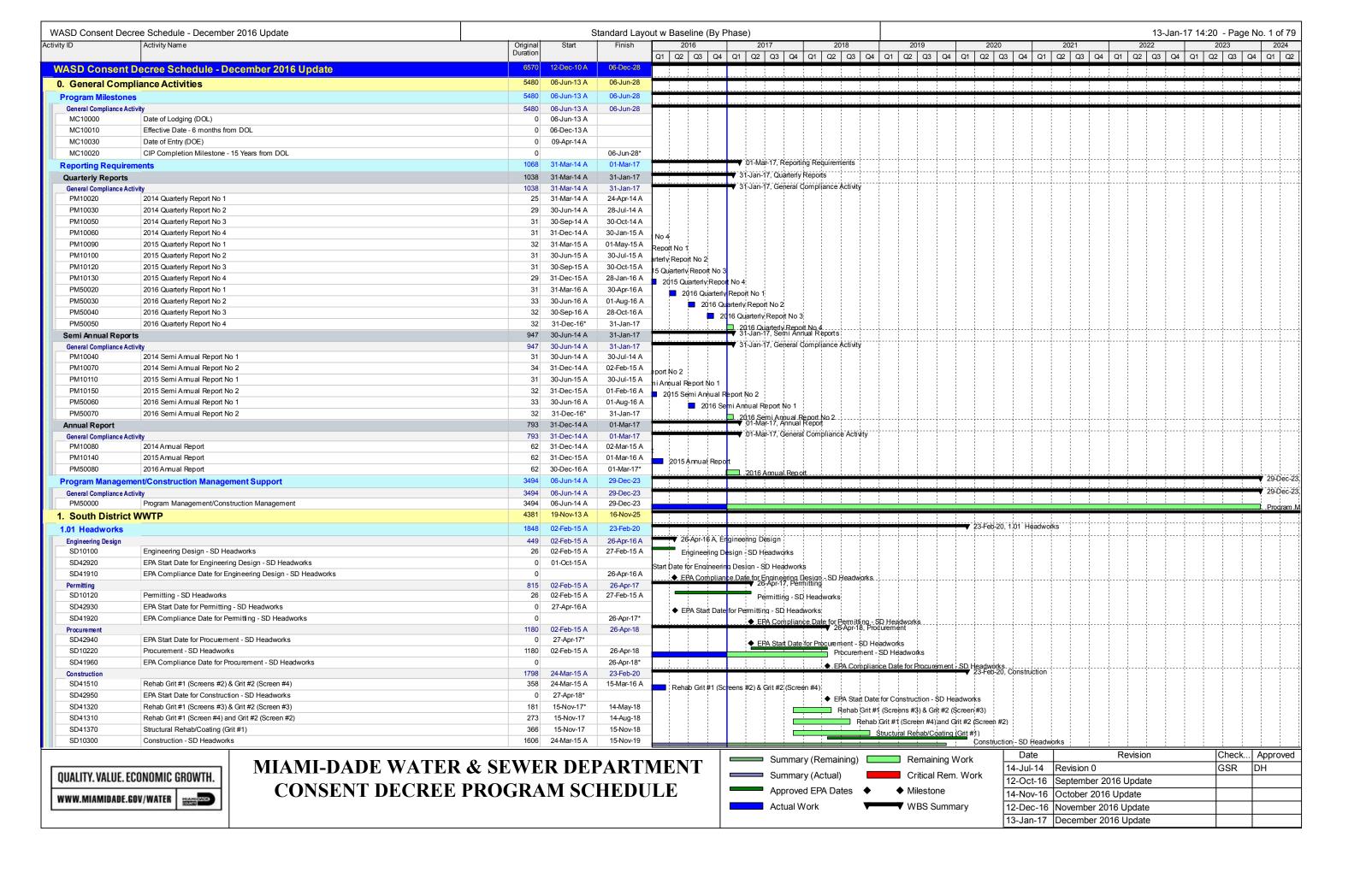
		Table A-5.1 Sewer Pump Station System	ns	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.12	Replacement of Switchgear PS No. 0187	The Replacement of Switchgear PS No. 0187 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.	Permitting was completed. Procurement continued.	Procurement will be completed. Construction will commence.
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 July 20, 2016.	N/A
5.14	Upgrade of PSs Nos. 0086 and 0492	The Upgrade of Pump Stations No. 0086 and 0492 project was performed and completed pursuant to Paragraph 19(i) and Appendix D. The project was designed to increase reliability and extend the service life of the pump station. The pump stations also exceeded the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. For this project, Pump Station No. 0086 was converted to a submersible type pump station with an existing wet well and the electrical controls and instrumentation were upgraded. The electrical controls and instrumentation for Pump Station No. 0492 were upgraded. It was also rehabilitated to a new submersible type pump station.	PS No. 0086 was completed on July 15, 2013 and PS No. 0492 on April 25, 2013. Both were completed ahead of the CD compliance date December 31, 2013.	N/A

	Table A-5.1 Sewer Pump Station Systems						
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters			
5.15	Upgrade of PSs Nos. 0065, 0201, 0334, 0374, 0607	The Upgrade of PSs No. 0065, 0201, 0334, 0374, 0607 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0065 is being upgraded to include new submersible pumps in the existing dry well, installation of larger suction and discharge piping, and an electrical upgrade. The PS No. 0201 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and 48 l/l repairs for a flow of 176 gpm. The PS No. 0334 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 2,200 L.F. of new 8 inch FM. The PS No. 0374 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the installation of 320 L.F. of new 8 inch FM. The PS No. 0607 project involves the conversion to a new submersible type pump station and an electrical upgrade.	30, 2015 ahead of the CD compliance date December 31, 2015.	N/A			

		Table A-5.1 Sewer Pump Station System	ns	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.16	Upgrade of PSs Nos.0198, 0437, 0466, 0680	The Upgrade of PSs No. 0198, 0437, 0466, 0680 project is being performed pursuant to Paragraph 19(i) and Appendix D. These pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS #0198 is being upgraded to include new submersible pumps in a new triplex wet well, an electrical upgrade and flow isolation. PS #0437 is being upgraded to include new dry pit submersible pumps, replacement of roughly 100 linear feet of 10" force main to the street connection, and electrical upgrades. PS#0466 is being upgraded to include refurbishment of the existing wet well and repairs to pipes and valves. PS #0680 is being upgraded to include new submersible pumps, new valve box, electrical upgrades and a new generator with sub-base tank.	completed. Construction commenced. PS#0198: Construction continued. PS#0437: Construction was completed on	PS#0198 Construction will be completed.

		Table A-5.1 Sewer Pump Station System	ns	
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.17	Upgrade of PSs Nos. 0037, 0351, 0370, 0403	The Upgrade of PSs No. 0037, 0351, 0370, 0403 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0037 project involves the conversion to a new submersible type pump station and an electrical upgrade. The PS No. 0351 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the replacement of 360 L.F. of 4 inch with 8 inch FM. The PS No. 0370 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 760 L.F. of new 8 inch FM. The PS No. 0403 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of an on-site generator.	completed. Permitting continued. Procurement commenced. PS#0351: Design was completed. Permitting and procurement commenced.	PS#0351: Design was completed. Permitting and procurement commenced. PS#0370: Permitting and procurement will be completed. Construction will

	Table A-5.1 Sewer Pump Station Systems					
Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters		
5.18	Upgrade of PSs Nos. 0441, 0491, 0710, 0827, 0852, 1236	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.	Design commenced	Design will continue.		
5.19	SCADA RTU Upgrades	The SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units for 635 pump stations to maintain operational sustainability.		N/A		



ID	cree Schedule - December 2016 Update Activity Name	Original	Start	Standard Lay Finish	out w Baseline (By Phase) 13-Jan-17 14:20 - Page No. 2
ID.	Activity Name	Original Duration	Start	FIIIISII	Q1 Q2 Q3 Q4 Q1
SD41380	Rehab Grit #1 (Screen #1) and Grit #2 (Screens #1)	366	15-Nov-18	15-Nov-19	Rehab Grit #1 (Screen #1) and Grit #2 (Screehs #1)
SD10460	Substantial Completion (CD Compliance Date 2/23/20) - SD Headworks	0		15-Nov-19*	◆ Şubstantial Completion (ÇD Compliance Date 2/23/20) -SD Headworks
SD40000	Project Closeout - SD Headworks	90	16-Nov-19	13-Feb-20*	Project Closeout - SD Headworks
SD41970	EPA Compliance Date for Construction - SD Headworks	0		23-Feb-20*	
Project Administration		1746	02-Feb-15 A	13-Feb-20	▼ 13-Feb-20, Project Administration
SD35000	WASD Project Administration - SD Headworks	1746	02-Feb-15 A	13-Feb-20	WASD Project Administration - SD Headworks. ▼ 08-Dec-19, 1.02 Oxygen Production
02 Oxygen Prod	luction	1848	17-Nov-14 A	08-Dec-19	
Pre-Design	Pre-Design - SD Oxygen Production	715		21-Nov-16 A	21-Nov-16 A, Pre-Design
SD11232 SD42420	,,,	143 476	17-Nov-14 A	08-Apr-15 A	Dxygen Production
	Negotiations for ESDC & Storwater Permit - SD Oxygen Production	-		21-Nov-16 A	Negatiations for ESD.C. & Storwater Permit - SD Oxygen Production 29-May-16 A Engineering Design
Engineering Design SD42960	EPA Start Date for Engineering Design - SD Oxygen Production	515	01-Jan-15 A 01-Jan-15 A	29-May-16 A	
SD20180	Basis of Design Report (BODR) - SD Oxygen Production	94	09-Apr-15 A	11-Jul-15 A	leering Design - SD Oxygen Production
SD20190	BODR Review Period - SD Oxygen Production	14	12-Jul-15 A	25-Jul-15 A	esign Report (BODR) - SD Oxygen Production
SD20200	30% Design Submittal - SD Oxygen Production	16	26-Jul-15 A	10-Aug-15 A	view Period - SD Oxygen Production
SD20210	30% Design Review - SD Oxygen Production	7	11-Aug-15 A	17-Aug-15 A	sign Şubmittal - SD Oxygen Production
SD20210	60% Design Neview - 3D Oxygen Production	49	18-Aug-15 A	05-Oct-15 A	sign Review - SD /Oxygen Production
SD30990	Develop Equipment Pre-Purchase Package - SD Oxygen Production	7	29-Sep-15 A	05-Oct-15 A	Design Submittat - SD Oxygen Production
SD20230	60% Design Review - SD Oxygen Production	9	05-Oct-15 A	13-Oct-15 A	elop Equipment Pre-Purchase Package - SD Oxygen Production
SD20230	100% Design Neview - 3D Oxygen Production	55	14-Oct-15 A	07-Dec-15 A	Design Review -SD Oxygen Production
SD10050	Engineering Design - SD Oxygen Production	305	09-Apr-15 A	07-Feb-16 A	100% Design Submittal SD Oxygen Production Engineering Design - SD Oxygen Production
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	00 200 1071	29-May-16 A	100% Design Review/Permit Ready Submittal - SD/Oxygen Production
Permitting	ETA Compliance Bate for Engineering Beergin CD Caygett Todaction	418	08-Feb-16 A	31-Mar-17	◆ EPA Compliance Date for Engineering Design - SD Oxygen Production.
SD42970	EPA Start Date for Permitting - SD Oxygen Production	0	30-May-16 A	31-1/101-17	
SD10090	Permitting - SD Oxygen Production	387	08-Feb-16 A	28-Feb-17	◆ EPA Start Date for Permitting - SD Oxygen Production Permitting - SD Oxygen Production
SD41810	RER Derm Permit - SD Oxygen Production	387	08-Feb-16 A	28-Feb-17	
SD42890	Building Dept. Permit - SD Oxygen Production	387	08-Feb-16 A	28-Feb-17	RER Derm Permit - SD Oxygen Production
SD41820	Stomwater Permit - SD Oxygen Production	120	22-Nov-16 A	28-Feb-17	Building Dept. Permit - SD Oxygen Production
SD41990	EPA Compliance Date for Permitting - SD Oxygen Production	0	22-110V-10 A	31-Mar-17*	Stormwater Permiti-SD Oxygen Production
Procurement	ELA compliance bate for climaing - ob exygen reduction	970	09-Sep-16 A	14-Apr-19	
SD42980	EPA Start Date for Procurement - SD Oxygen Production	0	26-Nov-16 A	14-Api-18	
SD30140	Design Documents sent to Procurement - SD Oxygen Production	0	28-Nov-16 A		PA Start Date for Procurement:-SD Øxygen Production
SD30150	Submit/Approve SBD Goals and Request to Advertise - SD Oxygen Production	30	28-Nov-16 A	22-Jan-17	◆ Design Documents sent to Procurement - SD Oxygen Production
SD30160	Advertise Bid Packages - SD Oxygen Production	0	23-Jan-17	22 00	Submit/Approve SBD Goals and Request to Advertise - SD Oxygen Production
SD31160	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen Production	42	09-Sep-16 A	23-Jan-17	◆ Advertise Bid Packages - SD Oxygen Production
SD31170	Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production	0	24-Jan-17	20 0011 17	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen Production
SD30170	Bid Solicitation Period - SD Oxygen Production	45	23-Jan-17	08-Mar-17	◆ Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen Production
SD30180	Bids Due - SD Oxygen Production	0	09-Mar-17	OO WAA 17	Bid Splicitation Period - SD Oxygen Production
SD30190	Bid Review Period - SD Oxygen Production	19	09-Mar-17	27-Mar-17	
SD30200	Award Recommendation - SD Oxygen Production	0		Zi Wai II	Bid Review Period - SD Oxygen Production
SD31110	Pre-Purchase Bid Package (RTU) - SD Oxygen Production	65	06-Feb-17*	11-Apr-17	◆ Award Recommendation - SD Oxygen Production
SD41250	Pre-Purchase Bid Package (Control Panels) - SD Oxygen Production	65	06-Feb-17*	11-Apr-17	Prei-Purchase Bid Package (RTU) -SD Oxygen Production
SD31180		90		· ·	Pre-Purchase Bid Package (Control Panels) - SD Oxygen Production
	Vendor Bid & Award (Air Compressors) - SD Oxygen Production	_	24-Jan-17	23-Apr-17	Vendor Bid & Award (Air Compressors)- SD Oxygen Production
SD31190	Vendor NTP (Air Compressors) - SD Oxygen Production	0	24-Apr-17	14 Mov 17	
SD10160	Procurement - SD Oxygen Production Final Americal (PCC Mayor Biola Mant.) SD Oxygen Production	165	28-Nov-16 A	14-May-17	Procurement - SD Øxygen Production
SD30210	Final Approvals (BC C, Mayor, Risk Mgmt.) - SD Oxygen Production	48	28-Mar-17	14-May-17	Final Approvals (BCIC, Mayor, Risk Mgmt.) - \$D Oxygen Production
SD31130	Vendor Bid & Award (RTU) - SD Oxygen Production	120	12-Apr-17	09-Aug-17	Vendor Bid & Award (RTU) - SD Oxygen Production
SD41280	Vendor Bid & Award (Control Panels)- SD Oxygen Production	120	12-Apr-17	09-Aug-17	Vendor Bid & Award (Control Panels)- SD Oxygen Production
SD31140	VendorNTP (RTU) -SD Oxygen Production	0	10-Aug-17		VendorNTP (RTU)-SD Oxvaen Production
SD41290	Vendor NTP (Control Panels) - SD Oxygen Production	0	10-Aug-17	20 4: 4=*	◆ VendorNTP (Control Panels) - SD Oxygen Production
SD42000	EPA Compliance Date for Procurement - SD Oxygen Production	0	06 5-1- 17	22-Aug-17*	■ EPA Compliance Date for Procurement - SD Oxygen Production
SD30980	Pre-Purchase RTU (Summary) - SD Oxygen Production	407	06-Feb-17	19-Mar-18	Pre-Purchase RTU (Summary) - SD Oxygen Production
SD41260	Pre-Purchase Control Panels (Summary) - SD Oxygen Production	407	06-Feb-17	19-Mar-18	Pre-Purchase Control Panels (Summary) - SD Oxygen Production
SD31150	Fabricate & Deliver RTU - SD Oxygen Production	222	10-Aug-17	19-Mar-18	Fabricate & Deliver RTU - SD Oxygen Production
SD41300	Fabricate & Deliver Control Panels - SD Oxygen Production	222	10-Aug-17	19-Mar-18	Fabricate & Deliver Control Panels - SD Oxygen Production
SD31200	Fabricate & Deliver Air Compressor No. 4 - SD Oxygen Production	426	24-Apr-17	23-Jun-18	Fabricate & Deliver Air Compressor No. 4 - SD Oxygen Production
SD30000	Pre-Purchase Air Compressors (Summary) - SD Oxygen Production	842	09-Sep-16 A	14-Apr-19	Pre-Purchase Air Compressprs (Summary) - SD Oxygen Production
SD41580	Refurbish & Deliver Air Compressor No. 3 -SD Oxygen Production	292	27-Jun-18	14-Apr-19	Refurbish & Deliver Air Compressor No. 3 - SD Oxygen. Production. ▼ 08-Dec-19, Construction.
Construction	Install Nov. Ollawates Occupates MANON	1336	12-Apr-16 A	08-Dec-19	▼ :08-Dec-19, Construction:
SD41590	Install New Oil/Water Separator (WASD)	43	12-Apr-16 A	24-May-16 A	Install New Oil/Water Separator (WASD)
SD30220	Contractor NTP - SD Oxygen Production	0	15-May-17		◆ Contractor NTP - SD Oxygen Production
SD42990	EPA Start Date for Construction - SD Oxygen Production	0	23-Aug-17*		◆ EPA Start Date for Construction - SD Oxygen Production
SD41530	Construct New Electrical Building	412	15-May-17	30-Jun-18	Construct New Electrical Building
SD41830	Install Instrumentation and Controls	60	20-May-18	18-Jul-18	Install Instrumentation and Controls
SD41540	Install & Test Compressor No. 4	148	24-Jun-18	18-Nov-18	Install & Test Compressor No. 4

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y ID	Activity Name	Original Duration	Start	Finish		2016	M 01 I	2017	04 01 0	2018	04 01	2019	1 04	2020 Q1 Q2 C	3 04 01	20:		01	2022		01	2023	
SD10260	Construction - SD Oxygen Production	848	15-May-17	09-Sep-19	Q1 Q	2 43 4	4 01 1	Q2 Q3	Q4 Q1 C	JZ U3	Q4 Q1	QZ Q3		uction - SD Ox			Q3 Q4	T Q1	QZ C	13 Q4	T Q1	QZ Q	3 Q4
SD41550	Install & Test Compressor No. 3	148	15-Apr-19	09-Sep-19	1																1 1		
SD10440	Substantial Completion (CD Compliance Date 9/13/19) - SD Oxygen Production	0	107.61.10	09-Sep-19*	1								- 1	& Test Compre	1 1								
SD42010	EPA Compliance Date for Construction - SD Oxygen Production	0		13-Sep-19*	1			-				1 1	1 1	ıntial Completi	1 1	- : :		- : :	: :	roduction	n		
SD41560	Decommission Compressors No. 1 and No. 2	60	10-Sep-19	08-Nov-19	1							1 1	1 1	ompliance Da	1 1	i i	- 1	roductic	on :		1 1	. !	
SD40010	Project Closeout - SD Oxygen Production	90	10-Sep-19	08-Dec-19*	-									commission (1 1		
Project Administration		1701	09-Apr-15 A	08-Dec-19	ļ						<u>. </u>	<u></u>		Project Closeo 8-Dec-19, Pro	ut:SD Oxyger ect Administra	n Produc ati on	tion				-++		
SD35010	WASD Project Administration - SD Oxygen Production	1701	09-Apr-15 A	08-Dec-19									1 1				1				1 1		
.03 Oxygenation		3941	02-Feb-15 A	16-Nov-25									V	NASD Project.		_	kygen Prodi	uction					
	Trains	1673	17-Jan-17	16-Aug-21							·	ļ					16-Au	a-21. Er	gineering	a Desiar	n		
Engineering De sign SD43000	EPA Start Date for Engineering Design - SD Oxygenation Trains	1073	31-Mar-17*	10-Aug-21	1		ľ											3		, - , - , - ,			
SD42020	EPA Compliance Date for Engineering Design - SD Oxygenation Trains	0	31-Wal-17	17-Jul-17*	-		•	i i	ate for Engine	i	i i	i i	i i				-				1 1		
SD42020	Engineering Design - SD Oxygenation Trains	1673	17-Jan-17	16-Aug-21	-		-	■ EPA	Compliance I	Date for E	Engin eering [Design - SD (Oxygena	tion Trains			1	1. 1		-	11	!	
	Engineering Design - 3D Oxygenation nams										20-0	Dec-18, Perm	nittina				Engin	eering L	esign - S	3D Oxyge	enation 1	irains	
Permitting SD43010	EPA Start Date for Permitting - SD Oxygenation Trains	521	18-Jul-17 18-Jul-17*	20-Dec-18													- 1	- 1			1 1		
		-	10-341-17	47 1.1 40*	-			♦ EP/	Start Date for	r Permittir	ng - SD Oxyg	enation Train	าร					- 1				. !	
SD42030	EPA Compliance Date for Permitting - SD Oxygenation Trains	0	04 1 40	17-Jul-18*	-					♠ EF				g - SD Oxygen	ation Trains			1			1 1		
SD41690	Permitting - SD Oxygenation Trains	180	24-Jun-18	20-Dec-18							Per	nitting - SD (Oxygena	tion Trains			<u></u>	14 Nov	21. Proci	urom ont			
Procurement	EDM 01 (D) (D) (D) (T)	1738	11-Feb-17	14-Nov-21			V				1 1	1 1	1 1			-		14-1100	21, FIDU	Heilieur	1 1		
SD43020	EPA Start Date for Procurement - SD Oxygenation Trains	0	18-Jul-18*	47 1 40*	-					♦ EF	PA Start Date	for Procuren	ment - SE	Oxygenation	Trains		1	; ;			1 1	. !	
SD42040	EPA Compliance Date for Procurement - SD Oxygenation Trains	0		17-Jul-19*	-						1 1	♦ EF	PA Comp	oliance Date fo	r Procurement	SD O					1 1		
SD41700	Procurement - SD Oxygenation Trains	1738	11-Feb-17	14-Nov-21	<u> </u>	<u> </u>												Procure	ment - SI	D Oxyge	enation Tr	rains ;	
Construction	[FDL01 + D + 4 0 4 5 0 0 0 5 7	3941	02-Feb-15 A	16-Nov-25			- 1				1							1					
SD43030	EPA Start Date for Construction - SD Oxygenation Trains	0	18-Jul-19*		-							♦ EF	PA Start [Date for Const	uction - SD Ox	xygenati	on Trains						
SD41680	Construction - SD Oxygenation Trains	2602	02-Feb-15 A	18-Mar-22												+		-			1 1		
SD41730	Substantial Completion (CD Compliance Date 11/16/25) - SD Oxygenation Trains	0		18-Mar-22*													į	•	Substan	ntial Con	npletion	(CD Com	ıpliance
SD42050	EPA Compliance Date for Construction - SD Oxygenation Trains	0		16-Nov-25*	1								. ! ! .					.] !	<u> </u>		.11		
.03 (1) - Oxygena	ition Trains Structural Rehab	2692	02-Feb-15 A	16-Jun-22																3-Jun-22	., 1.03 (1)) - Oxyger	nation Tr
Pre-Design		1752	31-Aug-16 A	17-Jun-21		V	-	1 1		!	1 1	!	1 1	1 1	1 1		17-Jun-21	, Pre-De	sign		T		
SD42500	Pre-Design Train 4 - SD Oxygenation Trains Struct. Rehab	93	31-Aug-16 A	16-Jan-17			Pre-C	Desian Train	4 - SD Oxyge	nation Tra	ains Struct. F	Rehab						- 1			1 1	. !	
SD42480	Pre-Design Train 5 - SD Oxygenation Trains Struct. Rehab	120	18-Feb-17*	17-Jun-17			1	7 1	sign Train 5 -	j.	1 1	1 1	hah				1				1 1		
SD42450	Pre-Design Train 7 - SD Oxygenation Trains Struct. Rehab	120	18-Feb-18*	17-Jun-18					1 1	- 1	1 1	1 1		Trains Struct. F	Pehah		1	- 1			- 1		1
SD42490	Pre-Design Train 6 - SD Oxygenation Trains Struct. Rehab	120	18-Feb-19*	17-Jun-19							Design nam	1 1 17	1.	rain 6 - SD:Ox	1 1	na Struc	. Dobob	- 1					
SD42510	Pre-Design Train 3 - SD Oxygenation Trains Struct. Rehab	120	19-Feb-20*	17-Jun-20	1						-	FIE-	-Design; i	i i		- 1	i	and Tracin	Ctmidt F	Dablah	1 1	.	
SD42520	Pre-Design Train 2 - SD Oxygenation Trains Struct. Rehab	120	18-Feb-21*	17-Jun-21											e-Design Train						1-1		
Engineering Design	7,0000000000000000000000000000000000000	1673	17-Jan-17	16-Aug-21	l		···										Pre-Desig	n, Irain : g-21, Er	gineering	g Desigr	on Irains n	. Struct. F	enan
SD42550	Engineering Design Train 4 - SD Oxygenation Trains Struct. Rehab	25	17-Jan-17	10-Feb-17						00	1	Ot						- 1			1 1		
SD42530	Engineering Design Train 5 - SD Oxygeration Trains Struct. Rehab	60	18-Jun-17	16-Aug-17	1		□ Enc	i i	sign Train 4 -	i	i i	i i	i i					- 1					
SD42460	Engineering Design Train 7 - SD Oxygenation Trains Struct. Rehab	60	18-Jun-18	16-Aug-18	1				aineerina Des		1 1	1 1	1 1	1 1							1 1		
SD42540	Engineering Design Train 6 - SD Oxygeration Trains Struct. Rehab	60	18-Jun-19	16-Aug-19	-					-	Engineering	1 11	i i	Dxygenation Tr	i i	i i							
SD42560	Engineering Design Train 3 - SD Oxygenation Trains Struct. Rehab	60	18-Jun-20	16-Aug-20	-								Enginee	ring Design Tr	i i	i i	i	i i	i i	į	1 1		
SD41660	Engineering Design - SD Oxygenation Trains Struct. Rehab	1673	17-Jan-17	16-Aug-21	-		-	<u> </u>						_	Engineering	Design							
					-												Engin	eering L	esign - S	SD Oxyge	enation	irains; Str	uct. Ren
SD42570	Engineering Design Train 2 - SD Oxygenation Trains Struct. Rehab	60	18-Jun-21	16-Aug-21			<u>i</u> -	i		i	<u>.ii</u>	.ii	<u>.ii.</u>	<u>ii</u> .	<u>ii</u>	_ji	Engin	eering.	esign Tr	ain_2S!	D Oxyge	nation. Tr	ains Str
Procurement	Description of Train 4, OD Oursessifier Trains Object Balance	1738	11-Feb-17	14-Nov-21	-		V											IA-INOV	21, FIDCO	Heinent	1 1		
SD42600	Procurement Train 4 - SD Oxygenation Trains Struct. Rehab	49	11-Feb-17	31-Mar-17	-			Procureme	nt Train 4 - SD	Oxygena	tion Trains S	truct. Rehab					į				1 1		
SD42580	Procurement Train 5 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-17	14-Nov-17	-				Procurem	ent Train	5 - SD Oxyge	nation Trains	Struct.	Rehab			-	- 1			- 1		
SD42470	Procurement Train 7 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-18	14-Nov-18							Procur	ement Train	7 - SD D	xyge hation Tra	ins Struct. Rel	hab		- 1					
SD42590	Procurement Train 6 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-19	14-Nov-19									i Pro	ocurement Tra	n 6 - SD Oxyge	e nation	Trains Struc	ct. Reha	b		1 1	.	
SD42610	Procurement Train 3 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-20	14-Nov-20											Procu	rem ent	Γrain 3-SD	Oxvae	nation Tra	ains Stru	ıct. Rehê	ab	
SD41670	Procurement - SD Oxygenation Trains Struct. Rehab	1738	11-Feb-17	14-Nov-21									<u> </u>									rains Stru	ıc t. Reh r
SD42620	Procurement Train 2 - SD Oxygenation Trains Struct. Rehab	90	17-Aug-21	14-Nov-21	1							ļl						Procure	ment Tra	ain. 2 SΓ	Oxyger	nation Tre	ins Str
Construction		2692	02-Feb-15 A	16-Jun-22						-								-	16	3-Jun-22	., Constri	nation Trai uction	
SD10630	Construction Train 1 - SD Oxygenation Trains Struct. Rehab	341	02-Feb-15 A	08-Jan-16 A														1			1 1		
SD10550	Construction Train 4 - SD Oxygenation Trains Struct. Rehab	92	01-Apr-17	01-Jul-17														Constr	ction Tra	ain 4¦-SC	Oxyger	nation Tra	ins Stru
SD10420	Construction Train 5 - SD Oxygenation Trains Struct. Rehab	123	15-Nov-17	17-Mar-18									Ç	onstruction Tra	in 5 - SD Oxyg	enation	Trains Stru	ct. Reh	ab		- 1		
SD10640	Construction Train 7 - SD Oxygenation Trains Struct. Rehab	123	15-Nov-18	17-Mar-19													!	-					
SD10490	Construction Train 6 - SD Oxygenation Trains Struct. Rehab	123	15-Nov-19	16-Mar-20	1								1 🚢		Const	truction	Train 6 - SD) Oxyge	hation:Tra	ains Stru	ıct. Reha	ab :	- 1
SD10590	Construction Train 3 - SD Oxygenation Trains Struct. Rehab	124	15-Nov-20	18-Mar-21	1									_					-	_	1 1	uction Trai	in 3⊤S⊏
SD10413	Construction - SD Oxygenation Trains Struct. Rehab	2602	02-Feb-15 A	18-Mar-22					i !		1 1									\rightarrow	+		
SD10620	Construction Train 2 - SD Oxygenation Trains Struct. Rehab	124	15-Nov-21	18-Mar-22*				1													1 1		
SD42850	Project Closeout - SD Oxygenation Trains Struct. Rehab	90	19-Mar-22	16-Jun-22*	1												-				. 1	05.5	
Project Administration		2602	02-Feb-15 A	18-Mar-22		<u></u>					<u></u>	<u> </u>	-ii-	<u>ii</u>		<u> </u>		ياد د باد	18-Mar-2	roject Cla 22, Proie	_oseout ect Admi	SD Oxyg	enation
SD35020	WASD Project Administration - SD Oxygenation Trains Struct. Rehab	2602	02-Feb-15 A 02-Feb-15 A	18-Mar-22													-				- 1		
	· · · · · · · · · · · · · · · · · · ·	2108	11-Mar-16 A	17-Dec-21						-			 .					▼. 17-D	WASD 6	Project A	administr Oxygenat	ration - SI ion Trains	J.Oxyge
. ,	tion Trains - Electrical Building Expansion					<u></u>		▼ 30-Anr-1	, Pre-Design		- -	·}}								-			
Pre-Design	Pre Decign SD Overgenation Trains Floatrical Building Eventsian	232	11-Mar-16 A	30-Apr-17	'				· 1		1 1						į			i	1 1	i	
SD20250	Pre-Design - SD Oxygenation Trains Electrical Building Expansion	232	11-Mar-16 A	30-Apr-17	ļ -			L Pre-Desi	ın - SD Oxygei	nation Tra	ins Electrica	l Building E	xpansion	١							44		
Engineering Design	Pagin of Design Pagent (PODD) CD On manation Floating I Publish Fire-	419	01-May-17	23-Jun-18			'	•		₹ 23~	, un-10, Engli	icemig Desig	9""					;					
SD20270	Basis of Design Report (BODR) - SD Oxygenation Electrical Building Expansion	60	01-May-17	29-Jun-17	1			Basis	of Design Re	eport (BOI	DR) - SD Oxy	denation Ele	ectrical B	uilding Expans	ion		İ	;		1	- 1	İ	1
SD20280	BODR Review Period - SD Oxygenation Trains Electrical Building Expansion	14	30-Jun-17	13-Jul-17					R Review Per							. i					- i		

	cree Schedule - December 2016 Update	Original			out w Baseline (By	,	2044	2	2020	2021		1-17 14:20 -	•
y ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3 Q4	2017 2018 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	Q1 Q2		2020 Q1 Q2 Q3 Q4 Q1		2022 2 Q3 Q4	2023 Q1 Q2 0	
SD20290	30% Design Submittal - SD Oxygenation Trains Electrical Building Expansion	95	14-Jul-17	16-Oct-17		30% Design Submittal - SD					1 1 1 1	+	
SD20300	30% Design Review - SD Oxygenation Trains Electrical Building Expansion	14	17-Oct-17	30-Oct-17	1	30% Design Review - SD	1 1 1	1 1	1 1 1 1				
SD20310	60% Design Submittal - SD Oxygenation Trains Electrical Building Expansion	105	31-Oct-17	12-Feb-18			i i i	i i	ns Electrical Building Expansion	n in			
SD20320	60% Design Review - SD Oxygenation Trains Electrical Building Expansion	21	13-Feb-18	05-Mar-18			: : :	1 1	s Electrical Building Expansion	! ! ! ! !			
SD20330	100% Design Submittal - SD Oxygenation Trains Electrical Building Expansion	80	06-Mar-18	24-May-18			1 1 1	1 1	ion Trains Electrical Building E				
SD10190	Engineering Design - SD Oxygenation Trains Electrical Building Expansion	419	01-May-17	23-Jun-18		Engineerin	ig Design - SD	Oxygenation	n Train's Electrical Building Ex	pansion			
SD40130	100% Design Permit Review/Permit Ready Submittal - SD Oxygenation Trains Electrical Building Expansion	30	25-May-18	23-Jun-18			ian Permit Rey	iew/Permit	Ready Submittal - SD Oxygena	ation Trains Electrical Buildin	g Expansion .		
Permitting SD10250	Permitting - SD Oxygenation Trains Electrical Building Expansion	180 180	24-Jun-18 24-Jun-18	20-Dec-18 20-Dec-18			20 200 .0,.						
	Permitting - 3D Oxygenation liams Electrical building Expansion	273	21-Dec-18	19-Sep-19	 		Permitting - S		tion Trains Electrical Building p-19, Procurement	Expansion			
Procurement SD43420	Internal Bid Package Review - SD Oxygenation Trains Electrical Building Expansion	3	21-Dec-18 21-Dec-18	23-Dec-18	-			1 1					
SD30410	Design Documents Sent to Procurement - SD Oxygenation Trains Electrical Building Expansion	0	24-Dec-18		1			1 - 1	view - SD Oxygenation Trains	! ! ! -! !	1 1		
SD30420	Submit/Approve SBD Goals and Request to Advertise - SD Oxygenation Trains Electrical Building Expansion	60	24-Dec-18	21-Feb-19	1			1 1	t to Procurement - SD Oxygena O Goals and Request to Advert			Idina Evanoida	
SD30430	Advertise Bid Package - SD Oxygenation Trains Electrical Building Expansion	0	22-Feb-19		1		1 1 1		ge - SD Oxygenation Trains El		Electrical Build	uing Expansion	
SD30440	Bid Solicitation Period - SD Oxygenation Trains Electrical Building Expansion	60	22-Feb-19	22-Apr-19	1		1 1 1	1 1	Period - SD Oxygenation Trains		on!		
SD30450	Bids Due - SD Oxygenation Trains ⊟ ectrical Building Expansion	0	23-Apr-19		1		i i i	i i	Dxygehation Trains Electrical B	i i i i i	JII.		
SD30460	Bid Review Period - SD Oxygenation Trains Electrical Building Expansion	30	23-Apr-19	22-May-19	7		1 1 1	1 1	eriod + SD Oxygenation Trains I	. T			
SD30470	Award Recommendation - SD Oxygenation Trains Electrical Building Expansion	0		22-May-19			1 1 1	1 1	mendation - SD Oxygenation		i i		
SD10330	Procurement - SD Oxygenation Trains Electrical Building Expansion	273	21-Dec-18	19-Sep-19					rement - SD Oxygenation Train				
SD30480	Final Approvals (BC C, Mayor, Risk Mgmt.) - SD Oxygenation Trains Electrical Building Expansion	120	23-May-19	19-Sep-19	1		ļļ. 📥	Final A	Approvals (BCC, Mayor, Risk M	(lgmt.) - SD Oxygenation Train	ns Electrical E	Building Expans	ion
Construction		820	20-Sep-19	17-Dec-21				V		17-Dec-2	1, Construction	วท	
SD20258	Contractor Notice to Proceed (NTP) - SD Oxygenation Trains Electrical Building Expansion	0	20-Sep-19	10 =	-			◆ Contra	actor Notice to Proceed (NTP)	SD Oxygenation Trains Elec	tri¢al Bu¦lding	1 Expansion	
SD20260	Construction of Building and Electrical Upgrades - SD Oxygenation Trains Electrical Building Expansion	730	20-Sep-19	18-Sep-21	-					Construction of	Building and	d Electrical Uppr	ades - SD Ox
SD10650	Substantial Completion (CD Compliance Date 11/16/25) - SD Oxygenation Trains Electrical Building Expansion	0	10.0	18-Sep-21*	-					◆ Substantial Co	mpletion (CD	Compliance Da	ate 11/16/25)
SD40020	Project Closeout - SD Oxygenation Trains Electrical Building Expansion	90	19-Sep-21	17-Dec-21*						Project C	loseout - SD	Oxygenation Tra	ains Electrica
Project Administration SD35030	WASD Project Administration - SD Oxygenation Trains Electrical Building Expansion	1692 1692	01-May-17 01-May-17	17-Dec-21 17-Dec-21	-								
	ntion Trains Mixer Upgrades	2217	22-Feb-16 A	18-Mar-22						WASD P	roject Adminis Mar-22, 1.03	istration - SD Ox (3) - Oxygenation	ygenation Tra n Trains Mixe
Construction	audit frams wiker Opgrades	2217	22-Feb-16 A	18-Mar-22							Mar-22, Cons		
SD41450	Construction Train 7 - SD Oxygenation Trains Mixer Upgrade	238	22-Feb-16 A	01-Jul-16 A									
SD41420	Construction Train 4 - SD Oxygenation Trains Mixer Upgrade	92	01-Apr-17	01-Jul-17	1					Construction	n Train 4 - SD	; ; ; D 'Oxyge'nation' Ti	rains Mixed II
SD41430	Construction Train 5 - SD Oxygenation Trains Mixer Upgrade	123	15-Nov-17	17-Mar-18	1			<u> </u>	onstruction Train 5 - SD Oxyge	! ! ! ! !		ex, year and a	
SD41390	Construction Train 1 - SD Oxygenation Trains Mixer Upgrade	124	15-Nov-18	18-Mar-19	1				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
SD41440	Construction Train 6 - SD Oxygenation Trains Mixer Upgrade	123	15-Nov-19	16-Mar-20	1	-			Constru	action Train 6 - SD Oxygenation	on:Trains Mixe	er Upgrade	
SD41410	Construction Train 3 - SD Oxygenation Trains Mixer Upgrade	123	15-Nov-20	17-Mar-21				- 1 -				Construction Tr	rain 3 - SD Ox
SD43400	Construction - SD Oxygenation Trains Mixer Upgrade	17	22-Feb-16 A	18-Mar-22			1 1					+	
SD41400	Construction Train 2 - SD Oxygenation Trains Mixer Upgrade	124	15-Nov-21	18-Mar-22*								.i. i. i•	Cor
.04 Chlorine Buil	lding	1929	19-Feb-17	01-Jun-22		Y					▼ 01-Jun-22,	1.04 Chlorine E	Building
Pre-Design		180	19-Feb-17	17-Aug-17		▼ 17-Aug-17, Pre-Design							
SD11162	Pre-Design - SD Chlorine Building	180	19-Feb-17*	17-Aug-17		Pre-Design - SD Chlorine Build	ng						
Engineering Design		601	18-Aug-17	10-Apr-19		V I I I I I I I I I I I I I I I I I I I	10-Ap	or-19 Engine	eering Design				
SD20340	Basis of Design Report (BODR) - SD Chlorine Building	60	18-Aug-17	16-Oct-17		Basis of Design Report (BC	DR) - SD Chlo	rine Building	1				
SD20350	BODR Review Period - SD Chlorine Building	14	17-Oct-17	30-Oct-17	-	BODR Review Period - SD	Chlorine Build	ling					
SD20360	30% Design Submittal - SD Chlorine Building	90	31-Oct-17	28-Jan-18	-	30% Design Submit	: : :	1 11					
SD20370	30% Design Review - SD Chlorine Building	14	29-Jan-18	11-Feb-18	-	☐ 30% Design Revie	v - SD Chlorine	Building					
SD20380	60% Design Submittal - SD Chlorine Building	100	12-Feb-18	22-May-18	-	60% Design	Submittal - \$D	Chlorine B	uilding				
SD20390 SD20400	60% Design Review - SD Chlorine Building 100% Design Submittal - SD Chlorine Building	14 80	23-May-18 06-Jun-18	05-Jun-18 24-Aug-18	1	□ 60% Desig	1 1 1	1 1	7 1 1 1				
SD10350	Engineering Design - SD Chlorine Building	402	18-Aug-17	23-Sep-18	1	100%			lorine Building ign - \$D Chlorine Building				
SD40140	100% Design Review/Permit Ready Submittal - SD Chlorine Building	30	25-Aug-18	23-Sep-18	1		1 1 7	17 1					
SD43040	EPA Start Date for Engineering Design - SD Chlorine Building	0	01-Dec-18*	_5 cop 10	1		1 1 1	1 1	Ready Submittal - SD Chlorine				
SD42060	EPA Compliance Date for Engineering Design - SD Chlorine Building	0		10-Apr-19*	1	•	1 1 1	1 1	ering Design - SD Chlorine Bui				
Permitting	, 5 5 5 5	564	24-Sep-18	09-Apr-20	 	 	♥.EPA.	compliance	Date for Engineering Design - 09-Apr-20, Permitting	an Chionne Building			
SD43050	EPA Start Date for Permitting - SD Chlorine Building	0	11-Apr-19*		7		▲ EDA	Start Date fo	or Permitting - SD Chlorine Buil	lding			
SD10380	Permitting - SD Chlorine Building	270	24-Sep-18	20-Jun-19	7		EFA	; ;	Permitting - SD Chlori				
SD42070	EPA Compliance Date for Permitting - SD Chlorine Building	0		09-Apr-20*					► EPA Combliance Date	for Permitting - SD Chlorine	Building:		
Procurement		659	21-Jun-19	09-Apr-21			—	1 1		for Permitting - SD Chlorine 09-Apr-21, Procurement			
SD43430	Internal Bid Package Review - SD Chlorine Building	3	21-Jun-19	23-Jun-19	_		i i	Internal Bid	Package Review - SD Chloring	e Building			
SD30490	Design Documents Sent to Procurement - SD Chlorine Building	0	24-Jun-19				1 1 1	1 1	uments Sent to Procurement -				
SD30500	Submit/Approve SBD Goals and Request to Advertise - SD Chlorine Building	60	24-Jun-19	22-Aug-19	_		1 1 1	i i	Approve SBD Goals and Requ	i i i i i	Building		
SD30510	Advertise Bid Package - SD Chlorine Building	0	23-Aug-19					1 1	e Bid Package - SD Chlorine I	! ! ! ! !			
SD30520	Bid Solicitation Period - SD Chlorine Building	60	23-Aug-19	21-Oct-19				i i	Solicitation Period - SD Chlori	i 17 i i i			
SD30530	Bids Due - SD Chlorine Building	0	22-Oct-19		_			- 1	s Due - SD Chlorine Building				
SD30540	Bid Review Period - SD Chlorine Building	30	22-Oct-19	20-Nov-19				1 1	id Review Period - SD Chlorine	Building			
SD30550	Award Recommendation - SD Chlorine Building	0		20-Nov-19				i i	ward Recommendation - SD C				
SD10470	Procurement - SD Chlorine Building - SD Chlorine Building	270	24-Jun-19	19-Mar-20	_					Procurement - SD Chlorine	e Building - SI	D Chlorine Build	ding
SD30560	Final Approvals (BC C, Mayor, Risk Mgmt.) - SD Chlorine Building	120	21-Nov-19	19-Mar-20					Final Approvals (BCC. N	Mayor, Risk Mgmt.) - SD Chlo	rine Buildina		

	nedule - December 2016 Update	Original		Standard Lay	yout w Ba		. ,	Phas		047			2010			20-	10			2020		2024			Jan-17	14:20 -		
ivity ID Activit	ty Name	Original Duration	Start	Finish	Q1 C	2016 Q2 Q3		4 Q1		017 _{O3}	Q4	01 0	2018 02 Q	3 Q4	Q1	20 ⁻)4 ()		2020	Q4 (2021 Q1 Q2 Q3 Q4	4 01	2022 Q2 Q3	04 (202 01 Q2		Q1 (
SD42080 EPA C	Compliance Date for Procurement - SD Chlorine Building - SD Chlorine Building	0		09-Apr-21*			20 4			40	~.	~. ~	~	<u> </u>	1 ~.		40 0		. ~	40	Ψ							
Construction		804	20-Mar-20	01-Jun-22		1	· · · · ·		1	1 1									V.	1 1			ice Date.it	01-Jun	n-22, Cor	nstruction	Juliuliu Si	E-Critoin.
SD10518 Contra	actor Notice to Proceed (NTP) - SD Chlorine Building	0	20-Mar-20												-				◆ Co	ntractor No	lotice to	Proceed (NTP) - SD	Chlorine F	Building				
	Start Date for Construction - SD Chlorine Building - SD Chlorine Building	0	10-Apr-21*																			◆ EPA Start Date	e for Cons	truction - Si	D Chlorin	ne Building	- SD Chlori	ine Build
	truction - SD Chlorine Building - SD Chlorine Building	418	20-Mar-20	11-May-21							!			- 1	-				Ė					Const	ruction -	SD Chlorine	e Building -	SD Chlo
	tantial Completion (CD Compliance Date 6/01/22) - SD Chlorine Building	0		11-May-21*							į			İ								◆ Substantial (Completic	on (CD Con	npliance	Date 6/01/	22) - SD Ch	norine Bı
	ct Closeout - SD Chlorine Building	90	12-May-21	09-Aug-21*							į			1	;						į	Projec						
	Compliance Date for Construction - SD Chlorine Building - SD Chlorine Building	0	40 4 47	01-Jun-22*					ļ							 							ia 21 Proi	. EPA C	om plian	ce Date for	Construction	on - SD C
Project Administration SD35040 WASE	D Project Administration - SD Chlorine Building	1453 1453	18-Aug-17 18-Aug-17	09-Aug-21 09-Aug-21						1 1					-							1 1 1	1 1	- : :	: :		1	
1.05 Effluent Pump Station	· · · · · · · · · · · · · · · · · · ·	3062	19-Nov-13 A	07-Apr-22	<u> </u>															+ +			3 Project A	Administrati 07-Apr-22	ion - SD , 1.05 Ef	Chlorine Bu	uilding p Station	++
Engineering Design		1475	19-Nov-13 A	17-Jun-19					<u> </u>								17-Jun-	19, Enc	gineerin	g Design								+
	Start Date for Engineering Design - SD Effluent Pump Station	0	01-Sep-16 A	17 0011 10			, EDA	A Start D		L			CD E	ant Di	in Cta	1					į					1 1		
SD42100 EPA C	Compliance Date for Engineering Design - SD Effluent Pump Station	0	-	10-Jul-17*		'	EFF	A Stait D	ale 101	1 1	- 1	- 1	- 1	- 1	- 1	: :	SD Efflu	ent Pu	mn Sta	idn	į							
SD10170 Engin	eering Design - SD Effluent Pump Station	1475	19-Nov-13 A	17-Jun-19	,		_		1		Compi	Tallice L	Jaig IOI	Ligine	ing D					SD Effluen	nt Pum	o Station						
Permitting		1695	19-Nov-13 A	15-Aug-18	,									15-Au	ig-18, Pe	emittir	ig :	¥		T]	1 1		T
SD43090 EPA S	Start Date for Permitting - SD Effluent Pump Station	0	11-Jul-17*							♦ EPA	Start D	ate for F	Pemitt	ing - SE	: D Effluer	t Pum	p Station											
	Compliance Date for Permitting - SD Effluent Pump Station	0		10-Jul-18*						<u> </u>	į		 ♦ E							uent Pumi	np Statio	on .				- 1 1		
SD10240 Permi	itting - SD Effluent Pump Station	1655	19-Nov-13 A	15-Aug-18					!	1				Pem	itting - S		ent Pum											ļļ.
Procurement	0	1969	18-Feb-14 A	10-Jul-19													7 10-Jul	-19, Pro	ocurem :	ent								
	Start Date for Procurement - SD Effluent Pump Station	0	11-Jul-18*	45.1	\rightarrow								♦ E	PA Sta	nt Date f	or Proc				Pump Stat								
	rement - SD Effluent Pump Station	1834	18-Feb-14 A	15-May-19					+	+ +									1	fluent Pum								
	Compliance Date for Procurement - SD Effluent Pump Station	0	20 May 44 A	10-Jul-19*					÷	ļ	<u></u>						EPA.C	omplia	ance Da	te for Proc	cureme	nt - SD Effluent Pump	p Station	07-Anr-22	Constru	iction		
Construction SD43110 EPA S	Start Date for Construction - SD Effluent Pump Station	2880	20-May-14 A 11-Jul-19*	07-Apr-22	-						-			- 1		: :	1	- 1	- 1	- 1	1	1 1 1	1 1	01 7401 22	Conoud	.0		
	truction - SD Effluent Pump Station	2463	20-May-14 A	04-May-21	-	İ	i				į			İ	į		EPA S	tart Da	te for C	onstruction	on - SD I	Effluent Pump Station	n	Construct	ion CD	Effluent Pu	mn Station	
	tantial Completion (CD Compliance Date 4/07/22) - SD Effluent Pump Station	0	20 May 1477	04-May-21*					Ì					i							i			1 1		1 1		1 1
	Compliance Date for Construction - SD Effluent Pump Station	0		07-Apr-22*										1								◆ Substantial (Completio	n (CD Con	npliance	Date 4/07/2	22) - SD Eff	luent Pur
1.05 (1) Effluent Pump Station	·	2397	19-Nov-13 A	11-Jun-20					1	1 1										▼ 11-Jun-	-20, 1.0	5 (1) Effluent Pump S	Station We	twell Reha	puance 1	Date tor Cor	nstruction	SD Efflue
Pre-Design		1078	05-Jul-16 A	17-Jun-19												·	17-Jun-	19, Pre	-Design				-11-					1
SD42630 Pre-De	esign Wetwell #4 - Structural Rehab Wetwells	150	05-Jul-16 A	16-Jan-17			- 1	Pr	e-Desi	an Wet	well #4	- Struct	ural Re	hab W	etwells						į					-		
SD42640 Pre-De	esign Wetwell #1 - Structural Rehab Wetwells	120	17-Apr-18*	14-Aug-18	3			T]					1		etwell	#1 - Stru	: ctural F	: Rehab \	Vetwells								
SD42650 Pre-De	esign Wetwell #2 - Structural Rehab Wetwells	120	18-Feb-19*	17-Jun-19	,				1								,				ural Reh	nab Wetwells						
Engineering Design		942	17-Jan-17	16-Aug-19					1		!			1	!		16-4	Aug-19	, Engine	ering Des	sign							
	eering Design Wetwell #4 - Structural Rehab Wetwells	25	17-Jan-17	10-Feb-17				<u> </u>	Engine	ering D	esign V	/etwell	#4 - Sti	uctural	Rehab	Wetwe	lls									1 1		
	eering Design Wetwell #1 - Structural Rehab Wetwells	60	15-Aug-18	13-Oct-18					1	1	į			<u> </u> E	nģineeri	ng De				tural Reha								
	eering Design - Structural Rehab Wetwells	942	17-Jan-17	16-Aug-19					-					-	+		: `	' :	٠:	1: :	1	hab Wetwells						
	eering Design Wetwell #2 - Structural Rehab Wetwells	917	18-Jun-19 11-Feb-17	16-Aug-19 16-Aug-19				· · · · · · · · · · · · · · · · · · ·	<u></u>	<u> </u>					<u></u>	-	<u>Eng</u>	ineerin	ng Desi	n Wetwel	ell_#2 S	Structural Rehab Wet	wells		ļ			
Procurement SD42690 Procu	rement Wetwell #4 - Structural Rehab Wetwells	49	11-Feb-17 11-Feb-17	31-Mar-17				'_										lug .o.	,									
	rement Wetwell #1 - Structural Rehab Wetwells	90	14-Oct-18	11-Jan-19					Pro	cureme	ent Wetv	vell #4	- Struct	ural Re	hạb We	: :												
	rement - Structural Rehab Wetwells	917	11-Feb-17	16-Aug-19				_					_		Pro	curem				ural Rehab uctural Rel								
	rement Wetwell #2 - Structural Rehab Wetwells	90	19-May-19	16-Aug-19							-			-	-		_ ;	- 1	- 1	1 1	- 1	1 1 1						
Construction		1943	16-Feb-15 A	11-Jun-20	, 	·			<u> </u>	! !		<u> </u>	!					:	: :	Weil #2 3 3 ▼: 11-Jun-2	-20, Coi	al Rehab Wetwells nstruction			11			1
SD30020 Struct	tural Rehab Wetwell #3 - SD Effluent PS Wetwell Rehab	219	16-Feb-15 A	22-Sep-15 A	A jural Re	hab We	: etwell #	#3 - SD F	: =ffluen	t PS Wr	etwell R	ehab		İ							į							
SD30110 Struct	tural Rehab Wetwell #4 - SD Effluent PS Wetwell Rehab	92	01-Apr-17*	01-Jul-17				.00.		i i	i i	i	etwell	#4 - SD	⊹ Effluen	t PS W	etwell R	ehab										
	tural Rehab Wetwell #1 - SD Effluent PS Wetwell Rehab	120	16-May-19*	12-Sep-19	<u>'</u>												- 1	- 1	: al Reha	<u>Wetwell</u>	I #1 - SE	Effluent PS Wetwel	II Rehab					
	truction - Structural Rehab Wetwells	1853	16-Feb-15 A	13-Mar-20		-	-		1	1 1		-		-	-						-			Constructi	ion - Stru	ctural Reha	ab Wetwells	s
	tural Rehab Wetwell #2 - SD Effluent PS Wetwell Rehab	120	15-Nov-19*	13-Mar-20											-				Str	ictural Reh	hab We	twell #2 - SD Effluen	nt PS Wet	well Rehab				
	tantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Wetwell Rehab	0		13-Mar-20*											į			i	◆ Sul	stantial C	Complet	tion (CD Compliance						
·	ct Closeout - SD Effluent PS Wetwell Rehab	90	14-Mar-20	11-Jun-20*			<u>l</u>		1	<u> </u>					<u> </u>				140	1 Mar 20 P	mico ¹ A	dministration		Project Cl	oseout -	SD Effluent	t PS Wetwe	I Rehab
Project Administration SD35050 WASE	D. Project Administration SD Effluent DS Float Faulin (Dumno 7.0) 9 M/M Debah	2307	19-Nov-13 A 19-Nov-13 A	13-Mar-20 13-Mar-20	- 1																- 1							
	D Project Administration - SD Effluent PS Elect. Equip. (Pumps 7-9) & WW Rehab on Building Improvements & Pumps 1-6 Equip.	1979	03-Mar-16 A	02-Aug-21					*****						+				. i WA	SD Projec	ct.Admi	nistration - SD Effluer 02-Aug	nt PS Elec q-21, 1.05	t Equip (F (2) Effluent	Pumps 7 t Pumps 9	-9) & WW.F	Rehab	vements
Pre-Design	on building improvements a Fumps 1-6 Equip.	300	03-Mar-16 A	13-Mar-17					13-M	ar-17, F	re-Desi	gn																+
	esign - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	138	03-Mar-16 A	14-Jul-16 A			Dec D				1			- 0 -		F	į				į						į	
	tiate Remaining Balance of Work - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	118	01-Sep-16 A	13-Mar-17			rre-Des	sion - Sl	i	i i	- 1	- 1	- 1	i	i	i i	mn Cthat	on 🖰	dina !	ntovom	nte O D	impe 1 6 Equits						
Engineering Design		583	14-Jul-16 A	16-Feb-18	,		-		: inego	Juait K	zn rgniji	16-F	Feb ₊ 18,	Engine	ering D	esign	القاد س،	un-mult	7011101	hiozemeu	ius. o. PL	imps 1-6 Equip.	7					
	nical Memorandum (TM) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	49	14-Jul-16 A	18-Oct-16 A	A	_		Technic	: al Men	¦ norandi'i	ım (TM)	- SD Ff	fluent F	Pumn S	; station R	uildina	Improve	ments	& Pum	ps 1-6 Equ	uip							
SD20410 Basis	of Design Report (BODR) - SD Effluent Pump Station Building Improvements & Pumps 1-6 Equip.	60	14-Mar-17	12-May-17			ī		1	1 1	1.1		9	1.7	1	: 7	1.1		1	1 1		os 1-6 Equip.					į	
SD20420 BODR	R Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	10	13-May-17	22-May-17				- ['	1	1 1	- 1	- 1	- 1	- 1	- 1	i i	i	- 1	- 1	-6 Equip.	- 1	adir.					-	
SD20430 30% [Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	80	23-May-17	10-Aug-17					1	: :		!	!	1	!	! " !	!	:	- 11	ımps 1-6 E								
SD20440 30% [Design Review - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	10	11-Aug-17	20-Aug-17					-	i i	i	1	i	i	i	i i	17	i	1	nps 1-6 Ec	1 1							
SD20450 60% [Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	80	21-Aug-17	08-Nov-17						: :	- 1	- 1	- 1	- 1	- 1	: :	- :	- :	- 1	s & Pump	- 1	quip.						
SD20460 60% E	Design Review -SD Effluent PS Building Improvements & Pumps 1-6 Equip.	10	09-Nov-17	18-Nov-17										1	1	! !	1			& Pumps								
	Design Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	19-Nov-17	17-Jan-18					1	<u>.</u>	i	100%	Desig	n Subm	ittal - Sl) Efflu	ent PS Bı	uildina	Improv	ements &	Pumps	1-6 Equip.						
-	eering Design - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	340	14-Mar-17	16-Feb-18					+	-										nents & Pu								
SD40150 100%	Design Review/Permit Ready Submittal - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	18-Jan-18	16-Feb-18	, I :	1	1		1	1 1		_ :		. !_			مطر د	mittol	04 5			Improvements & Pur		1 1	: :	1 1	1	1 1

	ree Schedule - December 2016 Update				out w Baseline	,										age No. 6 of 7
ctivity ID	Activity Name	Original Duration	Start	Finish	2016		2017	2018		2019	2020	2021		2022	2023	2024
Permitting		180	17-Feb-18	15-Aug-18	Q1 Q2 Q3	Q4 Q1 Q	2 Q3 Q4		Q3 Q4 Q1 ▼ 15-Aug-18, Pe		Q1 Q2 Q3 Q	4 Q1 Q2 Q3	Q4 Q1 Q2	Q3 Q4	Q1 Q2 Q3	6 Q4 Q1 C
SD11112	Permitting - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	180	17-Feb-18	15-Aug-18	1				Permitting - S	D Effluent PS Bu	ilding Improvements & F	Pumps 1-6 Equip.				
Procurement		273	16-Aug-18	15-May-19	1					15-May-19, I						
SD43440	Internal Bid Package Review - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	3	16-Aug-18	18-Aug-18					I Internal Bid F	ackage Review -	SD Effluent PS Building	Improvements & P	umps 1-6 Equip.			
SD30570	Design Documents Sent to Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	19-Aug-18		1				♦ Design Docu	ments Sent to Pro	ocurement - SD Effluent	PS Building Improv	ements & Pumps 1	-6 Equip.		
SD30580	Submit/Approve SBD Goals and Request to Advertise - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	19-Aug-18	17-Oct-18	1				Submit/A	pprove SBD Goal	s and Request to Advert	ise - SD Effluent PS	Building Improvem	nents & Pumps	1-6 Equip.	
SD30590	Advertise Bid Package - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	18-Oct-18	10.0	1				◆ Advertise	Bid Package - S	D Effluent PS Building Ir	mprovements & Pur	nps 1-6 Equip.			
SD30600	Bid Solicitation Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	60	18-Oct-18	16-Dec-18	-				Bid S	olicitation Period	I - SD Effluent PS Buildir	ng Improvements &	Pumps 1-6 Equip.			
SD30610 SD30620	Bids Due - SD Effluent PS Building Improvements & Pumps 1-6 Equip. Bid Review Period - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	17-Dec-18 17-Dec-18	15-Jan-19	-				1 1	1 1	t PS Building Improveme	1 1 1 1	T1 1 1 1			
SD30620 SD30630	Award Recommendation - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	30	17-Dec-16	15-Jan-19 15-Jan-19	-				- 1 1	i i	SD Effluent P\$ Building		11 1 1			
SD11122	Procurement - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	270	19-Aug-18	15-May-19	\dashv			-	:♦ Aw		ation - SD Effluent PS Bu ment - SD Effluent PS Bu					
SD30640	Final Approvals (BC C, Mayor, Risk Mgmt.) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	120	16-Jan-19	15-May-19	1					— : :		1 7 1	1 1 1	f : :		
Construction	Thial Apple vas (2000, mayor, ration mights) OD Emident O Building improvements at a uniport o Equip.	810	16-May-19	02-Aug-21		·				- Final Approx	vals (BCC, Mayor, Risk M	Mgmt.) - SD Effluent	PS Building Improv 02-Aug-21, Constru	vements & Pum iction	.ps_1-6 Equip	
SD11130	Contractor Notice to Proceed (NTP) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0	16-May-19		1					♠ Contractor N	Notice to Proceed (NTP)	SD Effusions DS Du	ilding Indonwood	o Purboo 1 k	Equip	
SD11132	Construction - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	720	16-May-19	04-May-21	1					Gorillactoris	Notice to Floceed (NTF)	- 3D Elliuelii F3 Bu				ilding Improveme
SD11142	Substantial Completion (CD Compliance Date 4/07/22) - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	0		04-May-21*	1							◆ Subst	antial Completion (1 1 1	1 1	1 - 1
SD40040	Project Closeout - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	90	05-May-21	02-Aug-21*	1									1 11 1	1 1 1	
Project Administration		1603	14-Mar-17	02-Aug-21		▼							Project Closeout - S 02-Aug-21, Project /	Administration		
SD35060	WASD Project Administration - SD Effluent PS Building Improvements & Pumps 1-6 Equip.	1603	14-Mar-17	02-Aug-21	<u>L</u>	05/0) =70				! !			WASD Project Adm	ninistration - SD.	.Effluent P\$ Bui	ilding Improveme
. , ,	np Station Electrical Equipment (Pumps 7-9)	795	19-Nov-13 A	23-Jan-16 A	i i	1.05 (3) Effluent Pi	ump Station	⊥ieαπcai Equipn	ient (Pumps 7-9							
Engineering De sign	Engineering Design CD Efficient DC Flootrical Equipment (5,000-7,70)	458	19-Nov-13 A	20-Feb-15 A	ering Design											
SD11002	Engineering Design - SD Effluent PS Electrical Equipment (Pumps 7-9)	459	19-Nov-13 A	20-Feb-15 A	- SD Effluent PS	Electrical Equipn	nent (Pumps	7-9)								
Permitting SD11012	Permitting - SD Effluent PS Electrical Equipment (Pumps 7-9)	90	19-Nov-13 A 19-Nov-13 A	17-Feb-14 A 17-Feb-14 A	1				Permitting CD	Effluent De Plant	rical Equipment (Pumps	7.0)				
Procurement	1 Similary Ob Emiddict O Elocated Equipment (unipo 1 0)	90	18-Feb-14 A	19-May-14 A	 				Permitting - SD	Elliuelii PS Elect	ircai Equipment (Pumps	7-9)				
SD11022	Procurement - SD Effluent PS Electrical Equipment (Pumps 7-9)	91	18-Feb-14 A	19-May-14 A	Tours and (Du	70										
Construction		613	20-May-14 A	23-Jan-16 A	J.Equipment (Pu ▼ 23-Jan-16 A,	Donstru <mark>c</mark> tion										
SD11032	Fabricate & Deliver Equipment - SD Effluent PS Electrical Equipment (Pumps 7-9)	277	20-May-14 A	20-Feb-15 A	Fauinment - SD	: Effluent PS Electri	cal Fouinme	nt (Pumns 7-9)								
SD30010	Install Electrical Equipment - SD Effluent PS Electrical Equipment (Pumps 7-9)	335	23-Feb-15 A	23-Jan-16 A	1 1 1 1	cál Equipment - S	1 1	1 1 1	ment (Pumps 7-	9)						
1.06 Gravity Sludge	Thickeners	3006	03-Jul-14 A	24-Sep-22	THISTOIL EXCOLU	Jan-E-garbritane - C	D-Emdora-	Ercottisci Eggi	Their the carries of			1 1		24-Sep	p-22, 1.06 Grav	ity Sludge Thicke
Engineering Design		1508	03-Jul-14 A	18-Aug-18			1 1	1 1 1	▼ 18-Aug-18, E	ngineering Desigr	n					
SD20480	Technical Evaluation of Alternates - SD Gravity Sludge Thickeners	238	03-Jul-14 A	25-Feb-15 A	n of Alternates -	SD Gravity Sludge	Thickeners									
SD20550	Negotiate Scope and Cost with MWH - SD Gravity Sludge Thickeners	72	19-Dec-14 A	28-Feb-15 A	d Cost with MW	H - SD Gravity Slu	dge Thicken	ers								
SD20780	Basis of Design Report (BODR) - SD Gravity Sludge Thickeners	234	13-Apr-15 A	02-Dec-15 A	Basis of Design	Report (BODR) - S	D Gravity SIL	dge Thickeners	_							
SD10280	Engineering Design - SD Gravity Sludge Thickeners	636	03-Jul-14 A	29-Mar-16 A					Engineering l	Design - SD Gravi	ity Sludge Thickeners					
SD41090	Issue Final RDBS - SD Gravity Sludge Thickeners	0		29-Mar-16 A	♦ Issue Fir	al RDBS - SD Gra	vity Sludge 1	hickeners								
SD31020	Design Criteria Package Initial Submittal - SD Gravity Sludge Thickeners	145	03-Dec-15 A	26-Apr-16 A	Design	Criteria Package	Initial Subm	ttal - SD Gravity	Sludge Thickene	rs						
SD31010	Pilot Testing of Thickening Process - SD Gravity Sludge Thickeners	252	21-Aug-15 A	29-Apr-16 A	Pilot Te	sting of Thickenii	ng Process -	SD Gravity Sludg	e Thickeners							
SD31040	DCP Design Review - SD Gravity Sludge Thickeners	25	25-Apr-16 A	19-May-16 A	■ DCP	Design Review - 9	SD Gravity SI	idge Thickeners								
SD31060	Final DCP Submittal - SD Gravity Sludge Thickeners	183	20-May-16 A	23-Nov-16 A		Final DCP	Submittal - S	D Gravity Sludge	Thickeners							
SD43120	EPA Start Dtate for Engineering Design - SD Gravity Sludge Thickeners	0	01-Jan-18*	10 Aug 10*	-			1 1 1 -			ravity Sludge Thickeners					
SD42140	EPA Compliance Dtate for Engineering Design - SD Gravity Sludge Thickeners	1298	29-Jan-16 A	18-Aug-18*				<u>iii.</u>	EPA Complia	nce Dtate for Eng	nneering Design - SD Gr ig-19, Permitting	avity Sludge Thicke	eners			
Permitting SD31070	FDEP Permit - SD Gravity Sludge Thickeners	457	29-Jan-16 A 29-Jan-16 A	18-Aug-19 14-Jul-16 A	- <u>' </u>					1	ig to, i cinitally					
SD43130	EPA Start Date for Permitting - SD Gravity Sludge Thickeners	0	19-Aug-18*	14 041 1071	⊢ FI	DEP Permit - SD (Gravity Sludge	Thickeners								
SD10340	Permitting - SD Gravity Sludge Thickeners	929	29-Jan-16 A	10-Sep-18	1				EPA Start Da		SD Gravity Sludge Thick itting - SD Gravity Sludge					
SD42150	EPA Compliance Date for Permitting - SD Gravity Sludge Thickeners	0		18-Aug-19*						1 1		- ; ; ;	Gluda Thickens			
Procurement		1603	29-Mar-16 A	17-Aug-20	· · · · · · · · · · · · · · · · · · ·						Compliance Date for Per 17-A	เมเนมมู - อน Gravity ug-20, Procurement	Surge Trickeners	· [
SD31260	RDBS Sent to Procurement - SD Gravity Sludge Thickeners	0	29-Mar-16 A		♦ RDBS S4	ent to Procuremen	t - SD Gravity	Sludge Thicken	ers							
SD31470	Submit/Approve SBD Goals and Request to Advertise - SD Gravity Sludge Thickeners	113	29-Mar-16 A	19-Jul-16 A	1 1 1	ubmit/Approve SE	1 1 1	1 1 1	1 1	Sludae Thicken	erts					
SD31480	Advertise RDBS - SD Gravity Sludge Thickeners	0	20-Jul-16 A		1 1 1	dvertise RDB\$ - S	1 1	1 1 1	SE MUNIC							
SD31490	Request for Qualifications - SD Gravity Sludge Thickeners	59	20-Jul-16 A	16-Sep-16 A	1 1	Request for Qu	i i	i i i	e Thickeners							
SD31500	Qualifications Package Due - SD Gravity Sludge Thickeners	0	17-Sep-16 A		1 1 1	Qualifications			1 1							
SD31510	Qualification Review Period - SD Gravity Sludge Thickeners	62	17-Sep-16 A	16-Dec-16 A	_	i i	1 1	Period - SD Gravi	77 1	ners						
SD31520	Shortlist Published - SD Gravity Sludge Thickeners	0		16-Dec-16 A	_	i i i	- 1 - 1	D Gravity Sludge	- 1 1							
SD31530	Request for Proposals - SD Gravity Sludge Thickeners	60	16-Jan-17*	16-Mar-17	_	1 1	1 1	oosals - SD Grav	!!!	eners						
SD31540	Proposals Due - SD Gravity Sludge Thickeners	0	17-Mar-17		1	◆ Pro	oposals Due	SD Gravity Slud	ge Thickeners							
SD31550	Proposal Review Period - SD Gravity Sludge Thickeners	31	17-Mar-17	16-Apr-17	1	1 1	1 1	ew Period - SD (1 1	ickeners						
SD31560	Award Recommendation - SD Gravity Sludge Thickeners	0	17-Apr-17		1	•	Award Recon	mendation - SD	Gravity Sludge 1	hickeners						
SD31570	Contract Negotiations - SD Gravity Sludge Thickeners	72	17-Apr-17	27-Jun-17	_	1 1	- 1 - 1	Negotiations - S	1 1	i i	<u> </u>					
SD10430	Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners	459	29-Mar-16 A	27-Jul-17		1	-				Proc	urement - SD Gravit	y Sludge Thickener	rs - SD Gravity S	Sludge Thickene	ers :
SD31580	Final Approvals (BC C, Mayor, Risk Mgmt.) - SD Gravity Sludge Thickeners	30	28-Jun-17	27-Jul-17	_		Final A	pprovals (BCC, I	Mayor, Risk Mgm	t.) - SD Gravity S	ludge Thickeners					
SD43140	EPA Start Date for Procurement - SD Gravity Sludge Thickeners	0	19-Aug-19*		1						Start Date for Procureme					
SD42160	EPA Compliance Date for Procurement - SD Gravity Sludge Thickeners	0		17-Aug-20*	4		<u></u>	<u> </u>	<u> </u>	<u> </u>	◆ EPA	Compliance Date f	or Procurement - SE	O Gravity Sludge	Thickeners	
Design-Build	D. C. D. W. ATTD OD O. W. O. L. TV. L.	1885	27-Jul-17	24-Sep-22	1									24-Sep	p-22, Design-Bu	ılıa
SD31590	Design-Builder NTP - SD Gravity Sludge Thickeners	0		27-Jul-17	1		♦ Desig	-Builder NTP - S	D Gravity Sludge	Thickeners						
SD31090	Final Engineering by Design-Builder - SD Gravity Sludge Thickeners	330	28-Jul-17	22-Jun-18	1 1 1	. I i	1 1		i i	i i	er - SD Gravity Sludge T	a i i	and the state of		i i	

	ree Schedule - December 2016 Update				ut w Baseline (By Phase) 13-Jan-17 14:20 - Page No
ivity ID	Activity Name	Original Duration	Start	Finish	2016
SD31100	AHJ Permit Review - SD Gravity Sludge Thickeners	180	23-Feb-18	21-Aug-18	
SD10500	Construction - SD Gravity Studge Thickeners	565	04-Mar-18	19-Sep-19	AHJ Permit Review - SD Gravity Sludde Thickeners Construction - SD Gravity Sludde Thickeners
SD10600	Substantial Completion (CD Compliance Date 9/24/22) - SD Gravity Sludge Thickeners	000	04 14101 10	19-Sep-19*	
SD40050	Project Closeout - SD Gravity Sludge Thickeners	90	20-Sep-19	18-Dec-19*	◆ Substantial Completion (CD Compliance Date 9/24/22) - SD Gravity Sludge Thickeners
SD43050 SD43150	EPA Start Date for Construction - SD Gravity Sludge Thickeners	0	18-Aug-20*	10-000-13	Project Closeout - SD Gravity Sludge Thickeners
SD42170	EPA Compliance Date for Construction - SD Gravity Sludge Thickeners	0	10-Aug-20	24-Sep-22*	◆ EPA Start Date for Construction - SD Gravity Studge Thickeners
Project Administration	EFA Compilative Date for Constituction - 3D Glavity Studge Mickeners	1968	03-Jul-14 A	18-Dec-19	◆ EPA'Compliance Date for Con 18-Dec-19, Project Administration
SD35070	WASD Project Administration - SD Gravity Sludge Thickeners	1968	03-Jul-14 A	18-Dec-19	
1.07 Digesters and	, , ,	2678	30-Jun-14 A	28-Oct-21	WASD Project Administration: SD Gravity Studge Thickeners. ✓ 28-Oct-21, 1.07 Digesters and Control Building
	Control building	608			14-Dct-16 A, Pre-Design
Pre-Design SD20016	Negotiate Scope and Cost with MWH - SD Digesters & Control Building	84	18-Feb-15 A 31-Mar-15 A	14-Oct-16 A 22-Jun-15 A	
SD42900	Negotiate Scope and Cost with MWH for SS 7 & 8 - SD Sub-Stations 7 & 8 (Non-Consent Decree)	608	18-Feb-15 A	14-Oct-16 A	cope and Cpst with MWH - SD Digesters & Control Building
Engineering Design	Negotiate deope and dost with with for do 7 & 0 - ab dab-stations 7 & 0 (Non-conscite beside)	1038		02-May-17	. Negotiate Scope and Cost with MWH for SS 7. & 8 SD Sub-Stations 7. & 8 (Non-Consent Decree). ▼ 02-May-17, Engineering Design
SD43160	EPA Start Date for Engineering Design - SD Digesters & Control Building	1036	03-Jul-14 A	02-iviay-17	
SD20006	Basis of Design Report (BODR) - SD Digesters & Control Building	313		08-May-15 A	gn - SD Digesters & Control Building
SD20770	Review/Revise BODR - SD Effluent Pump Station Building Improvements	45		22-Jun-15 A	n Report (BODR) - SD D gesters & Control Building
SD20776	30% Design Submittal - SD Digesters & Control Building	127		27-Oct-15 A	ise BODR -SD Effluent Pump Station Building Improvements
SD20026 SD20036	30% Design Review - SD Digesters & Control Building	24		20-Nov-15 A	6 Design Submittal - SD Digesters & Control Building
					0% Design Review - SD Digesters & Control Building
SD20046	60% Design Submittal - SD Digesters & Control Building	110		09-Mar-16 A	60% Design Submittal -SD Digesters & Control Building
SD20056	60% Design Review -SD Digesters & Control Building	13		22-Mar-16 A	■ 60% Design Review -SD Digesters & Control Building
SD20066	100% Design Submittal - SD Digesters & Control Building	86		16-Jun-16 A	100% Design Submittal - SD Digesters & Control Building
SD10010	Engineering Design - SD Digesters & Control Building	794		31-Aug-16 A	Eng neering Design - SD Digesters & Control Building
SD40160	100% Design Review/Permit Ready Submittal - SD Digesters & Control Building	76	17-Jun-16 A	31-Aug-16 A	100% Design Review/Permit Ready Şubmittal - 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		03-Feb-17	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	10-Feb-17	II 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	31-Mar-17	100% Design Submittal - SD/Sub-Stations 7 & 8 (Non-Consent Decree)
SD42440	100% Design Review/Permit Ready Submittal - SD Sub-Stations 7 & 8 (Non-Consent Decree)	32	01-Apr-17	02-May-17	□ 100% Design Review/Permit Ready Submittal - SD Sub-Stations 7 & 8 (Non-Consent Degree).
Permitting		1091	27-Jul-14 A	21-Jul-17	₹ 21Jul-17, Permitting
SD43170	EPA Start Date for Permitting - SD Digesters & Control Building	0	27-Jul-14 A		Digesters & Control Building
SD41860	FDEP Permit - SD Digesters & Control Building	398	26-Oct-15 A	19-Aug-16 A	FDEP Permit - SD Digesters & Control Building
SD10040	Permitting - SD Digesters & Control Building	429		27-Jan-17	Permitting: SD Digesters & Control Building
SD41870	RER DERM Permit - SD Digesters & Control Building	119	31-Aug-16 A	27-Jan-17	RER DERM Permit -SD Digesters & Control Building
SD41880	MDC Building Department Permit - SD Digesters & Control Building	119	31-Aug-16 A	27-Jan-17	MDC Building Department Permit - SD Digesters & Control Building
SD42190	EPA Compliance Date for Permitting - SD Digesters & Control Building	0		31-Mar-17*	◆ EPA Compliance Date for Permitting - SD Digesters & Control Building
SD42870	RER DERM Permit - SD Substations 7 & 8 (Non-Consent Decree)	80	03-May-17	21-Jul-17	RER DERM Permit - SD Substations 7 & 8 (Non-Consent Decree)
SD42880	MDC Building Department Permit - SD Substations 7 & 8 (Non-Consent Decree)	80	03-May-17	21-Jul-17	MDC Building Department Permit - SD Substations 7 & 8 (Non-Consent Decree).
Procurement		545	15-Jun-17	11-Dec-18	▼ 11-Dec-18, Procurement
SD43450	Internal Bid Package Review - SD Digesters & Control Building	3	15-Jun-17	17-Jun-17	I Internal Bid Package Review - SD Digesters & Control Building
SD30320	Design Documents Sent to Procurement - SD Digesters & Control Building	0	18-Jun-17		◆ Design Documents Sent to Procurement -:SD Digesters & Control Building
SD43180	EPA Start Date for Procurement - SD Digesters & Control Building	0	15-Jul-17*		◆ EPA Start Date for Procure ment - SD Digesters & Control Building
SD30330	Submit/Approve SBD Goals and Request to Advertise - SD Digesters & Control Building	60	18-Jun-17	16-Aug-17	Submit/Approve SBD Goals and Request to Advertise - SD Digesters & Control Building
SD30340	Advertise Bid Package - SD Digesters & Control Building	0	17-Aug-17		◆ Advertise Bid Package - SD Digesters & Control Building
SD30350	Bid Solicitation Period - SD Digesters & Control Building	60	17-Aug-17	15-Oct-17	Bid Solicitation Period - SD Digesters & Control Building
SD30360	Bids Due - SD Digesters & Control Building	0	16-Oct-17		▶ Bids Due - SD Digesters & Control Building
SD30370	Bid Review Period - SD Digesters & Control Building	30	16-Oct-17	14-Nov-17	□ Bid Review Period -SD Digesters & Control Building
SD30380	Award Recommendation - SD Digesters & Control Building	0		14-Nov-17	Award Recommendation + SD Digesters & Control Building
SD42200	EPA Compliance Date for Procurement - SD Digesters & Control Building	0		09-Jan-18*	◆ EPA Compliance Date for Procurement - SD Digesters & Control Building
SD10080	Procurement - SD Digesters & Control Building	270	18-Jun-17	14-Mar-18	Procurement - SD Digesters & Control Building
SD30390	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD Digesters & Control Building	120		14-Mar-18	
SD33690	Pre-Purchase Bid Package (RTU) - SD Digesters & Control Building	60	15-Mar-18	13-May-18	Final Approvals (BC C, Mayor, Risk Mamt.); SD Digesters & Control; Building
SD33710	Advertise Pre-Purchase Package (RTU) - SD Digesters & Control Building	0	14-May-18	, ·	Pre-Purchase Bid Package (RTU) - SD Digesters & Control Building
SD33720	VendorBid & Award (RTU) - SD Digesters & Control Building	60	•	12-Jul-18	◆ Advertise Pre-Purchase Package (RTU) - SD Digesters & Control Building
SD33730	VendorNTP (RTU) -SD Digesters & Control Building	0	, -	12-Jul-18	Vendor Bid & Award (RTU) - \$D Digesters & Control Building
SD33700	Pre-Purchase RTU - SD Digesters & Control Building	272	15-Mar-18	11-Dec-18	♦ Vendor NTP (RTU) - SD Digesters & Control Building
SD33740	Fabricate & Deliver RTU - SD Digesters & Control Building	152	13-Jul-18	11-Dec-18	Pre-Purchase RTU - SD Digesters & Control Building
Construction		1511	09-Sep-17	28-Oct-21	Fabricate & Deliver RTU - SD. Digesters & Control Building 28-Oct-21, Construction
SD43190	EPA Start Date for Construction - SD Digesters & Control Building	0	09-Sep-17*	20-001-21	
SD30400	Contractor Notice to Proceed (NTP) - SD Digesters & Control Building	0	15-Mar-18		◆ EPA Start Date for Construction - SD Digesters & Control Building
SD10140	Construction - SD Digesters & Control Building	1200		26-Jun-21	◆ Contractor Notice to Proceed (NTP) -SD Digesters & Control Building
SD10140 SD10560	Substantial Completion (CD Compliance Date 10/28/21) - SD Digesters & Control Building	1200	I J-IVIGIT IO	26-Jun-21*	Construction - SD Digesters & Control Building
SD40060	Project Closeout - SD Digesters & Control Building	90	27-Jun-21	24-Sep-21*	♦ Substantial Completion (CD Compliance Date 10/28/21) - SD
		90	21-Juil-21	· ·	Project Closeout - SD Digesters & Control Building
SD42210	EPA Compliance Date for Construction - SD Digesters & Control Building	0	20 Jun 44 A	28-Oct-21*	◆ EPA Compliance Date for Construction - SD Digester ✓ 24-Sep-21, Project Administration
Project Administration SD35080	WASD Project Administration - SD Digesters & Control Building	2532 2532		24-Sep-21 24-Sep-21	
	WASD Project Administration - SD Digesters & Control Building	1997		18-Dec-19	. WASD Project AdministrationSD Digesters & Control. ▼ 18-Dec-19, 1.08 Dewatering Facility
1.08 Dewatering Fa			111-1111-74 A	18-DeC-19	

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SD11222	Pre-Design - SD Dewatering Facilities	72	19-Dec-14 A	28-Feb-15 A	watering Facilities												<u> </u>		
Engineering Design		872		23-Nov-16 A		23-Nov-16 A, Engin	ering Design												
SD43200	EPA Start Date for Engineering Design - SD Dewatering Facilities**	0	01-Jul-14 A		gn - SD Dewatering Fac	lities**			į										
SD42220	EPA Compliance Date for Engineering Design - SD Dewatering Facilities**	0		13-Apr-15 A	Date for Engineering D	esign - SD Dewate	ing 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 Dewat	ring Facilities		į										
SD10030	Engineering Design (DCP) - SD Dewatering Facilities	467	19-Dec-14 A	29-Mar-16 A	Engineering Des				į							1			
SD41100	Issue Final RDBS - SD Dewatering Facilities	0		29-Mar-16 A	♦ Issue Final RDB		1 1		1										
SD20020	Design Criteria Package Initial Submittal - SD Dewatering Facilities	146	03-Dec-15 A	26-Apr-16 A	1 1 1 1	1 1 11	1 1		_										
SD20800	Pilot Testing of Thickening Process - SD Dewatering Facilities	253	21-Aug-15 A	29-Apr-16 A	1 1 1 1 1	Package Initial Su	1 1	1 11	S										
SD20030	DCP Design Review - SD Dewatering Facilities	25	25-Apr-16 A	19-May-16 A	1 1 1 1 1	Thickening Proce	1 1	Hacilities										1	
SD20040	Final DCP Submittal - SD Dewatering Facilities		20-May-16 A	23-Nov-16 A	DCP Design	Review - SD Dewa	ering Facilities												
	Filial DCF Sublifittal - SD Dewatering Facilities	183	· · · · · · · · · · · · · · · · · · ·			inal DCP Submitta	L - SD Dewatering	Facilities 10-Sep-	18 Perm	itting							ļ		
Permitting	EDA OLA Data for Description - OD Description Facilities	1219	14-Apr-15 A	10-Sep-18	-			▼ 10-00p	10, 1 01111	itung									
SD43210	EPA Start Date for Permitting - SD Dewatering Facilities	0	14-Apr-15 A	00 4 47	or Permitting - SD Dewa	ering Facilities			-									-	
SD20070	FDEP Permit - SD Dewatering Facilities	457	29-Jan-16 A	29-Apr-17		FDEP P	mit - SD Dewater	ing Facilities	!										
SD42230	EPA Compliance Date for Permitting - SD Dewatering Facilities	0		26-Dec-17*			● EPA Com	liance Date fo	r Permitti	ng - SD De	watering Fac	lities				1 1			
SD10060	Permitting - SD Dewatering Facilities	929	29-Jan-16 A	10-Sep-18					ng - SD [Dewatering	Facilities						.jj		
Procurement		486	29-Mar-16 A	27-Jul-17		27	Jul-17, Procurem	ent											
SD31600	RDBS Sent to Procurement - SD Dewatering Facilities	0	29-Mar-16 A		RDBS Sent to P	ocurement - SD De	vatering Facilities		:										
SD43220	EPA Start Date for Procurement - SD Dewatering Facilities	0	13-Apr-16 A		◆ EPA Start Date			1 1	i !										
SD31610	Submit/Approve SBD Goals and Request to Advertise - SD Dewatering Facilities	113	29-Mar-16 A	19-Jul-16 A	1 1 1 1	pprove SBD Goals	1 7	1 1 1	-waterine	Facilities									
SD31620	Advertise RDBS - SD Dewatering Facilities	0	20-Jul-16 A		1 ' '	RDBS - SD Dewat			-wate IIIQ	acinties									
SD31630	Request for Qualifications - SD Dewatering Facilities	59	20-Jul-16 A	16-Sep-16 A	1 1 1	1 1 1 1		- Facilities	i	i i							1 1		
SD31640	Qualifications Package Due - SD Dewatering Facilities	0			1 1 1 1	est for Qualificatio	1 1	1 1 1											į
SD31650	Qualification Review Period - SD Dewatering Facilities	45	17-Sep-16 A	16-Dec-16 A	◆ Qual	fications Package		1 1 1											
SD31660	Shortlist Published - SD Dewatering Facilities	0	17-0cp-10 A	16-Dec-16 A	-	Qualification Rev	1 1	1 1- 1	ties										1
	9	-		_	-	Shorlist Publishe	I - SD Dewatering	Facilities								- 1	1 1		- 1
SD31670	Request for Proposals - SD Dewatering Facilities	60	16-Jan-17*	16-Mar-17		Request for	Proposals - SD D	ewatering Facil	ities										
SD31680	Proposals Due - SD Dewatering Facilities	0	17-Mar-17			♦ Proposals	ue - SD Dewateri	ng Facilities											
SD42240	EPA Compliance Date for Procurement - SD Dewatering Facilities	0		12-Apr-17*]	EPA Com	liance Date for P	rocurement - SI	D Dewate	ring Facili	ies								
SD31690	Proposal Review Period - SD Dewatering Facilities	31	17-Mar-17	16-Apr-17		1 1 1	Review Period - S	1 1 1	1							- 1	1 1		- 1
SD31700	Award Recommendation - SD Dewatering Facilities	0	17-Apr-17			1 1 1	commendation - S	1 1 7	i										
SD31710	Contract Negotiations - SD Dewatering Facilities	72	17-Apr-17	27-Jun-17	1	1 1 1	act Negotiations	1 1 1	1	!!!									
SD10110	Procurement - SD Dewatering Facilities	459	29-Mar-16 A	27-Jul-17			curement - SD De			es						1 1			
SD31720	Final Approvals (BC C, Mayor, Risk Mgmt.) - SD Dewatering Facilities	30	28-Jun-17	27-Jul-17	1 1 1												1		- 1
De sign-Build	That Approvade (2000, mayor, North Ingilit.)	920	12-Jun-17	18-Dec-19		Fit	al Approvals (BC)	C, Mayor, Risk I	Mgmt)-3	SD Dewate	ring Facilities 18-Dec-1	9. Desiαn-Build	 -						
SD43230	EPA Start Date for Construction - SD Dewatering Facilities	920	12-Jun-17*	10-Dec-19	1											1 1			
SD31730	Design-Builder NTP - SD Dewatering Facilities	0	12 0 011 17	27-Jul-17	- 1 1 1	i i i	tart Date for Cons	i i i	i i	1 1						1 '			1
		-	20 1 17		-	◆ De	sign-Builder NTP												
SD20010	Final Engineering by Design-Builder - SD Dewatering Facilities	330	28-Jul-17	22-Jun-18	1 1 1 1			Final Engine	ering by E	Design-Buil	der - SD Dev	vatering Facilitie	es						
SD20080	AHJ Permit Review - SD Dewatering Facilities	180	23-Feb-18	21-Aug-18				AHJ Pen	nit Revie	w - SD Dev	vatering Faci	ities							
SD10210	Construction - SD Dewatering Facilities	565	04-Mar-18	19-Sep-19							Construct	on - SD Dewate	ering Facilities	3		- 1			
SD10450	Substantial Completion (CD Compliance Date 11/28/19) - SD Dewatering Facilities	0		19-Sep-19*	1				i	♦ s	ubstantial Co	mpletion (CD C	Compliance Da	ate 11/28/19)	- SD Dewate	ering Facili	ities		
SD42250	EPA Compliance Date for Construction - SD Dewatering Facilities	0		28-Nov-19*					į	1 1		oliance Date for		1 1	1 1	1 1			
SD40070	Project Closeout - SD Dewatering Facilities	90	20-Sep-19	18-Dec-19*					1	1 📥	1 1		1 1	1 1					
Project Administration	n	1684	13-Apr-15 A	18-Dec-19	1 1			1 1 1	!	1		loseout - SD D 9, Project Adm					1 1		
SD35090	WASD Project Administration - SD Dewatering Facilities	1684	13-Apr-15 A	18-Dec-19		1 1	i i	1 1	į	<u>i i</u>	WASD B	rotect Administ	ration SD De	watering Fac	ilitide	1			
1.09 FOG Remov	al Facility	1424	08-Jul-14 A	31-May-18	1 1 1	1 1	· · · ·	31-May-18, 1.0	9 FOG F	Removal Fa	cility	totect Administr	IAUUIL-SD-DE	watenin rac	u.u.e.s				
Engineering Design		588	08-Jul-14 A	16-Feb-16 A	16-Feb-16 A, Engin	ering Design											tt		
SD43240	EPA Start Date for Engineering Design - SD FOG Removal Facility	0	08-Jul-14 A	.010D-1074	1 1 1 1 1				į								1 1		
SD20560	Technical Evaluation of Alternatives - SD FOG Removal Facility	252	08-Jul-14 A	16-Mar-15 A	gn - SD FOG Removal F	1 1 1			1							1 1			i
	·				on of Alternatives - SD F	1 1 1	1 1		!										
SD20570	Negotiate Scope and Cost with MWH - SD FOG Removal Facility	136	19-Dec-14 A	03-May-15 A	e and Cost with MWH -	SD FOG Removal	acility		-										
SD20580	Basis of Design Report (BODR) Submittal - SD FOG Removal Facility	79	04-May-15 A	21-Jul-15 A	Design Report (BODR) S	ubmittal - SD FOG	Removal Facility		i	1 1							1 1		
SD20590	BODR Design Review - SD FOG Removal Facility	38	22-Jul-15 A	28-Aug-15 A	Design Review - SD FO	Removal Facility			1							'			- 1
SD20600	60% Design Submittal - SD FOG Removal Facility	37	01-Sep-15 A	07-Oct-15 A	Design Submittal - SD	1 1 1	ity		!										
SD20610	60% Design Review -SD FOG Removal Facility	15	08-Oct-15 A	22-Oct-15 A	6 Design Review SD F	i i i	i i		į								1 1		
SD20620	100% Design Submittal - SD FOG Removal Facility	62	23-Oct-15 A	23-Dec-15 A	100% Design Submitta	1 1 1	1 1		1							1 1	1 1		
SD10000	Engineering Design - SD FOG Removal Facility	563	08-Jul-14 A	21-Jan-16 A	Engineering Design				:										
SD40170	100% Design Review/Permit Ready Submittal - SD FOG Removal Facility	29	24-Dec-15 A	21-Jan-16 A	100% Design Review	1 1 1	1 1	hmoval Facility	,								1 1		
SD42260	EPA Compliance Date for Engineering Design - SD FOG Removal Facility	0		16-Feb-16 A	1 1 1 1 1 1	1 1 1	1 1	the state of the s											
Permitting	,	356	10-Nov-15 A	28-Oct-16 A	◆ EPA Compliance D	ate for Engineering Oct-16 A, Permitti	Jesian - SD FQG. g	kemoval Facili	. U										
SD43250	EPA Start Date for Permitting - SD FOG Removal Facility	0	17-Feb-16 A	20-00E-10 A	1 1 1 1	1 1 1	1 1	1 1 1											
SD41770	FDEP Permit - SD FOG Removal Facility	241	10-Nov-15 A	07-Jul-16 A	◆ EPA Start Date for F		1 1	1		1					1 1		1 1	1 1	
	·			_		mit - SD FOG Rem			i	1 1									
SD10020	Permitting - SD FOG Removal Facility	320	10-Nov-15 A	24-Sep-16 A	P	mitting - SD FOG	Removal Facility		1							1			
OD 44700	RER Bldg Dept. Permit - SD FOG Removal Facility	235	03-Feb-16 A	24-Sep-16 A	REF	Bldg Dept. Permit	SD FOG Remova	al Facility											- }
SD41760	EPA Compliance Date for Permitting - SD FOG Removal Facility	0		28-Oct-16 A	1 1 1 1	A Compliance Day	1 1		al Facilit	ν							11		
SD41760 SD42270			03-May-15 A	15-May-17		15-May	17. Procurement	1 1			1	1 1 1 1 1 1 1 1		1 777	1 7			1 1	- 11
		744	US-IVIAY-15 A	15-Iviay-17		1 1 1	,	1 1 1	- 1	1 1	1 1	1 1 1	1 1	1 1	- : :		1 1	1 1	- 1
SD42270	EPA Start Date for Procurement - SD FOG Removal Facility		03-May-15 A	15-iviay-17	1 : : :	1 1 1	1 1												
SD42270 Procurement	EPA Start Date for Procurement - SD FOG Removal Facility Design Documents Sent to Procurement - SD FOG Removal Facility	0		13-Way-17	for Procurement - SD FC	G Removal Facilit			! ! !										
SD42270 Procurement SD43260	·	0	03-May-15 A	05-Oct-16 A	for Procurement - SD F0 ◆ Design	1 1 1	Procurement - SE	FOG Remova	! ! !										

'ASD Consent Decre	ee Schedule - December 2016 Update Activity Name	Original	Start	Standard Layo		seline (B) 2016	by Priase	e) 2017			2018		201	Ι Q		2020		2021			13-Jar ²⁰²²	11-17 14	4:20 - P	aye No	. 9 01
ty ID	Activity Name	Duration	Start	FIIIISII		2 Q3 C	Q4 Q1	Q2 Q3	Q4	Q1 (Q4 Q1			4 Q1 (Q4 Q1	Q2 Q3	3 Q4			4 Q1		3 Q4	
SD30250	Advertise Bid Package - SD FOG Removal Facility	0	13-Oct-16 A					Bid Packag	+											-	-				
SD30260	Bid Solicitation Period - SD FOG Removal Facility	30	13-Oct-16 A	01-Dec-16 A] [1 1		olicitation Pe	1	1 1		1		į		i									
SD30270	Bids Due - SD FOG Removal Facility	0	01-Dec-16 A		1			Due - SD FO	1	1 1															
SD30280	Bid Review Period - SD FOG Removal Facility	15	02-Dec-16 A	14-Jan-17]			d Review Per	1	1 1	1 1	cility													
SD43470	OCI Reviews and Provides List (for Rebid) - SD FOG Removal Facility	7	15-Jan-17	21-Jan-17	1			Çl Reviews a	i	i i	1 1	i	Remov	val Facilit	v										
SD43480	Advertise Bid Package (for Rebid) - SD FOG Removal Facility	0	22-Jan-17					dvertise Bid F		1 1	1 1	- 1	1 1	- ;	'										
SD43490	Bid Solicitation Period (for Rebid) - SD FOG Removal Facility	45	22-Jan-17	07-Mar-17	1 :			Bid Solicita	1	1 1	1 1	1	1 1			i									į
SD43500	Bids Due (for Rebid) - SD FOG Removal Facility	0	08-Mar-17		1			Bids Due (fo	i	i i	i i	i	·												
SD43510	Bid Review Period (for Rebid) - SD FOG Removal Facility	15	08-Mar-17	22-Mar-17	1			Bid Reviev		1 1			al Facili	tv											j
SD30290	Award Recommendation - SD FOG Removal Facility	0		22-Mar-17	1			Award Rec	1	1 1		1	1 1	.,											
SD10070	Procurement - SD FOG Removal Facility	133	05-Aug-16 A	06-Apr-17							3 Removal		ZCIIILY	į											
SD30300	Final Approvals (BCC, Mayor, Risk Mgmt.) - SD FOG Removal Facility	15	23-Mar-17	06-Apr-17	1			∵ ; I FinalAppı	n novale	BCC M	avor Rick	Mamti) - SE	FOG P	emoval F	acility										
SD42280	EPA Compliance Date for Procurement - SD FOG Removal Facility	0		15-May-17*	1			1 1					1 1												
Construction		420	07-Apr-17	31-May-18	1			. EPA.C	;	LILE Date	31-Ma	/-18, Const	ruction	eiiioyai-i-e	acinty i								1		
SD10123	Contractor Notice to Proceed (NTP) - SD FOG Removal Facility	0	07-Apr-17*		1			♦ Contracto	or Notic	e to Prod	eed (NTP)	- SD FOG F	: Remova	l Facility											
SD43270	EPA Start Date for Construction - SD FOG Removal Facility	0	16-May-17*		1 :						1 1	SD FOG R	1 1				i i								
SD42290	EPA Compliance Date for Construction - SD FOG Removal Facility	0		07-Dec-17*	1			+ LIAG	i	i i	i i	ate for Cor	1 1	i	GRemova	al Facility									
SD10130	Construction - SD FOG Removal Facility	330	07-Apr-17	02-Mar-18	1							- SD FOG I			70110111011		i i								
SD10270	Substantial Completion (CD Compliance Date 12/07/17) - SD FOG Removal Facility	0		02-Mar-18*	1					_			1 1	1	Data 13/0	; 7/17\	EOC Pomo	vol Facility							
SD40080	Project Closeout - SD FOG Removal Facility	90	03-Mar-18	31-May-18*	1					▼ SI							OG REIIIC	oval Facility				1			
Project Administration	•	1311	08-Jul-14 A	31-May-18				! !	:		31-Ma	Closeout - 7-18, Projec	t Admin	ر برطانا ۱۵۷۵ iistratiion	ar L'achillà.		11	11		1	1		1 1		
SD35100	WASD Project Administration - SD FOG Removal Facility	1311	08-Jul-14 A	31-May-18				<u> </u>	<u> </u>	<u> </u>	- WASD	Project Ad	minietra	tion - SD	FOG Remo	val Facili	tv								
1.10 Odor Control		1937	05-Jan-18	25-Apr-23					-	*		الكاداعدودد. :		المالي- دامده.	; ;	لاتات باستدر					1 1		25-Ap	r-23, 1.10	Odor
Pre-Design		150	05-Jan-18	03-Jun-18				† <u>†</u>	+		─ 03-Jur	-18, Pre-De	esign				 						1		
SD11182	Pre-Design - SD Odor Control	150	05-Jan-18*	03-Jun-18						<u> </u>	- Dro D	sian CD (otrol											
Engineering Design	· · · ·	419	04-Jun-18	27-Jul-19				†	÷	-	1. Pte-De	signSD_C	Juoi-Cai	▼ 27-Jul	-19, Engine	ering Des	sign				4		††		
SD20630	Basis of Design Report (BODR) - SD Odor Control	60	04-Jun-18	02-Aug-18							1 1	sis of Desi	1 1	i	i i	1									
SD20640	BODR Review Period - SD Odor Control	14	03-Aug-18	16-Aug-18	1						1 1	ODR Revie	1 1	- 1	- 1	Collino									
SD20650	30% Design Submittal - SD Odor Control	95	17-Aug-18	19-Nov-18	1				1		1 1	1	1 1	1	1 1	0									
SD43280	EPA Start Date for Engineering Design - SD Odor Control	0	01-Dec-18*		1							30% [i i	i i	i i	i									
SD20660	30% Design Review - SD Odor Control	14	20-Nov-18	03-Dec-18	1							1	1 1		1 11		Odor Contr	rol							
SD20670	60% Design Submittal - SD Odor Control	105	04-Dec-18	18-Mar-19	1							i	1 1	i	SD Odor C	i									
SD20680	60% Design Review -SD Odor Control	21	19-Mar-19	08-Apr-19	1							- 1	1 1	- 1	ıbmittal 🛉 S	- 1	1 1								
SD20690	100% Design Submittal - SD Odor Control	80	09-Apr-19	27-Jun-19	1 !								9 9	(**	Review -SD		!!!								
SD42300	EPA Compliance Date for Engineering Design - SD Odor Control	0	09-Api-19	27-Jun-19*	1 1								i i	i	i i	i	Odor Contr	i i							
SD10360	Engineering Design - SD Odor Control	419	04-Jun-18	27-Jul-19	1							<u> </u>						esian - SD (Odor Contr	ol					
SD40180	100% Design Review/Permit Ready Submittal - SD Odor Control	30	28-Jun-19	27-Jul-19	- 1									- !-	1 1	- 1	dor Control	1 1							
Permitting	100% Design Review/Feilint Ready Submittal - 3D Oddi Control	365	28-Jun-19	26-Jun-20	····			ļ		}				100%	Design Re	view/Pem	nit Ready S	ubmittalSI nitting	D. Odor.Co.	ntrol			ļ		
SD43290	EPA Start Date for Permitting - SD Odor Control	0	28-Jun-19*	20-3011-20	1								1 1				1 1								
SD10400	Permitting - SD Odor Control	180	28-Jul-19	23-Jan-20	1								•	EPA Star	t Date for F		- SD Odor (al						
SD42310	EPA Compliance Date for Permitting - SD Odor Control	0	20-041-10	26-Jun-20*	1					1			1 1		-	1	1 7	Odor Contr	- 1						
	LETA COMPITABLE DATE FOR COMPUTED CONTROL	520	24-Jan-20	26-Jun-21	 			÷	÷	·}}-			-}}	 	·- 		Compliand	ce Date for F	Permitting S-Jun-21. F	- SD Odor rocurem	Control				
SD43460	Internal Bid Package Review - SD Odor Control	320	24-Jan-20 24-Jan-20	26-Jan-20	1					1											T				
SD30730	Design Documents Sent to Procurement - SD Odor Control	0	27-Jan-20	20 0011 20	1										- 1	- 1	1 1	iew - SD Od	- 1 - 1						
SD30740	Submit/Approve SBD Goals and Request to Advertise - SD Odor Control	60	27-Jan-20	26-Mar-20	1				-						1 1	1	1 1	to Procurem	1 1	1	1 1				
SD30750		0	27-Mar-20	20 Mai 20	1										- 1	- 1	1 1	Goals and F	- 1	Advertise	SD Odor	Control			
SD30760	Advertise Bid Package - SD Odor Control Bid Solicitation Period - SD Odor Control	60	27-Mar-20	25-May-20	1								1 1		1 1	1		e - SD Odor	1 1			-			
SD30760 SD30770	Bids Due - SD Odor Control	0	27-Mai-20 26-May-20	ZU-IVIAY-ZU	-										- 1	_ ;	1 1	eriod - SD C	dor Contro	А					
			•	24 1 20	-											♦ Bids E	ue - SD Od	lor Control							
SD30780	Bid Review Period - SD Odor Control Award Recommendation - SD Odor Control	30	26-May-20	24-Jun-20	-									i		1	1 1	iod - SD Od	1 1			1			
SD30790		0	27 lum 20*	24-Jun-20	-											- 1	1 1	nendation -	1 1	- 1					
SD43300	EPA Start Date for Procurement - SD Odor Control	0	27-Jun-20*	20.0-7.00	1			1	-			i		į		♦ EPA	Start Date	for Procuren				ĺ	1 1		
SD10480	Procurement - SD Odor Control	270	27-Jan-20	22-Oct-20	1									1			+	Pr	ocuremen	i - SD Odd	or Control				
SD30800	Final Approvals (BC C, Mayor, Risk Mgmt.) - SD Odor Control	120	25-Jun-20	22-Oct-20	-							į		i		Ė	Final A	pprovals (BC	CC, Mayor,	Risk Mg	mt.) - SD O	dor Cont	rol		
SD42320	EPA Compliance Date for Procurement - SD Odor Control	0	00.0	26-Jun-21*				<u> </u>		ļļ.								El	PA Compli	ance Date	e for Procur	rement-	SD Odor C	Control	dra 104
Construction	Contractor Nation to Descond (NITD) CD Oder Contral	915	23-Oct-20	25-Apr-23	1			1	-					į		į	· -		1 1			-	- → ∠3-Ap	OIIS , COIIS	auCl
SD10538	Contractor Notice to Proceed (NTP) - SD Odor Control	0	23-Oct-20		1												◆ Contrac	ctor Notice t	o Proceed	(NTP) - S	D Odor Cor	ntrol			
SD43310	EPA Start Date for Construction - SD Odor Control	0	27-Jun-21*	04 4 55	-			1	-					- 1			1	♦ EF	PA Start Da	te for Co	nstruction -	SD Odo	,		
SD10540	Construction - SD Odor Control	668	23-Oct-20	21-Aug-22	1																		Const	truction - S	D Oc
SD10610	Substantial Completion (CD Compliance Date 4/25/23) - SD Odor Control	0		21-Aug-22*	1																♦ \$ub	stantial	Çompletio	n (CD Con	nplia
SD40090	Project Closeout - SD Odor Control	90	22-Aug-22	19-Nov-22*									1 1	-								Projec	Closeout	t - SD Odo	: Cor
SD42330	EPA Compliance Date for Construction - SD Odor Control	0		25-Apr-23*	1			<u> </u>		ļļ.		<u> </u>	<u> </u>	<u></u>	<u> </u>	<u> </u>	<u> </u>						◆ EPA C v-22, Proje		
Project Administration		1630	04-Jun-18	19-Nov-22							•										7	▼ 19-No	v-22, Proje	ct Adminis	tratio
SD35110	WASD Project Administration - SD Odor Control	1630	04-Jun-18	19-Nov-22	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>		<u> </u>	<u> </u>	<u> </u>	1 1	<u> </u>	1 1	1 1	1 1	<u></u>	1 1	,	Project A	dministrati	on -
1.11 General Electric	cal	2536	30-Jun-14 A	08-Jun-21				1 1	1									-80	Jun-21, 1.	11 Genera	al Electrica	11		I	_
Engineering Design		1134	30-Jun-14 A	04-Oct-17		7			04-0	Oct-17, E	ngineering	Design	-[<u>-</u>			!]	7		7]]]	7	
SD43320	EPA Start Date for Engineering Design - SD General Electrical	0	31-Dec-16*				♦ FP4	: A' Start Date f	; for Engi	ineering	Desian - S	; D Gerleral F	Electrica												
SD42340	EPA Compliance Date for Engineering Design - SD General Electrical	0		28-May-17*			Ţ/	! !		!!!	!!!	eering Des	1 1	!	Flectrical		1 1	1 1	1 1				1 1		
SD10180	Engineering Design (Summary) - SD General Electrical	1134	30-Jun-14 A	04-Oct-17								ummary) - S				- 1						- 1			

	ree Schedule - December 2016 Update				w Baseline (By Phase) 13-Jan-17 14:20 - Page No.
tivity ID	Activity Name	Original Duration	Start	Finish	2016
Permitting		949	26-Oct-15 A	15-Aug-18	71 42 43 44 41 41 42 43 44 41 41 42 43 44 41 41 42 43 44 41 41 42 43 44 41 41 42 43 44 41 41 41 41 41 41 41 41 41 41 41 41
SD43330	EPA Start Date for Permitting - SD General Electrical	0	29-May-17*		◆ EPA Start Date for Permitting - \$D Geheral Electrical
SD42350	EPA Compliance Date for Permitting - SD General Electrical	0		28-May-18*	◆ EPA Compliance Date for Permitting + SD General Electrical
SD10230	Permitting (Summary) - SD General Electrical	949	26-Oct-15 A	15-Aug-18	Permitting (Summary) - SD General Electrical
Procurement		710	18-Jun-17	28-May-19	▼ 28-May-19, Procurement
SD43340	EPA Start Date for Procurement - SD General Electrical	0	29-May-18*	40.1440	◆ EPA Start Date for Procurement - SD General Electrical
SD10310	Procurement (Summary) - SD General Electrical	694	18-Jun-17	12-May-19	Procurement (Summary) - SD General Electrical
SD42360 Construction	EPA Compliance Date for Procurement - SD General Electrical	1122	14-May-18	28-May-19* 08-Jun-21	◆ EPA.Compliance Date for Procurement - SD General Electrical 08-Jun-21, Construction
SD43350	EPA Start Date for Construction - SD General Electrical	0	29-May-19*	00-3011-21	
SD10390	Construction (Summary) - SD General Electrical	1032	14-May-18	10-Mar-21	PA Start Date for Construction - SD General Electrical Construction (Summary) - SD General Electrical
SD10510	Substantial Completion (CD Compliance Date 3/26/21) - SD General Electrical	0	., .	10-Mar-21*	
SD42370	EPA Compliance Date for Construction - SD General Electrical	0		26-Mar-21*	◆ Substantial Completion (CD Compliance Date 3/26/21) - SD Genera ◆ EPA Compliance Date for Construction - SD General Electrical
SD40100	Project Closeout - SD General Electrical	90	11-Mar-21	08-Jun-21*	
Project Administration		2460	30-Jun-14 A	08-Jun-21	Project Closeout -SD General Electrical 08-Jun-21, Project Administration
SD35120	WASD Project Administration - SD General Electric	2460	30-Jun-14 A	08-Jun-21	WASD Project Administration - SD General Electric ▼ 26-Oct-20, 1.11 (1) SDWW tP General Electrical Misc. Construction
1.11 (1) SDWWTP G	General Electrical Misc. Construction	1367	25-Oct-16 A	26-Oct-20	
Engineering Design		249	25-Oct-16 A	04-Oct-17	04-0ct-17; Engineering Design
SD40410	Engineering Design - Generator Enclosures & Remote Radiators - SD General Electrical	200	25-Oct-16 A	12-May-17	Engineering Design - Generator Enclosures & Remote Radiators - SD General Electrical
SD40460	Engineering Design - Replace SS 9, 10, 11 & 12 - SD General Electrical	200	19-Mar-17*	04-Oct-17	Engineering Design - Replace SS 9, 10, 11 & 12 - SD General Electrical U2-Apr-18, Permitting
Permitting SD40340	Permitting - Generator Enclosures & Remote Radiators - SD General Electrical	325 180	13-May-17 13-May-17	02-Apr-18 08-Nov-17	
SD40390	Permitting - Replace SS 9, 10, 11 & 12 - SD General Electrical	180	05-Oct-17	02-Apr-18	Permitting - Generator Enclosures & Remote Radiators - \$D General Electrical
Procurement	Tollinang Topiace 60 0, 10, 11 a 12 05 octional Electrical	415	09-Nov-17	28-Dec-18	Permitting - Replace SS 9, 10, 11 & 12 - SD. General Electrical.
SD40270	Procurement - Generator Enclosures & Remote Radiators - SD General Electrical	270	09-Nov-17	05-Aug-18	
SD40320	Procurement - Replace SS 9, 10, 11 & 12 - SD General Electrical	270	03-Apr-18	28-Dec-18	Procurement - Generator Enclosures & Remote Radiators - SD General Electrical
Construction		813	06-Aug-18	26-Oct-20	Produrement - Replace SS 9, 10, 11 & 12 - SD General Flectrical. ✓ 26-Oct-20, Construction
SD40200	Replace Generator Enclosures & Remote Radiators - SD General Electrical	668	06-Aug-18	03-Jun-20	Replace Generator Enclosures & Remote Radiators - SD General Electrical
SD40260	Replacement of Substations 9, 10, 11 and 12 - SD General Electrical	668	29-Dec-18	26-Oct-20	Replacement of Substations 9, 10, 11 and 12. SD General Electrical 10. Mar-21, 1.11 (2) Elect. Feeder Blog 1 to Effluent PS (1-6) (Pioject
1.11 (2) Elect. Feede	er Bldg 1 to Effluent PS (1-6) (Project 1.05(2))	1458	14-Mar-17	10-Mar-21	▼ 10-Mar-21, 1.11 (2) Elect, Feeder Bldg 1 to Effluent PS (1-6) (Project
Engineering Design		340	14-Mar-17	16-Feb-18	▼ 16-Feb-18, Engineering Design
SD40440	Engineering Design - Elect. Feeder Bldg 1 to Effluent PS (1-3) (1.05) - SD General Electrical	340	14-Mar-17	16-Feb-18	Engineering Design - Elect. Feeder Bldg 1 to Effluent PS (1-3) (1.05) - SD General Electrical
SD40450	Engineering Design - Elect. Feeder Bldg 1 to Effluent PS (4-6) (1.05) - SD General Electrical	340	14-Mar-17	16-Feb-18	Engineering Design - Elect. Feeder Bldg.1 to Effluent PS (4-6) (1.05) - SD General Electrical.
Permitting	Permitting - Elect. Feeder Bldg 1 to Effluent PS (1-3) (1.05) - SD General Electrical	180 180	17-Feb-18 17-Feb-18	15-Aug-18	▼ to Aug-to, refilling
SD40370 SD40380	Permitting - Elect. Feeder Bldg 1 to Effluent PS (1-5) (1.05) - SD General Electrical	180	17-Feb-18	15-Aug-18 15-Aug-18	Permitting - Elect. Feeder Bidg 1 to Effluent PS (1-3) (1.05) - SD General Electrical
Procurement	remitting * Lieut. Feeder blug 1 to Lindent F3 (4-0) (1.03) * 3D General Electrical	270	16-Aug-18	12-May-19	Permitting Elect. Feeder Bldg. 1 to Effluent PS (4-6) (1.05) - SD General Electrical. ✓ 1/2-May;19, Procurement
SD40300	Procurement - Elect. Feeder Bldg 1 to Effluent PS (1-3) (1.05) - SD General Electrical	270	16-Aug-18	12-May-19	
SD40310	Procurement - Elect. Feeder Bldg 1 to Effluent PS (4-6) (1.05)- SD General Electrical	270	16-Aug-18	12-May-19	Procurement - Elect; Feeder Bldg 1 to Effluent PS (1-3) (1.05) - SD General Electrical
Construction		668	13-May-19	10-Mar-21	Procurement - Elect: Feeder Bldg.1.to. Effluent PS (4-6) (1.05)- SID. General Electrical.
SD40230	Replace 15kV Primary Feeder from Elect. Bldg 1 to Effluent PS Pumps 1-3 (1.05) - SD General Electrical	668	13-May-19	10-Mar-21	Replace 15kV Primary Feeder from Elect. Bldg 1 to Effluent PS Pum
SD40240	Replace 15kV Primary Feeder from Elect. Bldg 1 to Effluent PS Pumps 4-6 (1.05) - SD General Electrical	668	13-May-19	10-Mar-21	
1.11 (3) Replace Pri	imary Feeder from Elect. Bldg 1 to Substation 8 (Project 1.07)	2172	30-Jun-14 A	09-Jun-20	Replace 15kV Primary Feeder from Elect. Bldg 1 to Effluent PS Pum ▼ 09-Jun-20, 1.11 (3) Replace Primary Feeder from Elect. Bldg 1 to Substation 8 (Project
Engineering Design		1054	30-Jun-14 A	18-May-17	▼ 18-May-17, Engineering Design
SD40430	Engineering Design - Elect. Feeder Bldg 1 to SS 8 (1.07) - SD General Electrical	963	30-Jun-14 A	16-Feb-17	Engineering Design - Elect. Feeder Bldg 1 to SS 8 (1.07) - SD General Electrical
SD40420	Engineering Design - Elect. Feeder Bldg 1 to SS 7 - SD General Electrical	200	30-Jun-14 A	18-May-17	Engineering Design - Elect. Feetler Bldg 1 to SS 7 - SD. General Electrical.
Permitting	D. 10. FLATE A DIA 44 000 4407 OD 0. A FLATE	751	26-Oct-15 A	14-Nov-17	▼ 1/4-Nov-17, Fermitting
SD40360	Permitting - Elect. Feeder Bldg 1 to SS 8 (1.07) - SD General Electrical	635	26-Oct-15 A	21-Jul-17	Permitting - Elect. Feeder Bldg 1 to SS 8 (1.07) - SD General Electrical
SD40350	Permitting - Elect. Feeder Bldg 1 to SS 7 - SD General Electrical	180	19-May-17	14-Nov-17	Permitting - Elect. Feeder Bldg 1 to SS.7 - SD General Electrical
Procurement SD40290	Procurement - Elect. Feeder Bldg 1 to SS 8 (1.07) - SD General Electrical	330	18-Jun-17 18-Jun-17	11-Aug-18 13-May-18	
SD40280	Procurement - Elect. Feeder Bldg 1 to SS 7 - SD General Electrical	270	15-Nov-17	11-Aug-18	Procurement - Elect. Feeder Bldg 1 to \$\$ 8 (1.07) - SD General Electrical
Construction	Troud children Elect. Tecaci Brag 1 to 66 1 65 Correlat Electrical	758	14-May-18	09-Jun-20	Procurement - Elect; Feeder Bldg 1 to \$\$ 7 - \$D. General Electrical O9-Jun-20, Construction
SD40220	Construction - Elect. Feeder Bldg 1 to SS 8 (1.07) - SD General Electrical	500	14-May-18	25-Sep-19	Construction - Elect. Feeder Bldg 1 to SS 8 (1.07) - SD General Electrical
SD40210	Construction - Elect. Feeder Bldg 1 to SS 7 - SD General Electrical	668	12-Aug-18	09-Jun-20	
1.12 Chlorine Conta	tack Chamber	2126	24-Aug-15 A	18-Jun-21	Construction - Elect. Feeder Bildg 1 to SS 7 - SD General Electrical 18-Jun-21, 1.12 Chlorine Contact Chamber
Engineering Design		1416	01-Oct-15 A	16-Aug-19	▼ 16-Aug-19, Engineering Design
SD43360	EPA Start Date for Engineering Design - SD Chlorine Contact Chamber	0	01-Aug-16 A		◆ EPA Start Date for Engineering Design - SD Chlorine Contact Chamber
SD42380	EPA Compliance Date for Engineering Design - SD Chlorine Contact Chamber	0		08-Apr-17*	
SD10150	Engineering Design - SD Chlorine Contact Chamber	1416	01-Oct-15 A	16-Aug-19	Engineering Design - SD Chlorine Contact Chamber
Permitting		921	01-Oct-15 A	08-Apr-18	V 08-Apr-18, Permitting
SD10200	Permitting - SD Chlorine Contact Chamber	30	01-Oct-15 A	30-Oct-15 A	Permitting - SD Chlorine Contact Chamber
SD43370	EPA Start Date for Permitting - SD Chlorine Contact Chamber	0	09-Apr-17*		♦ EPA Start Date for Permitting - SD Chlorine Contact Chamber
SD42390	EPA Compliance Date for Permitting - SD Chlorine Contact Chamber	0		08-Apr-18*	● EPA Compliance Date for Permitting -SD Chlotine Contact Chamber 14-Nov:19, Procurement
Procurement	EDA Obrat Data for Description and CD Obl. 1 Co. 1 CO. 1	1544	24-Aug-15 A	14-Nov-19	→ 1/4-Nov+19, Procurement
SD43380	EPA Start Date for Procurement - SD Chlorine Contact Chamber	0	09-Apr-18*	00.4 10:	◆ EPA Start Date for Procurement - SD Chlorine Contact Chamber
S11/02/00	EPA Compliance Date for Procurement - SD Chlorine Contact Chamber	0		08-Apr-19*	◆ EPA Compliance Date for Procurement - SD Chlorine Contact Chamber
SD42400 SD10290	Procurement - SD Chlorine Contact Chamber	1544	24-Aug-15 A	14-Nov-19	Procurement SD Chlorine Contact Chamber

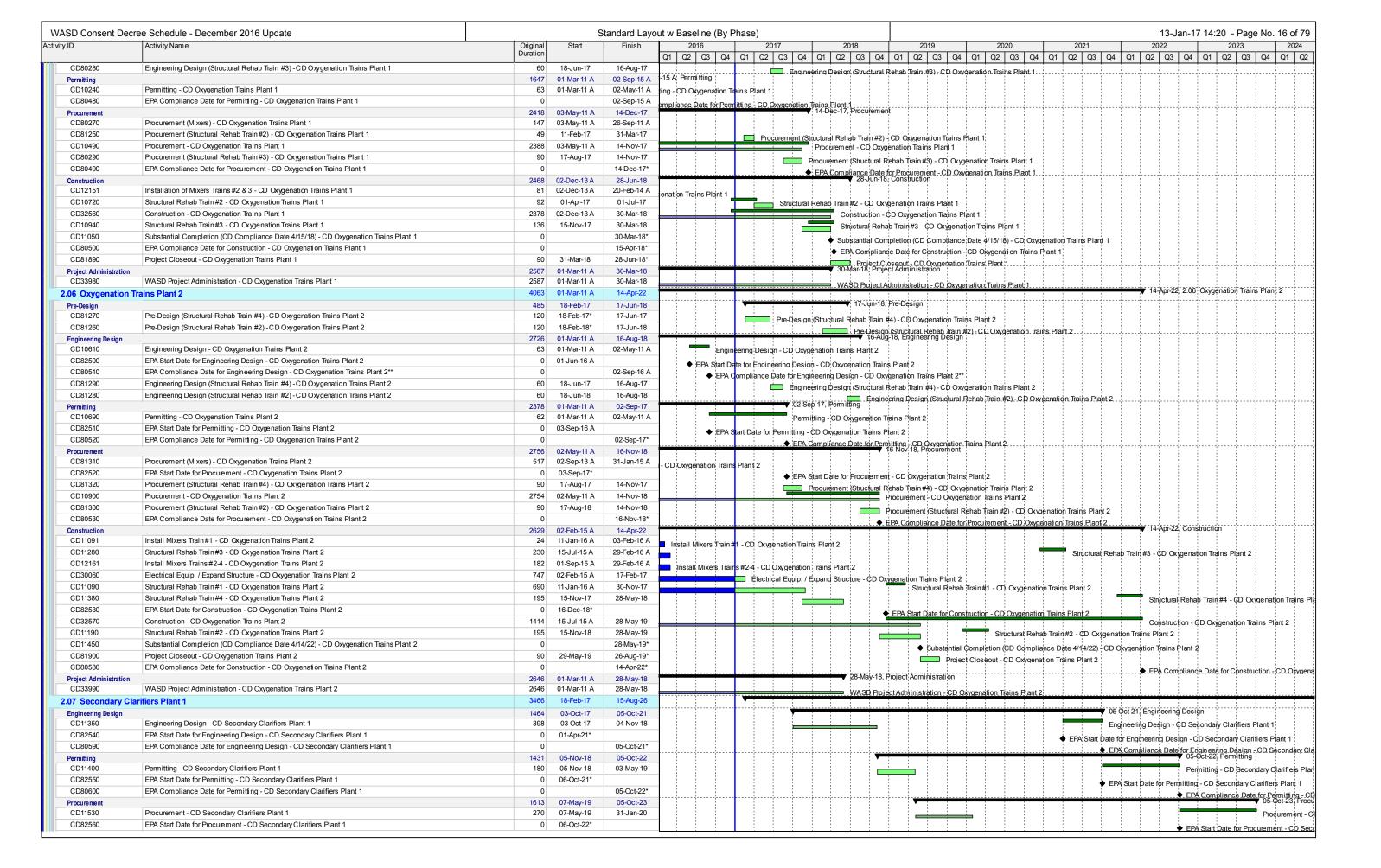
	cree Schedule - December 2016 Update	1 0			out w Baseline (By F	,			7 14:20 - Pa	ge No.
D	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3 Q4	2017 2018 2019 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	2020 2021 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q	2022	2023	1 04
SD43390	EPA Start Date for Construction - SD Chlorine Contact Chamber	0	09-Apr-19*		Q1 Q2 Q3 Q4			22 Q3 Q4	Q1 Q2 Q3	Q4
SD10370	Construction - SD Chlorine Contact Chamber Struct. Rehab	1547	05-Jan-16 A	30-Mar-20		► EPA Start Date f	for Construction - SD Chlorine Contact Chamber Construction - SD C	hlorine Contact	Chamber Struct	Rehah
SD10530	Substantial Completion (CD Compliance Date 6/18/21) - SD Chlorine Contact Chamber	0		30-Mar-20*				1 1	1 1 1	1 1
SD40110	Project Closeout - SD Chlorine Contact Chamber	90	31-Mar-20	28-Jun-20*	1		Substantial Completion (CD Compliance Date 6/1 Project Closeout - SD Chlorine Contact Cha		ine Contact Char	nper
SD42410	EPA Compliance Date for Construction - SD Chlorine Contact Chamber	0		18-Jun-21*			♣ EPA Compliance Da	1 1	on SD Chlorina	Contact
Project Administration	1.	1733	01-Oct-15 A	28-Jun-20	1 1		28-Jun-20, Project Administration	ate for Constituci	DIT = 30. GIIII 100	Cunact
SD35130	WASD Project Administration - SD Chlorine Contact Chamber	1733	01-Oct-15 A	28-Jun-20			- WASD Project Administration - SD Chlorine	Contact Chamb	er	
, ,	Contact Chamber Actuator Replacement	495	24-Aug-15 A	15-Apr-17		15-Apr-17, 1.12 (1) Chlorine Contact Chamber Actuator Replacen	nent			
Engineering Design		29	01-Oct-15 A	30-Oct-15 A	Oct-15 A, Engineering D	ign				
SD41900	Engineering Design - Actuators Technical Data	30	01-Oct-15 A	30-Oct-15 A	gineering Design - Actua Oct-15 A, Permitting	rs Technical Data	ļļļļ <u> </u> <u> </u>		ļļļ	
Permitting		29	01-Oct-15 A	30-Oct-15 A	Oct-15 A, Permitting					
SD43410	Permitting -Actuators	30	01-Oct-15 A	30-Oct-15 A	04-Jan-16 A, Procuren	Permitting - Actuators			ļļļ	
Procurement SD41600	Procurement - Actuators	133	24-Aug-15 A 24-Aug-15 A	04-Jan-16 A						1 1
Construction	Floculement - Actualus	361	05-Jan-16 A	04-Jan-16 A 15-Apr-17	Procurement - Actuato	15-Apr-17, Construction	ł			
SD41630	Construction - Actuators (inc. Electrical)	361	05-Jan-16 A 05-Jan-16 A	15-Apr-17						1 1
	Contact Chamber Structural Rehab & Sluice Gates Replacement	1365	05-Jul-16 A	30-Mar-20		Construction - Actuators (inc. Electrical)	30-Mar-20, 1.12 (2) Chlorine Contact Chamber Str	uctural Rehab &	Sluice Gates Re	placeme
Pre-Design	Sonitact Chamber Structural Kenab & Stuice Gates Replacement	1078	05-Jul-16 A	17-Jun-19		▼ 17-Jun-19.	Pre-Design		 	
SD42720	Pre-Design Contact Chamber #4 - Structural Rehab	150	05-Jul-16 A	16-Jan-17	<u> </u>					
SD42730	Pre-Design Contact Chamber #3 - Structural Rehab	120	18-Feb-17*	17-Jun-17		Pre-Design Contact Chamber #4 - Structural Rehab Pre-Design Contact Chamber #3 - Structural Rehab				
SD42740	Pre-Design Contact Chamber #2 - Structural Rehab	120	18-Feb-18*	17-Jun-18	1		Trustural Bohah			
SD42750	Pre-Design Contact Chamber #1 - Structural Rehab	120	18-Feb-19*	17-Jun-19	1	Pre-Design Contact Chamber #2 - S				
ngineering Design		942	17-Jan-17	16-Aug-19		Pre-Design	Contact Chamber#1 - Structural Rehab -19, Engineering Design		 	
SD41890	Engineering Design Contact Chamber #4 - Structural Rehab	25	17-Jan-17	10-Feb-17	1	Final modeling Decision Control Chamber W4 Structural Device				
SD42760	Engineering Design Contact Chamber #3 - Structural Rehab	60	18-Jun-17	16-Aug-17		Engineering Design Contact Chamber #4 - Structural Rehab Engineering Design Contact Chamber #3 - Structural Reh	noh .			
SD42770	Engineering Design Contact Chamber #2 - Structural Rehab	60	18-Jun-18	16-Aug-18						
SD42780	Engineering Design Contact Chamber #1 - Structural Rehab	60	18-Jun-19	16-Aug-19		Engineering Design Contact Ch.				
rocurement		820	17-Aug-17	14-Nov-19			ering Design Contact Chamber #1 - Structural Rehab 14-Nov-19, Procurement		 	
SD41620	Procurement Contact Chamber #4 - Struct. Rehab	49	17-Aug-17	04-Oct-17	1	Procurement Contact Chamber #4 - Struct. Rehab				
SD41610	Procurement - Sluice Gates	90	17-Aug-17	14-Nov-17		Procurement - Sluice Gates				
SD42790	Procurement Contact Chamber #3 - Struct. Rehab	90	17-Aug-17	14-Nov-17	1	Procurement Contact Chamber #3 - Struct. Rehab				
SD42800	Procurement Contact Chamber #2 - Struct. Rehab	90	17-Aug-18	14-Nov-18		Procurement Contact Chamber #3 - Struct. Renab	m har #2 Struct Bahah			
SD42810	Procurement Contact Chamber #1 - Struct. Rehab	90	17-Aug-19	14-Nov-19	1					-
Construction		908	05-Oct-17	30-Mar-20		V	Procurement Contact Chamber #1 - Struct, Rehab		1 1 1 1	
SD41650	Construction Contact Chamber #4 - Structural Rehab	92	05-Oct-17	04-Jan-18		Construction Contact Chamber #4 - Structural F	Rehah			
SD41640	Construction - Sluice Gates	136	15-Nov-17	30-Mar-18		Construction - Sluice Gates	l l l l l l l l l l l l l l l l l l l			
SD42820	Construction Contact Chamber #3 - Structural Rehab	136	15-Nov-17	30-Mar-18		Construction Contact Chamber #3 - Struc	tural Rehab			
SD42830	Construction Contact Chamber #2 - Structural Rehab	136	15-Nov-18	30-Mar-19			ntact Chamber #2 - Structural Rehab			1 1
SD42840	Construction Contact Chamber #1 - Structural Rehab	137	15-Nov-19	30-Mar-20		Constitution	Construction Contact Chamber #1 - Structural Rich	nah		
Central Distric	ict WWTP	6055	01-Mar-11 A	27-Sep-27	1 1				1 1 1	1 1
	is Electrical Improvements	2170	11-Jun-14 A	01-May-20			01-May-20, 2.01 Miscellaneous Electrical Impro	vements		
Engineering Design	S Electrical improvements	1121	11-Jun-14 A	15-Sep-17		15-Sep-17, Engineering Design	 			
CD82340	EPA Start Date for Engineering Design - CD Misc. Elect. Improvements	0	01-Jan-17*	10 CCP 17	-					
CD42420	EPA Compliance Date for Engineering Design - CD Misc. Elect. Improvements	0		20-Jun-17*	-	EPA Start Date for Engineering Design - CD Misc. Elect. Improvements				
CD10160	Engineering Design - CD Misc. Elect. Improvements	1121	11-Jun-14 A	15-Sep-17			act. Improvements			
Permitting		974	18-Dec-15 A	20-Jun-18		20-Jun-18, Permitting	<u> </u>			
CD82350	EPA Start Date for Permitting - CD Misc. Elect. Improvements	0	21-Jun-17*			◆ EPA Start Date for Permitting - CD Misc. Elect, Improvement				
CD10330	Permitting - CD Misc. Elect. Improvements	774	18-Dec-15 A	27-Nov-17		Permitting - CD Misc. Elect. Improvements				
CD42430	EPA Compliance Date for Permitting - CD Misc. Elect. Improvements	0		20-Jun-18*						
Procurement		1346	24-Jul-15 A	20-Jun-19		◆ EPA Compliance Date for Permitting 20-Jun-19,	Procurement			
CD82360	EPA Start Date for Procurement - CD Mis c. Elect. Improvements	0	21-Jun-18*		1	◆ EPA Start Date for Procurement - CD	Misc Flect Improvements			
	Procurement - CD Misc. Elect. Improvements	1081	24-Jul-15 A	28-Sep-18			ent - CD Misc. Elect. Improvements			
CD10560				20-Jun-19*		♠ FPA Comp	Niance Date for Progressent - CD Misc. Fleet Improvemen	nts		
CD10560	EPA Compliance Date for Procurement - CD Misc. Elect. Improvements	0		04 May 20	V	▼ . C (A ,00m)	liance Date for Procurement - QD Misc. Elect, Improvement 01-May-20, Construction		1 1 1	
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CD10560 CD42440	EPA Start Date for Construction - CD Misc. Elect. Improvements Construction - CD Misc. Elect. Improvements Substantial Completion (CD Compliance Date 3/06/20) - CD Misc. Elect. Improvements	1655 0 1583	21-Jun-19*	01-Feb-20 01-Feb-20*		◆ EPA Start [Construction - CD Misc. Elect. Improvements ◆ Substantial Completion (CD Compliance Date 3/06/20 ◆ EPA Compliance Date for Construction - CD Misc. E	Elect. Improvem	1 1 1	S
CD10560 CD42440 Construction CD82370 CD10810 CD10960 CD42450 CD40000 Project Administration	EPA Start Date for Construction - CD Misc. Elect. Improvements Construction - CD Misc. Elect. Improvements Substantial Completion (CD Compliance Date 3/06/20) - CD Misc. Elect. Improvements EPA Compliance Date for Construction - CD Misc. Elect. Improvements Project Closeout - CD Misc. Elect. Improvements	1655 0 1583 0	21-Jun-19* 29-Jan-16 A	01-Feb-20 01-Feb-20* 06-Mar-20*		◆ EPA Start [Construction - CD Misc. Elect. Improvements Substantial Completion (CD Compliance Date 3/06/20	Elect. Improvem	1 1 1	S
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CD10560 CD42440 Construction CD82370 CD10810 CD10960 CD42450 CD40000 Project Administration	EPA Start Date for Construction - CD Mis c. Elect. Improvements Construction - CD Misc. Elect. Improvements Substantial Completion (CD Compliance Date 3/06/20) - CD Misc. Elect. Improvements EPA Compliance Date for Construction - CD Misc. Elect. Improvements Project Closeout - CD Misc. Elect. Improvements WASD Project Administration - CD Misc. Elect. Improvements	1655 0 1583 0 0 0 90 1686	21-Jun-19* 29-Jan-16 A 02-Feb-20 01-Oct-15 A	01-Feb-20* 01-Feb-20* 06-Mar-20* 01-May-20*		1 (1) Substations 1 & 2	Construction - CD Misc. Elect. Improvements Substantial Completion (CD Compliance Date 3/06/20 EPA Compliance Date for Construction - CD Misc. Elect. Improvement 01-May-20, Project Administration	Elect. Improvements.	1 1 1	5
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ty ID	Activity Name	Original Duration	Start	Finish	2016	201		2018	04 01 0	2019	2020	03 04 01	2021 Q2 Q3 Q4 Q1	2022	2023	
Construction		197	29-Jan-16 A	05-May-16 A		A, Construction	40 4. 4	42 40	4. 4.	42 40 4.	4. 42 4		40 41 41	42 40 41	1 4. 1 42	40 4.
CD40280	Construction - Substations 1 & 2 (WASD) - C D Misc. Elect.Improvements	198	29-Jan-16 A	05-May-16 A	Construction	on - Substations 1	1 & 2 (WASD) -	CD Misc. Elec	t.Improvements	s	.iii					
.01 (2) Substations	s 3, 4A, 4B, 5 & 6 (Project 2.27(2))	1189	27-Sep-16 A	01-Feb-20							01-Feb-20,	2.01 (2) Substa	itions 3, 4A, 4B, 5 & 6 (Pro	ject 2.27(2))		
Engineering Design		185	27-Sep-16 A	02-Jun-17	T		02-Jun-17, Engi	ineering Desig	n							
CD70450	Engineering Design Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	185	27-Sep-16 A	02-Jun-17	ļ .	i i	Engineering De	sign Substatio	ns 3, 4A, 4B, 5,	.&.6 CD. Misc	. Elect.Improvem	ents				
Permitting CD70460	Permitting Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	50 50	22-Aug-17 22-Aug-17	10-Oct-17 10-Oct-17					1 1 1	1 1						
Procurement	Familing Substations 5, 4A, 4D, 5, & 0 - CD MISC. Electimprovements	270	06-Jun-17	02-Mar-18	 	···	Permit	ting Substatior ▼ 02-Mar-18,	ıs 3, 4A, 4B, 5, 8 Procurement	& 6 CD Misc.	Elect.Improveme	ents				
CD70470	Procurement Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	270	06-Jun-17	02-Mar-18			1 1	Dragutoma	at Cubaltations 3	1 4 4 5 6 9 6	CD Miss Flor	ut link many colon a met]			
Construction		450	09-Nov-18	01-Feb-20			1 1	_ Ploquieme	or Shortanous 3	1,4A,4b, 3, & C	CD Misc. Election 01-Feb-20,	Construction	\$	{ 	444-	
CD70480	Construction Substations 3, 4A, 4B, 5, & 6 - CD Misc. Elect.Improvements	450	09-Nov-18	01-Feb-20						<u>i i </u>	Christnictic	n Substations	3 4A 4B 5 & 6 - CD Mis	c Flect Improver	ments	
01 (3) Substations	s 9 & 10 (Project 2.10(1))	1152	11-Mar-16 A	06-May-19	1 1 1	1 1	1 1	1 1	1 1 1	▼ 06-May-19, 2	.01 (3) Substatio	ns 9 & 10 (Proje	3, 4A, 4B, 5, & 6 - CD Mis ect 2.10(1))	1 1		
Engineering Design		329	11-Mar-16 A	02-Feb-17		02-Feb-17	7, Engineering	Design								
CD40850	Engineering Design Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	329	11-Mar-16 A	02-Feb-17	ļ	Engineeri	ing Design Sub	stations 9.& 1	0 (2.10) - CD Mi	sc. Elect.Impro	vements		ļļļ	ļ		
ermitting	Description Orbitalisms Of 40 (0.40). OD Minn Float Improvements	402	18-Jul-16 A	23-Aug-17			23-Aug-17	, Permitting								
CD40930	Permitting Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	402	18-Jul-16 A	23-Aug-17		1 1	Permitting	Substations 9	2 & 10 (2.10) - C ay-18, Procurem	D Misc. Elect.li	nprovements				.444	
rocurement CD41010	Procurement Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	270 270	27-Aug-17 27-Aug-17	23-May-18 23-May-18			<u> </u>									
onstruction	Todalsinent custations of a 10 (2.16) of mice. Electrimipotentiality	348	24-May-18	06-May-19				Procu	rement.Substat	ions.9.&.10.(2.1 ▼ 06-May-19, 0	0) - CD Misc. Ele	ect.Improvemer	nts		++	
CD40760	Construction Substations 9 & 10 (2.10) - CD Misc. Elect.Improvements	348	24-May-18	06-May-19						Construction	Cubatations 0 8	10 (2 10) CD	Mice Cleat Improvement			
01 (4) Substations	is 11 & 12 (Project 2.11)	1090	24-Aug-16 A	18-Aug-19	T				1 1 1	18-Au	g-19, 2.01 (4) Su	ostations 11 &	Misc. Elect Improvements 12 (Project 2.11)		1 1 1	
ngineering Design		316	24-Aug-16 A	05-Jul-17	*	++++	' 05-Jul-17, En	gineering Desi	gn				1111			
CD40860	Engineering Design Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	316	24-Aug-16 A	05-Jul-17		1	Engineering [Design Substat	tions 11 & 12 (2	11) - CD Misc.	Elect.Improveme	ents				
ermitting		180	06-Jul-17	01-Jan-18		7	0	1-Jan-18, Pem	nitting		Elect Jm proveme					
CD40940	Permitting Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	180	06-Jul-17	01-Jan-18	1		. F	Permitting Subs	stations 11.& 12	(2.11) - CD Mis	c Elect Improve	ments	<u> </u>	<u> </u>		
Procurement		270	02-Jan-18	28-Sep-18					▼ 28-Sep-18, P	rocurement						
CD41020	Procurement Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	270	02-Jan-18	28-Sep-18					Procurement	Substations 1:	L& 12 (2.11) - CD q-19, Construction	Misc. ElectJm	provements.			
CD40740	Construction Substations 11 & 12 (2.11) - CD Misc. Elect.Improvements	324 324	29-Sep-18 29-Sep-18	18-Aug-19 18-Aug-19					1			1 1				
		1413	11-Jun-14 A	23-Apr-18	<u> </u>			23-Apr-1	18, 2.01 (5) Subs	Cons	truction Substation (Project 2.15(1)	ns 11 & 12 (2.1	1) - CD Misc. Elect Impro	vements		
or (5) Substations	s 15 & 16 (Project 2.15(1))	475	11-Jun-14 A	29-Sep-15 A	ep-15 A, Engineering [Design										
CD40880	Engineering Design Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	476	11-Jun-14 A	29-Sep-15 A	- : : :	1 1	. 45									
Permittina		329	30-Sep-15 A	24-Aug-16 A	neering Design Substa 24-A	tations_15.&_16.(2 Aug-16 A,;Permitt	ting	:_Elect.Improve	ements				1111		++	
CD40960	Permitting Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	330	30-Sep-15 A	24-Aug-16 A	Pom	mitting Substatio	ne 15 & 16 /2 1	15) CD Misc	Elect Improvem	ente						
Procurement		204	15-Apr-16 A	30-Oct-16 A	- 1.CI	mitting Substatio 30-Oct-16 A, Pro	ocurement	IOI FOR MIGG.	Liter Coldinates	Cuis						
CD41040	Procurement Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	204	15-Apr-16 A	30-Oct-16 A		Procurement Su	ubstations 15 &	16 (2.15) - CD	Misc. Elect.lm	provements				<u> </u>	.11	
Construction		450	31-Oct-16 A	23-Apr-18				23-Apr-1	18, Construction	'						
CD40750	Construction - Substations 15 & 16 (2.15) - CD Misc. Elect.Improvements	450	31-Oct-16 A	23-Apr-18				Constru	otion - Substatio	ons 15 & 16 (2.	15) - CD Misc El ubstations 17 & 1	ect Improveme	nts.			
	s 17 & 18 (Project 2.19(2)a)	1303	04-Jun-15 A	27-Dec-18	02	-Sep-16 A, Engine	ooring Decign		27-Dec				(4.)a)			
Engineering Design CD40890	Engineering Design Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	457 457	04-Jun-15 A 04-Jun-15 A	02-Sep-16 A 02-Sep-16 A	- : : :	1 71	7 7									
Permitting	Engineering Design Substations 17 & 16 (2.19) - CD Misc. Elect.improvements	242	10-May-16 A	02-Sep-10 A 06-Jan-17	. Eng	gineering Design 06-Jan-17,	Substations 1. Permitting	7. & 18. (2.19) =	CD Misc Elect	Improvements						
CD40970	Permitting Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	242	10-May-16 A	06-Jan-17		1 : :	1 1	1 1	1 1 1	1 1						
Procurement		148	16-Sep-16 A	07-Mar-17		Permitting : 07-Mår	Substations 1.7 r-17, Procurem 6	/ & 18 (2.19) - (ent	CD Misc. Elect.	mprovements.					++-	
CD41050	Procurement Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	148	16-Sep-16 A	07-Mar-17	1	1 1	1 1	1 1	1 1 1	1 1	nente					
Construction		660	08-Mar-17	27-Dec-18	1	Viiiocole	enterii zanzaran	LUIJ5 - 17 - 04 - 10 - (2	219) - CD Misc. 27-Dec	c-18, Construct	on .					
CD40770	Construction Substations 17 & 18 (2.19) - CD Misc. Elect.Improvements	660	08-Mar-17	27-Dec-18					Const	uction Substati	ohs 17 & 18 (2.1	9) - CD Misc. E	lect.Improvements	ļ <u>.</u>	.11	
.01 (7) Substations	s 7A, 8A, 9A, & 10A	870	28-Feb-17	17-Jul-19		V :			1 1 1	▼ 17-Jul-1	9, 2.01 (7) Subst		lect Improvements 9A, & 10A		.ii	
Engineering Design		200	28-Feb-17	15-Sep-17		1 1	1 1	17, Engineering								
CD40840	Engineering Design Substations 7A, 8A, 9A, & 10A - CD Misc. Elect.Improvements	200	28-Feb-17*	15-Sep-17			Enginee	ring Design Su	hstations.7A, 8	A, 9A, & 10A - 0	D_Misc_Elect.In	provements	ļļļļļ.		.444	
Permitting	Description Ordertalisms 7A OA OA OA OA OA OA OA OA OA OA OA OA OA	90	16-Sep-17	14-Dec-17			14	r-Dec-17, Pelli	itung							
CD40920	Permitting Substations 7A, 8A, 9A, & 10A - CD Misc. Elect.Improvements	90	16-Sep-17 15-Dec-17	14-Dec-17			Pe	emitting Subst	ations 7A, 8A, 9	A. & 10A - CD	Misc. Elect.Impo	vements			-444-	
Procurement CD41000	Procurement Substations 7A, 8A, 9A, & 10A - CD Misc. Elect.Improvements	180	15-Dec-17 15-Dec-17	12-Jun-18 12-Jun-18			<u> 1</u>									
Construction	1 local minimum capotation of 71, 51, 51, 51 for 101 minor. Electimprotation to	400	13-Jun-18	17-Jul-19	 			Proc	urement Substa	ations 7A, 8A, 9 17-Jul-1	A, & 10A - CDM 9, Construction	sc.Elect.Impro	ovements		4	
CD40720	Construction Substations 7A, 8A, 9A, & 10A -CD Misc. Elect.Improvements	400	13-Jun-18	17-Jul-19	7			<u> </u>	1 1 1				10A - CD Misc ElectJmr	rovemente		
02 Building Impr	rovements	1306	26-Mar-14 A	17-Sep-17	1 1 1	1 1	17-Sep-1	17, 2.02 Buildi	ng Improvemen	ts Constru	CITION CONDISTRITION	, OA, YA, &	TAN TAN TAN TAN TAN TAN TAN TAN TAN TAN	ייבות בוונציי		
Engineering Design		771	26-Mar-14 A	05-May-16 A	05-May-16 A	A, Engineering D	esign								1 1 1	
CD82380	EPA Start Date for Engineering Design - CD Repairs to Various Buildings**	0	01-May-14 A		CD Repairs to Various	s Buildings**										
CD42460	EPA Compliance Date for Engineering Design - CD Repairs to Various Buildings**	0		18-Oct-14 A	gineering Design - CI	77 1	ious Buildinas*	**								
CD10130	Engineering Design - CD Repairs to Various Buildings	772	26-Mar-14 A	05-May-16 A	Engineering	g Design - CD Re	epairs to Variou									
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CD82390	EPA Start Date for Permitting - CD Repairs to Various Buildings	0	19-Oct-14 A		- CD Repairs to Vario	ous Buildings										
CD10290	Permitting - CD Repairs to Various Buildings	620	13-Oct-14 A	23-Jun-16 A		mi t ing - CD Rep	pairs to Various	Buildings								
CD80310	EPA Compliance Date for Permitting - CD Repairs to Various Buildings	0		27-Aug-16 A	◆ EPA	A Compliance Da 31-Jan-17	ate for Permittin	ng - CD Repair	s.to Various Bui	ldings			ļļļ	<u> </u>	444	
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CD82400	EPA Start Date for Procurement - CD Repairs to Various Buildings	0	19-Oct-15 A	04.5	Start Date for Procure											
CD10530	Procurement - CD Repairs to Various Buildings	907	03-Jun-14 A	21-Dec-16 A			ent - CD Repa		1 1							
CD80320	EPA Compliance Date for Procurement - CD Repairs to Various Buildings	0	100::::	31-Jan-17*			pliance Date f	or Procuremen	tCD Repairs.t	o. Various. Build	ings			ļļļ	.444.	
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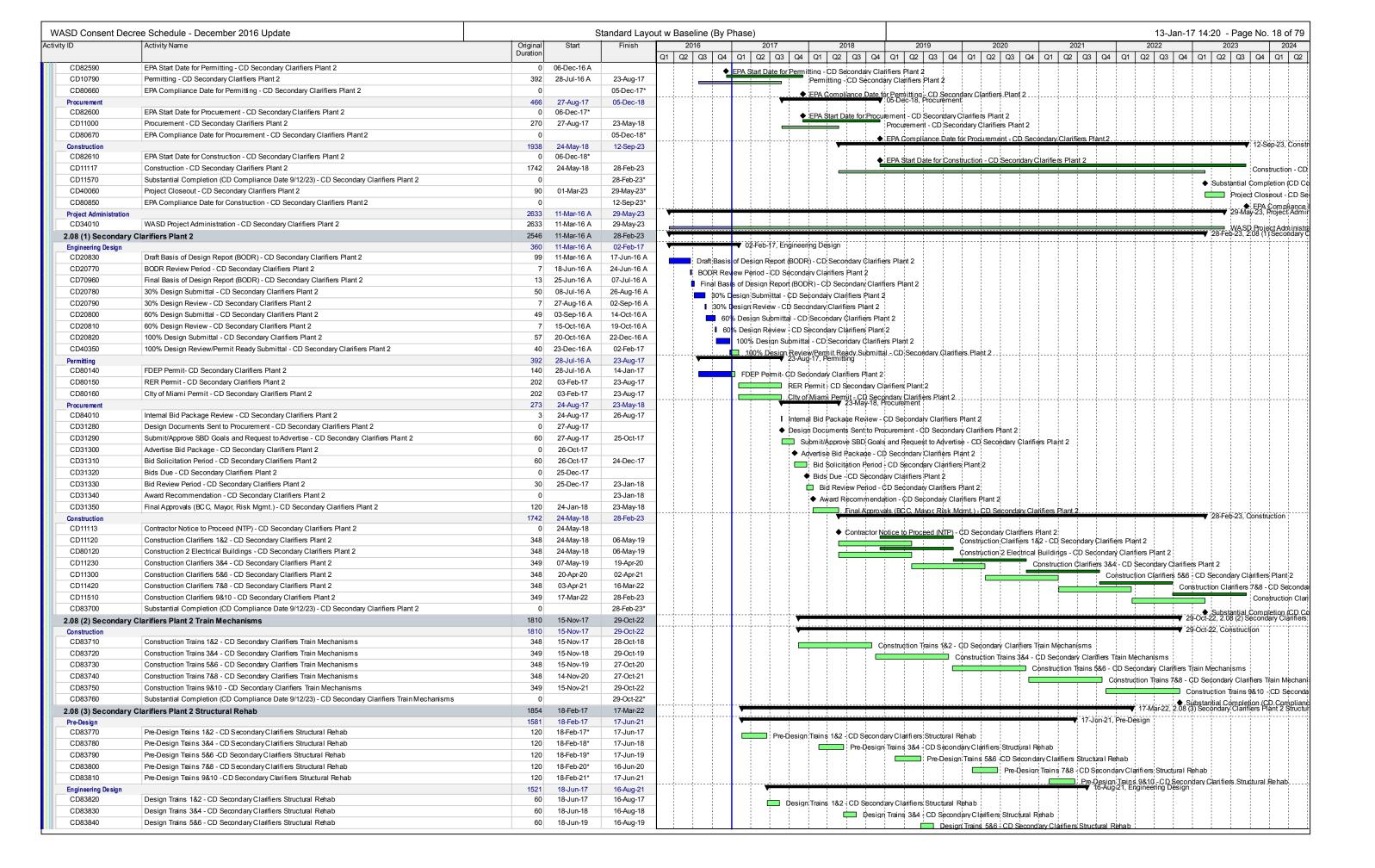
WASD Consent De	ecree Schedule - December 2016 Update		;	Standard Lay	out w Baselin	e (By Phase	:)													13-Jan	า-17 1	4:20 -	Page	No. 13	of 79
ctivity ID	Activity Name	Original Duration	Start	Finish	2016		201			2018		2019			2020		2021			2022)23		2024
CD82410	EPA Start Date for Construction - CD Repairs to Various Buildings	0	18-Oct-16 A		Q1 Q2 Q								Q3 Q4	Q1	Q2 Q3 C	Q4 Q1	Q2 Q3	3 Q4 C	Q1 Q2	Q3 Q	Q4 Q	Q1 Q2	Q3	Q4 Q1	1 Q2
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CD80330	EPA Compliance Date for Construction - CD Repairs to Various Buildings	0		06-Sep-17*	1						r.Construct	!!!	!	1 1	pairs to Various	s Buildings	5								
2.02 (1)a CD Build	ding Improvements - Admin Asbestos Abatement	432	26-Mar-14 A	01-Jun-15 A	2.02 (1)a CD Bu	uilding Improver	nents -	Admin Asb	estos Abat	tem ent	ii.Constituct	1011 (20.	Repails i	o valious	Buildings					-		1	† <u>-</u>		
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CD11002	Engineering Design - CD Adm in Asbestos Abatement	199	26-Mar-14 A	10-Oct-14 A	m in Asbestos A	Abatement	l.														j		ll.		
Permitting		79		31-Dec-14 A		.																			
CD11012	Permitting - CD Admin Asbestos Abatement	80		31-Dec-14 A	ment	Permitting -	CD Adm	nin Asbesto	s Abateme	ent		. -											ļ		
Procurement CD21720	Bid & Award Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement	256 64		14-Feb-15 A 05-Aug-14 A																					
CD21720 CD30000	Bid & Award Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	62	15-Dec-14 A	14-Feb-15 A	1 1 1	O Admin Asbest	- 1	1																	
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CD21170	Asbestos Abatement (Phase 1) - CD Admin Asbestos Abatement	60	16-Oct-14 A	14-Dec-14 A	- A) OB A4																				
CD30010	Asbestos Abatement (Phase 2) - CD Admin Asbestos Abatement	39	24-Apr-15 A	01-Jun-15 A		min Asbestos A			nt																
2.02 (1)b CD Adm	inistration Building Interior Improvements	1302	26-Mar-14 A	17-Sep-17	alement (r.nase	2) - CD Admin	ASUESIL	17-Se	p-17, 2.02	(1)b CD	Administra	tion Build	ding Inter	ior Improv	ements								† <u>-</u>		
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CD11004	Engineering Design (Remodel) - CD Administration Interior Improvements	67	26-Jan-15 A	02-Apr-15 A	an (Remodel) -	CD Administrat	ion.Inte	rior Improve	ments]		<u> </u>		
Permitting		195		14-Oct-15 A	Oct-15 A, Permit	tting													-						
CD11014	Permitting (Remodel) - CD Administration Building Interior Improvements	196	· .	14-Oct-15 A	mitting (Remod	el) - CD. Admini 23-Nov	stration	Building Jn	terior.Impre	ovement	s	.ļļ.											ļļ.		
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CD30860 CD30870	Design Documents Sent to Procurement - CD Administration Building Interior Improvements Submit/Approve SBD Goals and Request to Advertise - CD Administration Building Interior Improvements	95	02-Nov-15 A 02-Nov-15 A	04-Feb-16 A		ts Sent to Procu						1 1	1						-						
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CD30880 CD30890	Advertise Bid Package - CD Administration Building Interior Improvements Bid Solicitation Period - CD Administration Building Interior Improvements	120		02-Jul-16 A		Bid Package - I			1		1 1	1 1													
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CD30910	Bid Review Period - CD Administration Building Interior Improvements	47		18-Aug-16 A	1 : :	Bids Due CD A				- 1	: :														
CD80340	Rebid Solicitation Period - CD Administration Building Interior Improvements	34		21-Sep-16 A	1 1	Bid Review P		1		1	1 1	1 1													
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CD80360	Rebid Review Period - CD Administration Building Interior Improvements	31	•	18-Oct-16 A	1	Rebids Du		1		** (1 1	1 1													
CD30920	Award Recommendation - CD Administration Building Interior Improvements	0		18-Oct-16 A	1	Rebid Re	i	i i	i	i	- 1	i ' i	i												
CD11022	Bid & Award Building Remodel - CD Administration Building Interior Improvements	386	02-Nov-15 A	23-Nov-16 A		Award Re		!	!	!	stration Buil	1 .	!	1 1											
CD30930	Final Approvals - CD Administration Building Interior Improvements	30	19-Oct-16 A	23-Nov-16 A				1 -		1	1 1	1 7 1	1.7	vements											
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CD11031	Contractor Notice to Proceed (NTP) - CD Administration Building Interior Improvements	0	22-Dec-16 A		1	Conf	ractor N	otice to Pro	ceed (NTF	; P) - CD A	dminis tratio	n Buildir	; na Interior	; r Improve	ments										
CD11032	Construction (Remodel) - CD Administration Building Interior Improvements	210	22-Dec-16 A	18-Aug-17				1 1		11	CD Adminis	1 1	- !	1.1	: :										
CD11042	Substantial Completion (CD Compliance Date 9/06/17) - CD Administration Building Interior Improvements	0		18-Aug-17*			- 1	1			1 1	1 1	1	1 1	ninistration Bu	uildina Inte	rior Impro	vements						i	
CD40010	Project Closeout - CD Administration Building	30	19-Aug-17	17-Sep-17*						- 1	dministration	: :						.]]					<u> </u>		
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	c. Roof Improvements	1008		19-Oct-16 A	23.1	May-16 A, Procu																	ļļ.		
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CD33670	Construction - CD Misc. Roof Repairs	1008		19-Oct-16 A	_unuing Root Re	pairs - CD Misc	K001 l	_	ruction - C	D Misc	Roof Repai	rs													
CD30030	Maintenance Building Roof Repairs - CD Misc. Roof Repairs	159	·	19-Oct-16 A		Maintona	nce Pl	1 1		1	. Roof Repa	1 1					i								
CD30040	Operation & Control Building Roof Repairs - CD Misc. Roof Repairs	190		19-Oct-16 A	1								,				!								
2.02 (2) Remodel	Bathrooms, Locker Rooms & Showers	1038	19-Dec-14 A	14-Sep-17	1 1		ا ۷۲۷ حد مد	14-Se	p-17, 2.02	(2) Rem	Misc. Roo odel Bathro	oms, Lo	cker Rooi	ms & Sho	wers]					
Pre-Design		176		13-Jun-15 A	Pre-Design							[1											
CD11242	Pre-Design - CD Misc. Building Improvements	177		13-Jun-15 A	CD Misc. Build	ding Improveme ay-16 A, Engine	nts				ļ	ļļ.		<u>i</u> .									ļļ.		
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CD32480	Engineering Design Phase I - CD Misc. Building Improvements	44		27-Jul-15 A	1 1	se I - CD Misc.							}												
CD11104	Negotiate Phase II Design - CD Misc. Building Improvements	51	27-Jul-15 A	15-Sep-15 A	_iate Phase II De	esign - CD Misc	. Buildi	ng Improve	ments																
CD32490	Engineering Design Phase II - CD Misc. Building Improvements	98	·	22-Dec-15 A		esign Phase II -																			
CD11102 Permitting	Engineering Design (Summary) - CD Misc. Building Improvements	328 49		05-May-16 A 23-Jun-16 A	Engin	neering D <mark>e</mark> sign (3-Jun-16 A, Perr	oumma nittina	ary) - CD Mi	sc. Buildir	ıg ım pro	vernents	·}											 -		
CD11112	Permitting - CD Misc. Building Improvements	50		23-Jun-16 A 23-Jun-16 A		Permitting - (Building	mprovema	ente															
CD80380	COM Permit - CD Misc. Building Improvements	49		23-Jun-16 A		1 1	- 1	1 1		1				1 1					-						
CD80370	RER DERM Permit - CD Misc. Building Improvements	15	•	23-Jun-16 A		OM Permit - CD							i												
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CD30340	Design Documents Sent to Procurement - CD Misc. Building Improvements	0			7 4	Design Docu	mento 9	Sent to Pro	urement	CD Mie	Building	mpmyam	nents				 								
CD30350	Submit/Approve SBD Goals and Request to Advertise - CD Misc. Building Im provements	7	22-Aug-16 A	28-Aug-16 A	1 1	Submit/Appro	i	1	i	i i		i i	- 1	vemente											
CD30360	Advertise Bid Package - CD Misc. Building Improvements	0	29-Aug-16 A		1 1 1	◆ Advertise Bio		1	1.5			JJ. Duilu		Control											
CD30370	Bid Solicitation Period - CD Misc. Building Improvements	44	29-Aug-16 A	18-Oct-16 A		Big Solici							-												
CD30380	Bids Due - CD Misc. Building Improvements	0	18-Oct-16 A			♦ Bids Due	- 1	1	i i	- 1	333		}												
CD30390	Bid Review Period - CD Misc. Building Improvements	15	18-Oct-16 A	26-Oct-16 A		■ Bid Revis		1	9		ements														
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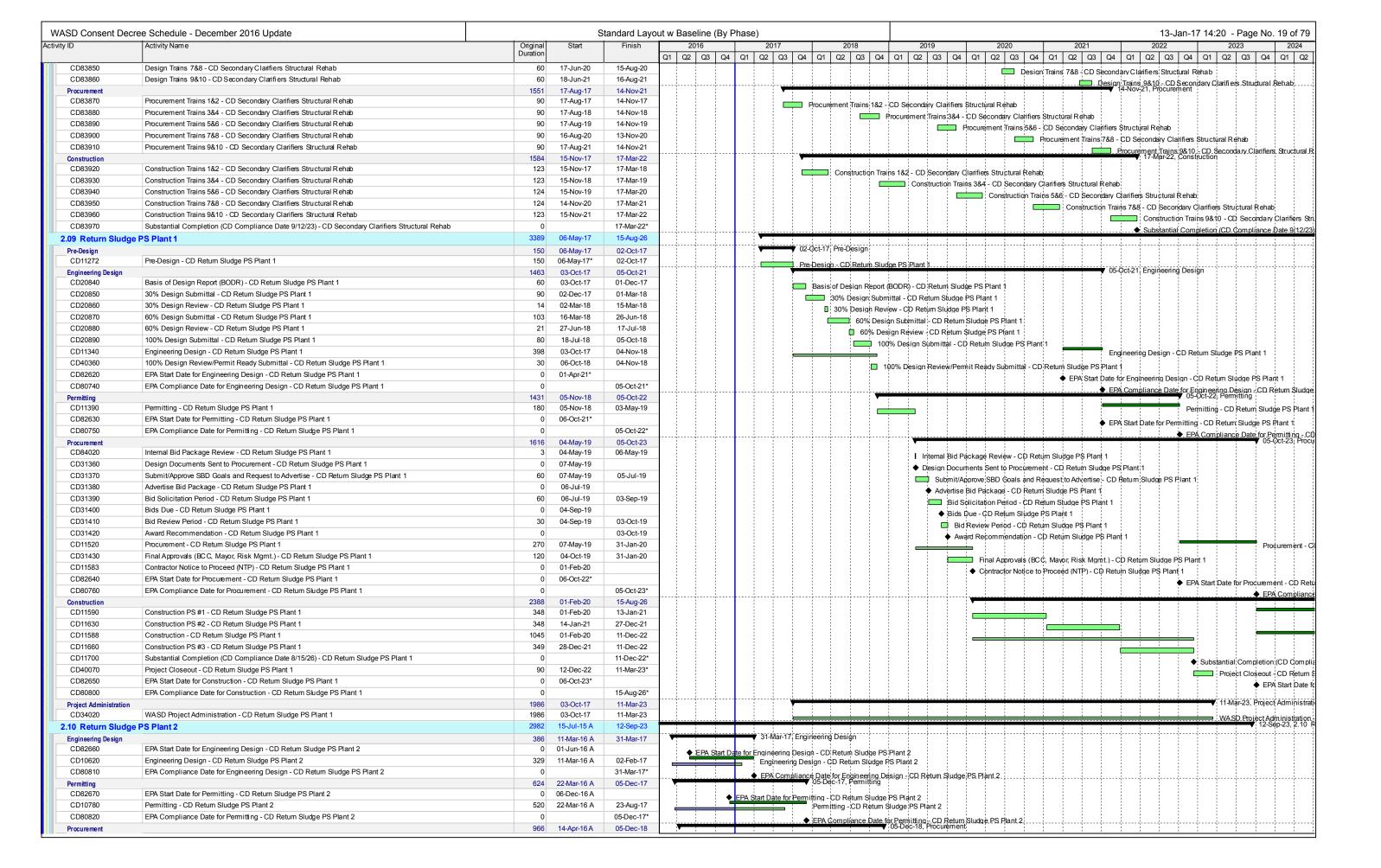
	cree Schedule - December 2016 Update			out w Baseline (By Phase)	13-Jan-17 14:20 - Page No. 14 of
tivity ID	Activity Name	Original Start Duration	Finish	2016 2017 2018	2019 2020 2021 2022 2023 202
CD11122	Procurement - CD Misc. Building Improvements	156 23-Jun-16 A	21-Dec-16 A		Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 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 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q3<
CD11122 CD30410	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Misc. Building Improvements	30 27-Oct-16 A	05-Jan-17	Procurement - CD Miso. Building Improvements	
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CD30420	Contractor Notice to Proceed (NTP) - CD Misc. Building Improvements	0 18-Jan-17*	14-Зер-17		
CD11132	Construction - CD Misc. Building Improvements	180 18-Jan-17	16-Jul-17	◆ Contractor Notice to Proceed (NTP) - CD Misc B Construction - CD Misc Building	
CD11142	2.2 (2) Substantial Completion (CD Compliance Date 9/06/17) - CD Misc. Building Improvements	0	16-Jul-17*	1	
CD40020	Project Closeout - CD Misc. Building Improvements	60 17-Jul-17	14-Sep-17*		Compliance Date 9/06/17) - CD Misc. Building Improvements
Project Administration	· · · · · · · · · · · · · · · · · · ·	861 14-Jun-15 A	14-Sep-17	Project Closeout - CD. Misc. Bui	ilding Improvements.
CD33950	WASD Project Administration - CD Misc. Building Improvements	861 14-Jun-15 A	14-Sep-17		
2.03 Headworks/G	· · · · · · · · · · · · · · · · · · ·	1303 05-Jun-14 A	28-Dec-17	28-Dec-17, 2.03 Headwo	CD Misc, Building Improvements vorks/Grit Basin Plant 1
Pre-Design	on busin Figure 1	122 05-Jun-14 A	05-Oct-14 A		
CD20000	Pre-Design - CD Headworks/Grit Basin Plant 1	123 05-Jun-14 A	05-Oct-14 A		
Engineering Design		514 01-Sep-14 A	28-Jan-16 A	Grit Basin Plant 1. ▼ 28-Jan-16 A, Enginedring Design:	
CD82420	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	0 01-Sep-14 A		Design - CD Headworks/Grit Bas in Plant 1**	
CD20040	Technical Memo #1 - CD Headworks/Grit Basin Plant 1	0 27-Oct-14 A		adworks/Grit Basin Plant 1	
CD20050	Technical Memo #2 - CD Headworks/Grit Basin Plant 1	0 08-Dec-14 A		Headworks/Grit Basin Plant 1	
CD30090	Draft BODR Issued - CD Headworks/Grit Basin Plant 1	0 31-Mar-15 A		ed - CD Headworks/Grit Basin Plant 1	
CD20020	Basis of Design Report - CD Headworks/Grit Basin Plant 1	185 06-Oct-14 A	08-Apr-15 A	1 : : : I : : : : : : : :	
CD20060	Negotiate Final Design - CD Headworks/Grit Basin Plant 1	108 09-Feb-15 A	27-May-15 A	Report - CD Headworks/Grit Basin Plant 1	
CD30270	Issue NTP for Final Design - CD Headworks/Grit Basin Plant 1	0 27-May-15 A		al Design - CD Headworks/Grit Basin Plant 1	
CD30280	Procurement Contract Modification - CD Headworks/Grit Basin Plant 1	1 17-Jun-15 A	17-Jun-15 A	Final Design - CD Headworks/Grit Basin Plant 1	
CD32520	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1	31 17-Jun-15 A	17-Jul-15 A	t Contract Modification -CD Headworks/Grit Basin Plant 1	
CD21110	60% Design Submittal - CD Headworks/Grit Basin Plant 1	52 17-Jun-15 A	07-Aug-15 A	quipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 1	
CD21120	60% Design Review - CD Headworks/Grit Basin Plant 1	12 10-Aug-15 A	21-Aug-15 A	sign Submittal - CD Headworks/Grit Basin Plant 1	
CD20030	100% Design Submittal - CD Headworks/Grit Basin Plant 1	120 21-Aug-15 A	18-Dec-15 A	sign Review - CD Headworks/Grit Basin Plant 1	
CD80390	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 1**	0	05-Jan-16 A	100% Design Submittal - CD Headworks/Grit Basin Plant 1	
CD10050	Engineering Design - CD Headworks/Grit Basin Plant 1	480 06-Oct-14 A	28-Jan-16 A	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Engineering Design - CD Headworks/Grit Basin Plant 1	Plant 1**
CD40320	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 1	41 19-Dec-15 A	28-Jan-16 A		
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CD80400	EPA Start Date for Permitting - CD Headworks/Grit Basin Plant 1**	0 04-Aug-14 A	03-Aug-10 A		
CD82430	EPA Compliance Date for Permitting - CD Headworks/Grit Basin Plant 1**	0	01-Jun-16 A	Headworks/Grit Basin Plant 1**	
CD10220	Permitting - CD Headworks/Grit Basin Plant 1	191 28-Jan-16 A	05-Aug-16 A	► EPA Compliance Date for Permitting - CD Headworks/Grit Basin Permitting - CD Headworks/Grit Basin Plant 1	n Plant 1**
CD80030	City of Miami Building Permit - CD Headworks/Grit Basin Plant 1	190 29-Jan-16 A	05-Aug-16 A		
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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		-Purchase Bid Package (Screening Equipment) - CD Headworks/Gnt Basin I	
CD82440	EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 1	0 06-Jan-16 A		vertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit E	Basih Plant 1
CD32890	Vendor Bid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 1	98 30-Oct-15 A	04-Feb-16 A	EPA Start Date for Produce ment - CD Headworks/Grit Basin Plant 1	
CD32900	VendorNTP (Screening Equipment) - CD Headworks/Git Basin Plant 1	0	04-Feb-16 A	Vendor Bid & Award Screehing Equipment) - CD Headworks/Grit Basin F	Plant 1
CD30430	Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 1	0 07-Mar-16 A	011001071	◆ VendorNTP (Screening Equipment) - CD Headworks/Grit Basin Plant 1	
CD30440	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Git Basin Plant 1	67 28-Mar-16 A	02-Jun-16 A	◆ Design Documents Sent to Procurement - CD Headworks/Grit Basin P	
CD30450	Advertise Bid Package - CD Headworks/Grit Basin Plant 1	0 03-Jun-16 A	02 04.1 1071	Submit/Approve SBD Goals and Request to Advertise - CD Head	dworks/Grit Basin Plant:1
CD30460	Bid Solicitation Period - CD Headworks/Grit Basin Plant 1	46 03-Jun-16 A	18-Jul-16 A	◆ Advertise Bid Package - CD Headworks/Grit Basin Plant 1	
CD30470	Bids Due - CD Headworks/Grit Basin Plant 1	0 19-Jul-16 A	100011071	Bid Solic tation Period - CD Headworks/Grit Basin Plant 1	
CD30480	Bid Review Period - CD Headworks/Grit Basin Plant 1	14 19-Jul-16 A	01-Aug-16 A	◆ Bids Due - CD Headworks/Grit Basin Plant 1	
CD30490	Award Recommendation - CD Headworks/Grit Basin Plant 1	0	01-Aug-16 A	Bid Review Period - CD Headworks/Grit Basin Plant 1	
CD30500	Final Approvals (BC C, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 1	7 02-Aug-16 A	08-Aug-16 A	◆ Award Recommendation - CD Headworks/Grit Basin Plant 1	
CD30300	Procurement - CD Headworks/Grit Basin Plant 1	176 07-Mar-16 A	29-Aug-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/	s/Grit Basin Plant 1
CD10230	P.O. Issued - CD Headworks/Grit Basin Plant 1	0 07-Wai-10 A		Procurement - CD Headworks/Grit Basin Plant 1	
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CD81830	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 1	690 24 Ave 45 A	16-Oct-16 A	◆ EPA Compliance Date for Procurement - CD Headwork	ks/Grit Basín Plant 1
CD30080	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 1	680 21-Aug-15 A	17-Nov-16 A	wner Pre-purchase Screening Equipment - CD Head	adworks/Gnit Basin Plant 1
CD32910	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 1	513 04-Feb-16 A	17-Nov-16 A	Fabricate & Deliver Screening Equipment - CD Head	tworks/Grit Basin Plant 1
CD32820	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 1	60 21-Oct-16 A	17-Nov-16 A	Pre-Purchase Bid Package (RTUs) - CD Headworks/0	/Grit Basin Plant 1
CD32840	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 1	45 18-Nov-16 A	01-Mar-17	Ve ndgr Bid & Award (RTUs) - CD Headworks/0	/Grit Basin Plant t
CD32850	Vendor NTP (RTUs) - CD Headworks/Git Bas in Plant 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	01-Mar-17	◆ VendorNTP (RTUs)-CD Headworks/Grit Bas	sin Plant 1
CD32510	Owner Pre-purchase RTU's - CD Headworks/Grit Basin Plant 1	257 21-Oct-16 A	31-Jul-17	Owner Pre-purchase RTU's - CD He	eadworks/Grit Basin Plant 1
CD32860	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 1	152 02-Mar-17	31-Jul-17	Fabricate & Deliver RTUs - CD Hea 28-Dec-17; Construction	adworks/Gnt Basin Plant 1
CD40200	Install Manhola and Clean out of 04" Ding. CD Handwards /Crit Basin Blant 4	742 18-Dec-15 A	28-Dec-17	Zo-pec-17, Construction	
CD40300	Install Manhole and Clean out of 84" Pipe - CD Headworks/Grit Basin Plant 1	147 18-Dec-15 A	12-May-16 A	Install Manho e and Clean out of 84" Pipe - CD Headworks/Grit Ba	Basin Plant 1
CD10458	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 1	0 30-Aug-16 A		◆ Contractor Notice to Proceed (NTP) - CD Headworks/Grit B	Basin Plant 1
CD82450	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 1	0 17-Oct-16 A		◆ EPA Start Date for Construction - CD Headworks/Grit Ba	Basin Plant 1
CD40790	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 1	396 30-Aug-16 A	29-Sep-17		pe) - CD Headworks/Grit Basin Plant 1
CD10460	Construction - CD Headworks/Grit Basin Plant 1	396 30-Aug-16 A	29-Sep-17	Construction - CD Headworks	s/Grit Basin Plant 1
CD10920	Substantial Completion (CD Compliance Date 10/22/17) - CD Headworks/Grit Basin Plant 1	0	29-Sep-17*	♦ Substantial Completion (CD Co	Compliance Date 10/22/17) - CD Headworks/Grit Basin Plant 1
CD81840	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 1	0	22-Oct-17*		onstruction + CD Headworks/Grit Basin Plant 1
CD40030	Project Closeout - CD Headworks/Grit Basin Plant 1	90 30-Sep-17	28-Dec-17*		leadworks/Grit Başin Plant 1.
Project Administration	1	1180 06-Oct-14 A	28-Dec-17	28-Dec-17, Project Admir	inistration
CD33960	WASD Project Administration - CD Headworks/Grit Basin Plant 1	1180 06-Oct-14 A	28-Dec-17	WASD Project Administr	tration - CD Headworks/Grit Basin Plant 1

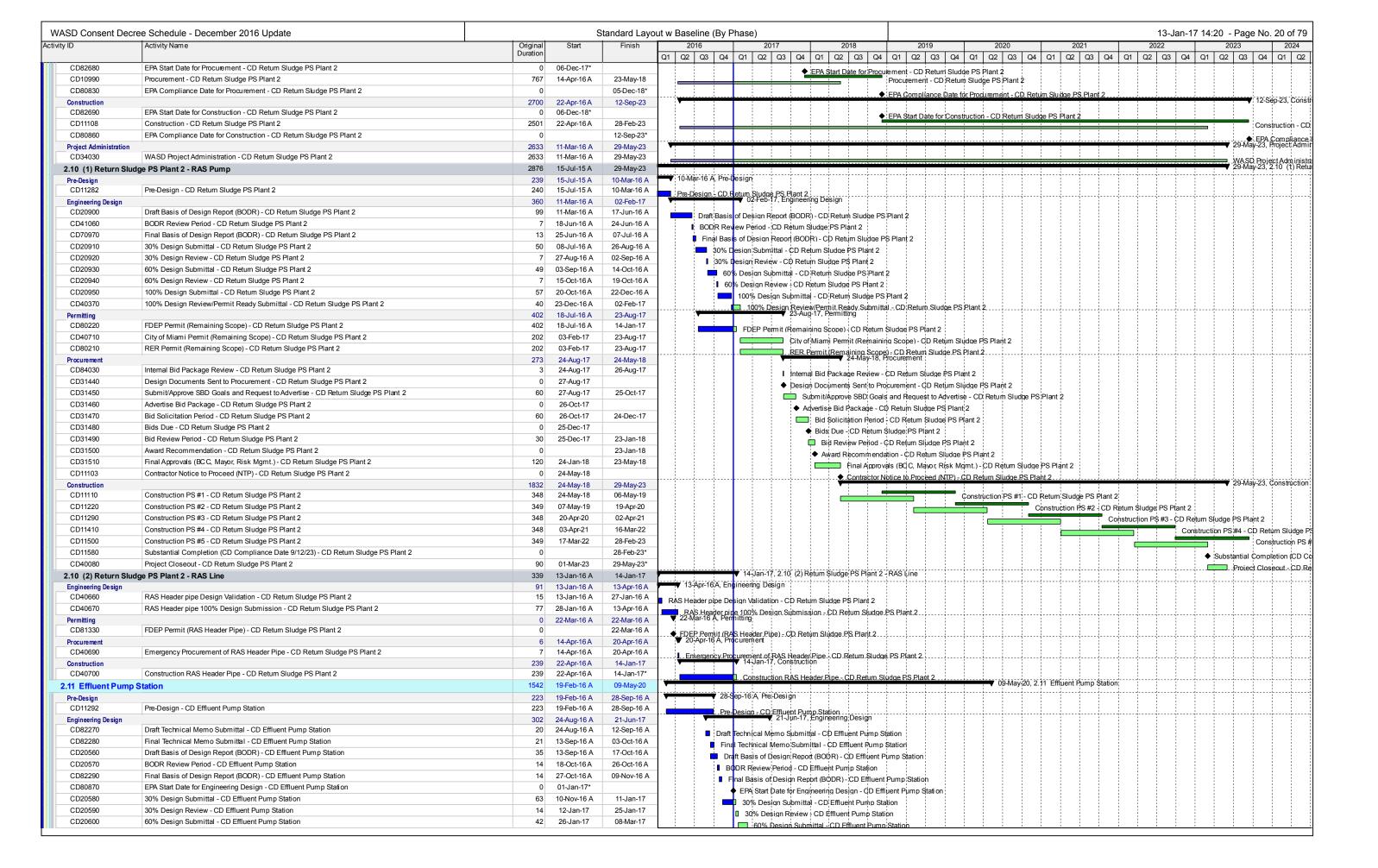
/ ID	cree Schedule - December 2016 Update Activity Name	Original	Start	Standard Lay Finish		016	Tidse)	2017		2018		1	2019	2	020		2021		2022	a11-17	14:20 - F		,. I 丁
y ID	Activity Name	Duration	Start	11111511			Q1		Q4 Q1						Q3 Q4			4 Q1		Q4			+
.04 Headworks/G	Grit Basin Plant 2	1467	05-Jun-14 A	10-Jun-18									works/Grit Ba										+
Pre-Design		122	05-Jun-14 A	05-Oct-14 A										1									
CD20010	Pre-Design - CD Headworks/Grit Basin Plant 2	123	05-Jun-14 A	05-Oct-14 A	Grit Basin F	Plant 2														<u> </u>			
Engineering Design		536	•	19-Feb-16 A	19-Feb	Plant 2 b-16 A, Engin	neering :D	Design															
CD82460	EPA Start Date for Engineering Design - CD Headworks/Grit Basin Plant 2	0	01-Sep-14 A		Design - CD	Head works	/GritBas	in Plant 2															
CD20080	Technical Memo #1 - CD Headworks/Grit Basin Plant 2	0			adworks/G	int Basin Pla	ant 2				i												
CD20090	Technical Memo #2 - CD Headworks/Grit Basin Plant 2	0	** - **		Headworks	s/Grit Basin F	Plant 2																
CD30290	Issue NTP for Final Design - CD Headworks/Grit Basin Plant 2	0	08-Dec-14 A			adworks/Grit	Basin P	lant 2			1					į							
CD20070	Basis of Design Report - CD Headworks/Grit Basin Plant 2	185	06-Oct-14 A	08-Apr-15 A	Report - CL	Headworks	s/Grit Bas	sin Plant 2															
CD20100	Negotiate Final Design - CD Headworks/Grit Basin Plant 2	108	09-Feb-15 A	27-May-15 A	al Design -	CD Headwo	orks/Grit I	Basin Plant	2		į					i		1 1				Ì	
CD32530	Develop Equipment Pre-Purchase Packages - CD Headworks/Grit Basin Plant 2	31	17-Jun-15 A	17-Jul-15 A	auipment F	Pre-Purchase	e Packag	aes - CD He	adworks/G	Grit Basin F	lant 2												
CD21150	60% Design Submittal - CD Headworks/Grit Basin Plant 2	52	17-Jun-15 A	07-Aug-15 A	ign Submi	ittal - CD Hea	adwork\$/	/Grit Basin P	Plant 2														- 1
CD21160	60% Design Review - CD Headworks/Grit Basin Plant 2	12	10-Aug-15 A	21-Aug-15 A	sign Revie	w - CD Head	dworks/G	Grit Basin Pla	ant 2		İ												
CD20110	100% Design Submittal - CD Headworks/Grit Basin Plant 2	120	21-Aug-15 A	18-Dec-15 A	100% Des	ign Submitta	al - CD H	leadworks/Ġ	Srit Basin F	Plant 2												- }	
CD10040	Engineering Design - CD Headworks/Grit Basin Plant 2	480	06-Oct-14 A	28-Jan-16 A		eering Desig					İ												
CD40330	100% Design Review/Permit Ready Submittal - CD Headworks/Grit Basin Plant 2	42	18-Dec-15 A	28-Jan-16 A	100% D	Design Revie	w/Pemit	t Ready Sub	omittal - Cl	D Headwo	ks/Grit B	asin Plant 2										- 1	
CD81850	EPA Compliance Date for Engineering Design - CD Headworks/Grit Basin Plant 2	0		19-Feb-16 A		ompliance D 05-Aug								.ii	.ijj			jj		j j	jj.		J.
Permitting		520	04-Mar-15 A	05-Aug-16 A		05-Aug	j-16 A, ₽e	ermitting															
CD82470	EPA Start Date for Permitting - CD Headworks/Grit Basin Plant 2**	0	04-Mar-15 A			CD Headwo	orks/Grit I	Basin Plant	2**														
CD81860	EPA Compliance Date for Permitting - CD Headworks/Grit Basin Plant 2**	0		18-Jun-16 A		EPA Comp	pliance D	Date for Pen	mitting - C	D Headwo	rks/Grit E	Basin Plant	2**										
CD10200	Permitting - CD Headworks/Grit Basin Plant 2	190		05-Aug-16 A		Permitt																	i
CD80040	City of Miami Building Permit - CD Headworks/Grit Basin Plant 2	190		05-Aug-16 A	\	City_of	Miami.B	Building Pem	nit - CD H	leadworks/	Grit Basir	n Plant 2		.il						<u> </u>			
Procurement		776		31-Jul-17			1	▼ 31	-Jul-17, Pr	rocuremen	1												ĺ
CD30300	Procurement Contract Modification - CD Headworks/Grit Basin Plant 2	1	17-Jun-15 A	17-Jun-15 A	t Contract I	Modification	-CD He	adworks/Gr	it Basin Pl	lant 2													
CD31331	Pre-Purchase Bid Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2	70	21-Aug-15 A	29-Oct-15 A	-Purchase	Bid Package	e (Screen	ning Equipm	ent) - CD	Headworks	s/Gnt Bas	sin Plant 2											- 1
CD31371	Advertise Pre-Purchase Package (Screening Equipment) - CD Headworks/Grit Basin Plant 2	0	30-Oct-15 A		vertise Pre-	Purchase Pa	ackage (S	Screening E	quipment)) - CD Head	dworks/G	rit Basin Pla	int 2										
CD31381	VendorBid & Award (Screening Equipment) - CD Headworks/Grit Basin Plant 2	91	30-Oct-15 A	28-Jan-16 A	.	Bid & Award		1 1	1	1 1	1	1 1										-	
CD31431	Vendor NTP (Screening Equipment) - CD Headworks/Git Basin Plant 2	0		29-Jan-16 A	1 3	NTP (Screen				1 1		1 1											
CD82480	EPA Start Date for Procurement - CD Headworks/Grit Basin Plant 2	0	03-Mar-16 A			Start Date for		1 1		9 9		1 1	}							1		-	- 1
CD30520	Design Documents Sent to Procurement - CD Headworks/Grit Basin Plant 2	0	07-Mar-16 A		1 i	dn Documer	- 1	i i	i i	- i - i -	i	i i											
CD30530	Submit/Approve SBD Goals and Request to Advertise - CD Headworks/Grit Basin Plant 2	96	28-Mar-16 A	01-Jul-16 A		1 1		1 1		1 1	!	1 1	Grit Basin Pl	ant 2						1 1		-	- 1
CD30540	Advertise Bid Package - CD Headworks/Grit Basin Plant 2	0	02-Jul-16 A			i i '	1	kage - CD F	1.7	i i	i	i i											
CD30550	Bid Solicitation Period - CD Headworks/Grit Basin Plant 2	17	02-Jul-16 A	18-Jul-16 A		1 1	1 1	Period - CD	1	i i	i	1 1											- 1
CD30560	Bids Due - CD Headworks/Grit Basin Plant 2	0	19-Jul-16 A		- 1	1		leadworks/Ġ	1	1 1													- 1
CD30570	Bid Review Period - CD Headworks/Grit Basin Plant 2	14	19-Jul-16 A	01-Aug-16 A		i i	- 1	iod - CD He	i	i i	lant 2												- 1
CD30580	Award Recommendation - CD Headworks/Grit Basin Plant 2	0		01-Aug-16 A		1 1		nendation - (- 1 1		nt 2						-					ij
CD30590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks/Grit Basin Plant 2	7	02-Aug-16 A	08-Aug-16 A		i i	- 1	(BCC, May	i	i i	i	i i	n Plant 2			- 1							
CD10210	Procurement - CD Headworks/Grit Basin Plant 2	176	07-Mar-16 A	29-Aug-16 A		TillarA		Procurement					iii iant z										
CD82230	P.O. Issued - CD Headworks/Grit Basin Plant 2	0		29-Aug-16 A		A PO I	lecued (CD Headwo	rke/Crit Ba	aciin Dlant	2												
CD31321	Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit Basin Plant 2	60	21-Oct-16 A	17-Nov-16 A		¥ F.O. 1	- 1	hase Bid Pa	i	i i	i	ke/Grit Basir	Diant 2										- 1
CD31351	Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Plant 2	45	18-Nov-16 A	01-Mar-17				/endorBid&					1 1										- 1
CD31391	VendorNTP (RTUs)- CD Headworks/Grit Basin Plant 2	0		01-Mar-17		-		/endorNTP			1	1 1	1 1							1 1		-	- 1
CD81870	EPA Compliance Date for Procurement - CD Headworks/Grit Basin Plant 2	0		02-Mar-17*				1 1		- 1	- 1	1 1	ss/Grit Basin	Diant 2									- 1
CD30100	Owner Pre-purchase Screening Equipment - CD Headworks/Grit Basin Plant 2	745	17-Jun-15 A	30-Jun-17			▼ [1 1	1	1 1	1	1 1	1 1	1 1	l							-	- 1
CD31441	Fabricate & Deliver Screening Equipment - CD Headworks/Grit Basin Plant 2	519		30-Jun-17		: :	- 1	i i	i i	i i	i	i i	D Headwork	i i	i i i								- 1
CD32550	Owner Pre-purchase RTU's - CD Headworks/Grit Basin Plant 2	257	21-Oct-16 A	31-Jul-17		1 1	- :	: :	- 1	- 1 - 1			Headworks	: :	ant 2								- 1
CD31401	Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 2	152		31-Jul-17	-					1 1	1		/Grit Basin P	4									- 1
Construction		916		10-Jun-18		+			micate & [Deliver RT	us - CD I 0-Jun-18,	neadworks/0 Construction	Gnt Basin Pla in	ı ı.∠						ļļ			
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		Inetallation -	of Manh	le and Class	0 014 45 04	I" Dina Or) Hoodii	orke/Orit D	in Plant 2	1 1								İ	i
CD10448	Contractor Notice to Proceed (NTP) - CD Headworks/Grit Basin Plant 2	0		•	"	Installation o		1 1		- 1		1 1	- : - :			}							
CD82490	EPA Start Date for Construction - CD Headworks/Grit Basin Plant 2	0	03-Mar-17*			Contr		tice to Proce		1 (1		nt2 Basin Plant2			ĺ	i i	1 1					į
CD40800	Construction (Remaining Scope) - CD Headworks/Grit Basin Plant 2	560		12-Mar-18		<u> </u>	▼ !	-ra sian Da	ite ior Cons	- 1	- ;	1 1	-	object to	Poois Di								- 1
CD10450	Construction - CD Headworks/Grit Basin Plant 2	560		12-Mar-18			-						ope) - CD He lworks/Grit B		Basin Plant 2								į
CD10750	Substantial Completion (CD Compliance Date 5/22/18) - CD Headworks/Grit Basin Plant 2	0	<u></u>	12-Mar-18*			-	1 1	!	-	1	1 1	1 1	1 1) CD !!!	andre (A	Dobin Di						
CD81880	EPA Compliance Date for Construction - CD Headworks/Grit Basin Plant 2	0		22-May-18*	-				'			7) (1)	1 1	1 1	B) - CD Headw		1 1	4					į
CD40040	Project Closeout - CD Headworks/Grit Basin Plant 2	90	13-Mar-18	10-Jun-18*	-					- 1			1 1		dworks/Grit Ba	asın H¦ant ¦							- }
Project Administration	_ ·	1344	06-Oct-14 A	10-Jun-18		+	+			-	roiect Clo 3-Jun-18.	oseout - CD Project Adn	Headworks/G	nt Basin Pla	nt 2					 -			÷
CD33970	WASD Project Administration - CD Headworks/Grit Basin Plant 2	1344	06-Oct-14 A	10-Jun-18						- 1 - 1	1	1 1		1 1									
05 Oxygenation		2677	01-Mar-11 A	28-Jun-18		!!!			!		(ASD Pro 28-Jun-18	iject Admini 8, 2.05 Oxy	stration ± CD. genation: Trair	neadworks/0 s Plant 1	Grit Basin Plan	ц2				1			1
		348		17-Jun-17				17-Ju	in-17, Pre-l	1 1										 -			
Pre-Design CD81230	Pre-Design Train #2 - CD Oxygenation Trains Plant 1	150		17-Jun-17 16-Jan-17			1		1			1				į							
CD81220	Pre-Design Train #3 - CD Oxygenation Trains Plant 1	120	18-Feb-17*	17-Jun-17			Pre-l	Design Train			- 1												
Engineering Design	1.0 2 30.g Ann no Ob Onggonaron namo riant i	2361	01-Mar-11 A	16-Aug-17		+	4	Pre-D	esian Trair 6-Aug-17.	n #3 - CD (Engineerin	Oxygenati g Design	ion Trains.P.	ant.1		· † 								-÷
CD80260	Engineering Design (Mixers) - CD Oxygenation Trains Plant 1	63		02-May-11 A				1	,	3						1							
CD80200	EPA Compliance Date for Engineering Design - CD Oxygenation Trains Plant 1**	00	OT Mai-1174	02-Way-11 A				_								i						i	
CD80470 CD81240	Engineering Design (Structural Rehab Train #2) - CD Oxygenation Trains Plant 1	25	17-Jan-17	10-Feb-17	eering Des	sian - CD Oxy		1 1															- 1
JD01240	Engineering Design (Studdural Renab flain #2) - CD Oxygenation flains Plaint 1 Engineering Design - CD Oxygenation Trains Plant 1	2361		16-Aug-17	\dashv	1	□ En						voenation Tra ns Plant 1	ins Plant 1				1 1	i	1			i



D Consent Dec	cree Schedule - December 2016 Update Activity Name	Original	Start	Finish	out w Baseline (By Pha	2017		2018	0	+	2019		2	020	,	2021	202		7 14.20 -	Page No.
Ь	Activity Name	Original Duration	Start	FIIIISII			Q4 Q1			Q1 (Q4				2021 2 Q3 Q4				
CD80610	EPA Compliance Date for Procurement - CD Secondary Clarifiers Plant 1	0		05-Oct-23*																
Construction		2388	01-Feb-20	15-Aug-26								'	•							
CD11598	Construction - CD Secondary Clarifiers Plant 1	1045	01-Feb-20	11-Dec-22																
CD40050	Project Closeout - CD Secondary Clarifiers Plant 1	90	12-Dec-22	11-Mar-23*															Proje	t Closeout
CD82570	EPA Start Date for Construction - CD Secondary Clarifiers Plant 1	0	06-Oct-23*	45.4 00*																♦ EPA
CD80840	EPA Compliance Date for Construction - CD Secondary Clarifiers Plant 1	0		15-Aug-26*		 ,	<u> </u>			<u> </u>				<u> </u>			<u>i</u>		44.00	r-23, Project
Project Administration CD34000	WASD Project Administration - CD Secondary Clarifiers Plant 1	1986 1986	03-Oct-17 03-Oct-17	11-Mar-23 11-Mar-23																
	Clarifiers Plant 1	2046	05-Oct-17	11-Mai-23	 	·· ········										4			11-Dec-22,	D.Project Adm 2.07 (1) Secor
Pre-Design	olarinets Flatic I	150	06-May-17	02-Oct-17		·- 	▼ 02-Oct-1	7 Pre-Des	sign											
CD11252	Pre-Design - CD Secondary Clarifiers Plant 1	150	06-May-17*	02-Oct-17			D D	- 000		. 01	Distant									
ngineering Design	· · ·	398	03-Oct-17	04-Nov-18			Pie-Des	IGIT - CD'S	econidary	04-Nov-18	Plant 1, Engineeri	ng Desi	gn	11		-11	1111			
CD20700	Basis of Design Report (BODR) - CD Secondary Clarifiers Plant 1	60	03-Oct-17	01-Dec-17			Bas	is of Desig	n Renor	t (BODR) -	CD Second	dary Čla	arifiers Pla	int 1						
CD20710	BODR Review Period - CD Secondary Clarifiers Plant 1	14	02-Dec-17	15-Dec-17			i i	i i	i	i i	ndaly Clari		i							
CD20720	30% Design Submittal -CD Secondary Clarifiers Plant 1	90	16-Dec-17	15-Mar-18			1 1		1	1 1	D Seconda			1						
CD20730	30% Design Review - CD Secondary Clarifiers Plant 1	14	16-Mar-18	29-Mar-18				i i		i i) Secondar		i	1						
CD20740	60% Design Submittal - CD Secondary Clarifiers Plant 1	90	30-Mar-18	27-Jun-18				1 1	i	- 1 1	ittal - CD S		- 1	s Plant 1						
CD20750	60% Design Review -CD Secondary Clarifiers Plant 1	20	28-Jun-18	17-Jul-18						1 1	ew -CD Se			1 1 1						
CD20760	100% Design Submittal - CD Secondary Clarifiers Plant 1	80	18-Jul-18	05-Oct-18				1 6	i	i i	i i		i	Clarifiers Pla	nt 1					
CD40340	100% Design Review/Permit Ready Submittal - CD Secondary Clarifiers Plant 1	30	06-Oct-18	04-Nov-18												.Clarifiers.Plant	1			
rocurement		273	04-May-19	31-Jan-20						7	1		▼ 31-Jan	20, Procurem	ent		1 1			
CD84000	Internal Bid Package Review - CD Secondary Clarifiers Plant 1	3	04-May-19	06-May-19							I Internal I	Bid Pac	kaqe Rev	ew - CD Sec	ndary Cla	ifiers Plant 1				
CD31200	Design Documents Sent to Procurement - CD Secondary Clarifiers Plant 1	0	07-May-19								▶ Design I	Docume	ents Sent	o Procuremen	nt - CD Sec	condary Clarifiers	s Plant 1			
CD31210	Submit/Approve SBD Goals and Request to Advertise - CD Secondary Clarifiers Plant 1	60	07-May-19	05-Jul-19							Subi	mit/App	rove SBD	Goals and Re	quest to A	dvertise - CD Se	condary Cla	arifiers Plan	1	
CD31220	Advertise Bid Package - CD Secondary Clarifiers Plant 1	0	06-Jul-19								◆ Adve	ertise Bi	d Packad	e - CD Secon	dary Clarifi	ers Plant 1				
CD31230	Bid Solicitation Period - CD Secondary Clarifiers Plant 1	60	06-Jul-19	03-Sep-19					1			; Bid Soli	citation P	eriod - CD Se	condary CI	anfiers Plant 1	1 1			
CD31240	Bids Due - CD Secondary Clarifiers Plant 1	0	04-Sep-19								•	Bids Du	ıe - ÇD Se	condary Clari	fiers Plant	1				
CD31250	Bid Review Period - CD Secondary Clarifiers Plant 1	30	04-Sep-19	03-Oct-19								BidR	eview Per	iod - CD Seco	ndary Clar	ifiers Plant 1				
CD31260	Award Recommendation - CD Secondary Clarifiers Plant 1	0		03-Oct-19							•	Award	d Recomn	nendation - Cl	D Seconda	ry Clarifiers Plan	nt 1			
CD31270	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Secondary Clarifiers Plant 1	120	04-Oct-19	31-Jan-20			ļļ				i		I. Final A	provals (BC.C	, Mayor, R	isk Mgmt.) - CD.	Secondary	Clarifiers P	ant 1	
onstruction		1045	01-Feb-20	11-Dec-22								'	•			7 1 1			11-Dec-22,	Construction
CD11528	Contractor Notice to Proceed (NTP) - CD Secondary Clarifiers Plant 1	0	01-Feb-20									•	♦ Contrac	tor Notice to	Proceed (N	ITP) - CD Second	dary Clarifie	ers Plant 1		
CD11600	Construction Clarifiers 1&2 - CD Secondary Clarifiers Plant 1	348	01-Feb-20	13-Jan-21									÷							
CD11640	Construction Clarifiers 3&4 - CD Secondary Clarifiers Plant 1	348	14-Jan-21	27-Dec-21					İ								1 1			
CD11670	Construction Clarifiers 5&6 - CD Secondary Clarifiers Plant 1	349	28-Dec-21	11-Dec-22												<u> </u>	\rightarrow			
CD11690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Plant 1	0		11-Dec-22*	ļ <u>-</u>		i						17 1	 ar 20 3 07 72	Seconda	ry Clarifiers Plan	t 1 Train Mk	ochanieme	Substantial	Completion (
. ,	r Clarifiers Plant 1 Train Mechanisms	854	15-Nov-17	17-Mar-20	ļ						i	i.	1	lar-20, 2.07 (2	11 1	y Claimeis Flan				
CD83540	Construction Trains 1&2 - CD Secondary Clarifiers Train Mechanisms	854 123	15-Nov-17 15-Nov-17	17-Mar-20 17-Mar-18			'							1 1						
CD83550	Construction Trains 3&4 - CD Secondary Clarifiers Train Mechanisms Construction Trains 3&4 - CD Secondary Clarifiers Train Mechanisms	123	15-Nov-17	17-Iviai-16 17-Mar-19	-			Constr	uction Tra	1 1	1 1			n Mechanism						
CD83560	Construction Trains 5&6 - CD Secondary Clarifiers Train Mechanisms Construction Trains 5&6 - CD Secondary Clarifiers Train Mechanisms	123	15-Nov-19	17-Iviai-19 17-Mar-20	-					C	Construction	n Trains	i	1 1 1	i i	in Mechanisms				
CD83690	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Train Mechanisms	124	13-1107-19	17-Mar-20*	1							-	- 1	: : :	: :	D Secondary Cla	1 1			
	Clarifiers Plant 1 Structural Rehab	1124	18-Feb-17	17-Mar-20		<u></u>	 			<u></u>			Sub 17-N	stantial Comp Mar-20, 2.07 (3	letion (CD) Seconda	Compliance Da ry Clarifiers Plan	ite 8/15/26). it 1 Structur	- CD Secon al Rehab	dary Clarifier	s.Train Mech
e-Design	Clariners Flant 1 Structural Renau	850	18-Feb-17	17-Wai-20 17-Jun-19		 		<u></u>		<u></u>	17-Ju	in-19. Pr	e-Desian	· []						
D83570	Pre-Design Trains 182 - CD Secondary Clarifiers Structural Rehab	120	18-Feb-17*	17-Jun-17	1		1.1.	100												
D83580	Pre-Design Trains 3&4 - CD Secondary Clarifiers Structural Rehab	120	18-Feb-18*	17-Jun-18		Pre-L	Design Train	- 1 - 1	1	1.5	1 1		- 1		!					
D83590	Pre-Design Trains 5&6 - CD Secondary Clarifiers Structural Rehab	120	18-Feb-19*	17-Jun-19	1				re-Desig	n Irains 3	1 1			Structural Re	i i					
gineering Design	V	790	18-Jun-17	16-Aug-19	 	+	+	+			Pre-D	esign T 6-Aug-1	rains 5&6 9, Engine	ະເບ Seconda ering Design	ary Clarifie	rs Structural Reh	.ao			
D83600	Design Trains 1&2 - CD Secondary Claiffiers Structural Rehab	60	18-Jun-17	16-Aug-17		ļ <u>L</u> .	Design Trei	nd 18.2	'D Saaa	dan Clare			1				1 1	;		
D83610	Design Trains 3&4 - CD Secondary Clarifiers Structural Rehab	60	18-Jun-18	16-Aug-18	1		Design Trai	!!!		!!!	!!!			s Structural R	phah					
D83620	Design Trains 5&6 - CD Secondary Clarifiers Structural Rehab	60	18-Jun-19	16-Aug-19	1			1 7	- Desig	arrians 3	1 1			1		re Structural Dal	nah			
ocurement		820	17-Aug-17	14-Nov-19		—						14-	Nov-19, F	rocurement		rs Structural. Reh	au			
D83630	Procurement Trains 1&2 - CD Secondary Clarifiers Structural Rehab	90	17-Aug-17	14-Nov-17			Procu	rement Tr	nine 182	- CD Seco	nndany Clar	rifiers St	nuctúral P	ehah :						
D83640	Procurement Trains 3&4 - CD Secondary Clarifiers Structural Rehab	90	17-Aug-18	14-Nov-18		-	11000	il citi citi		1 1	- 1			ary Clarifiers	Structural F	≷ehah	-			
CD83650	Procurement Trains 5&6 - CD Secondary Clarifiers Structural Rehab	90	17-Aug-19	14-Nov-19							1 1		i	i i i	i i	i i i	ructural Rel	nab		
nstruction		854	15-Nov-17	17-Mar-20			· •					1 - 13.	17-1	lar-20, Constr	uction	dary Clarifiers St				
D83660	Construction Trains 1&2 - CD Secondary Clarifiers Structural Rehab	123	15-Nov-17	17-Mar-18				Constr	uction Tr	ains 1&2 -	CD Second	dary Cla	rifiers Str	ictural Rehab				'		
D83670	Construction Trains 3&4 - CD Secondary Clarifiers Structural Rehab	123	15-Nov-18	17-Mar-19						1 1	1 1			1 1 1	: :	uctural Rehab				
D83680	Construction Trains 5&6 - CD Secondary Clarifiers Structural Rehab	124	15-Nov-19	17-Mar-20									Con	struction Train	ns 5&6 - CI	D Secondary Cla	urifiers Struc	tural Rehab		
D83980	Substantial Completion (CD Compliance Date 8/15/26) - CD Secondary Clarifiers Structural Rehab	0		17-Mar-20		[]	<u> </u>	<u>. .</u>		<u>. [[</u>	<u> </u>	I	◆ Sub	stantial Comp	letion (CD	Compliance Da	ate 8/15/26)	- CD Secor	dary Clarifier	s Structural F
8 Secondary Cl	larifiers Plant 2	2982	15-Jul-15 A	12-Sep-23																12-Se
e-Design		239	15-Jul-15 A	10-Mar-16 A	10-Mar-16 A, Pre-Desi	gn		1 1									1 1			
CD11262	Pre-Design -CD Secondary Clarifiers Plant 2	240	15-Jul-15 A	10-Mar-16 A	.Pre-Design -CD Secon	dary Clarifiers	Plant 2.													
ngineering De sign		387	10-Mar-16 A	31-Mar-17	V	31-Mar-17	, Engineeri	ng Design	1		[-							
CD82580	EPA Start Dtae for Engineering Design - CD Secondary Clarifiers Plant 2	0	01-Jun-16 A		◆ EPA Start Dtae fo	<u>r</u> Énginéerina	Design - C	D Second	ary Clarif	iers Plant	2									
CD10630	Engineering Design - CD Secondary Clarifiers Plant 2	330	10-Mar-16 A	02-Feb-17			ng Design -						į							







ity ID	ree Schedule - December 2016 Update Activity Name	Original	Start	Standard Layo	201	· · ·		2017 2018		2019	20	020	2021		2022		14:20 -)23	2
		Duration				Q3 Q4	Q1	Q2 Q3 Q4 Q1 Q2 Q3	Q4 Q1										
CD20610	60% Design Review - CD Effluent Pump Station	16	09-Mar-17	24-Mar-17				60% Design Review - CD Effluent P	1 1	† †					-				
CD20620	100% Design Submittal - CD Effluent Pump Station	26	25-Mar-17	19-Apr-17	1			■ 100% Design Submittal - CD Efflu	1 1	1 1									
CD10080	Engineering Design - CD Effluent Pump Station	286	24-Aug-16 A	31-May-17	1			Engineering Design - CD Efflu											
CD40380	100% Design Review/Permit Ready Submittal - CD Effluent Pump Station	42	20-Apr-17	31-May-17	1			100% Design Review/Permit R	Paady Suhm	ittal - CD Effl	ilent Pilmn Station	j							
CD82700	EPA Compliance Date for Engineering Design - CD Effluent Pump Station	0		21-Jun-17*	1				1 1	1 1	1 1 1	1 1							
Permitting		385	01-Jun-17	20-Jun-18				EPA Compliance Date for End	un-18, Perm	itting		1			1			1	
CD82710	EPA Start Date for Permitting - CD Effluent Pump Station	0	21-Jun-17*					◆ EPA Start Date for Permitting	- CD Effluer	nt Pump Stati	on :								
CD10180	Permitting - CD Effluent Pump Station	180	01-Jun-17	27-Nov-17						Effluent Pum									
CD80880	EPA Compliance Date for Permitting - CD Effluent Pump Station	0		20-Jun-18*	1			◆ EPA	Compliance	e Date for Per	mitting - CD Efflue	: ent Pump Sta	ation						
Procurement		570	28-Nov-17	20-Jun-19				V	E.GO. P. LO.	20-J	mitting - CD Efflue un-19, Procuremer	nt							
CD84040	Internal Bid Package Review - CD Effluent Pump Station	3	28-Nov-17	30-Nov-17				Internal Bid Packad	ige Review -	CD Effluent	Pump Station								
CD31520	Design Documents Sent to Procurement - CD Effluent Pump Station	0	01-Dec-17					◆ Design Document	ts Sent to Pr	ocurement -	D Effluent Pump	Station							
CD31530	Submit/Approve SBD Goals and Request to Advertise - CD Effluent Pump Station	60	01-Dec-17	29-Jan-18				Submit/Approv	1 1	1 1		1 1	ump Station						
CD31540	Advertise Bid Package - CD Effluent Pump Station	0	30-Jan-18					◆ Advertise Bid F	1 1	1 1	1 1 1								
CD31550	Bid Solicitation Period - CD Effluent Pump Station	60	30-Jan-18	30-Mar-18				Bid Solicit	1 1	1 1	1 1 1								
CD31560	Bids Due - CD Effluent Pump Station	0	31-Mar-18		1			♦ Bids Due	i i	i i	i i i								
CD31570	Bid Review Period - CD Effluent Pump Station	30	31-Mar-18	29-Apr-18				☐ Bid Revi	1 1	1 71	1 1 1								
CD31580	Award Recommendation - CD Effluent Pump Station	0		29-Apr-18	1				i i	i i	fluent Pump Static	nn i							
CD82720	EPA Start Date for Procurement - CD Effluent Pump Station	0	21-Jun-18*		1				1 1		nt - CD Effluent Pu	: :							
CD10420	Procurement - CD Effluent Pump Station	270	01-Dec-17	27-Aug-18	1			¥ =: /	; ;		urement - CD Efflu		Station						
CD31590	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Effluent Pump Station	120	30-Apr-18	27-Aug-18					Final Amora	ide (BCC M	¦ ; ayor, Risk Mgmt.)	CD Effluen	t Pump Station						
CD10658	Contractor Notice to Proceed (NTP) - CD Effluent Pump Station	0	28-Aug-18		1						eed (NTP) - CD Ef								
CD80890	EPA Compliance Date for Procurement - CD Effluent Pump Station	0		20-Jun-19*	1				Dominacior I	1	7 7 7	1	1	ot Duma Ctati-	on				- }
Construction		621	28-Aug-18	09-May-20	1			····	}		Compliance Date	10t Procurer 09-May-20, C	Construction	nt Pump Statio	m			 	
CD82730	EPA Start Date for Construction - CD Effluent Pump Station	0	21-Jun-19*		1					♣ EDA	Start Date for Con	otruction C	D Effludat Duma	Station					
CD10660	Construction - CD Effluent Pump Station	324	28-Aug-18	17-Jul-19	1 1 1					▼ EPA			ı - CD Effluent Pu						
CD10870	Substantial Completion (CD Compliance Date 5/09/20) - CD Effluent Pump Station	0		17-Jul-19*	1				1 1	• 0.	1 1 1	1 1		- 1	#0 D	- 0	į		
CD40090	Project Closeout - CD Effluent Pump Station	90	18-Jul-19	15-Oct-19*	1					1 1	bstantial Complet	i i	i i i	i i	nuent Pum	p Station			
CD80900	EPA Compliance Date for Construction - CD Effluent Pump Station	0		09-May-20*	1				i i		Project Closed	1 1	1 ()	1 1					
Project Administration	Enversion planted bate to constitution of Emboury amp station	1130	13-Sep-16 A		1	····					15-Oct-19, Pro	EPA Complia ject Adminis	ance Date for Co stration	nstruction - CI	D Effluent F	2um p.Static	on	 	
CD34040	WASD Project Administration - CD Effluent Pump Station	1130	13-Sep-16 A		1									i i	- 1	1 1			
	e Thickeners Plant 1		02-Feb-15 A								WASD Project	Administrati	ion - CD Effluent 23-Ar	Pump Station or-21, 2.12 Gra	avity Sludge	e Thickene	rs Plant 1	 	
	e inicreners i lanci		02-Feb-15 A		e-Design		·		. 		 						·	}	
Pre-Design CD11302	Pre-Design - CD Gravity Sludge Thickeners Plant 1	-	02-Feb-15 A		"	. 1													
Engineering Design	Tic-besign - Ob Glavity Gladge Tillekerleis Frank 1		30-Apr-15 A	05-Oct-17	D. Gravity Slu	ıdge_Thicker	ers Pla	ant 1. ▼ 05-Oct-17, Engineering	d Design		 	· 						ļ	
CD20960	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 1		01-May-15 A			1			1 [
CD32810	BODR Design Review - CD Gravity Sludge Thickeners Plant 1		23-Dec-15 A		1 1			R) - CD Gravity Sludge Thickeners Pla	ant 1										
CD10370	Engineering Design - CD Gravity Sludge Thickeners Plant 1		30-Apr-15 A	29-Mar-16 A	BODR D	esign Revie	w - CD	Gravity Sludge Thickeners Plant 1 Engineering Design - 0	CD Cravity 9	Studge Thicks	ners Plant 1								
CD41080	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 1	000	007 pr 107 t	29-Mar-16 A					CD Glavity	siduge illicke	Fileis Fiant I								
CD32620	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 1	90	28-Jan-16 A	26-Apr-16 A	1 1 1	i	i i	Gravity Sludge Thickeners Plant 1											
CD32640	DCP Design Review - CD Gravity Sludge Thickeners Plant 1		25-Apr-16 A	·	1 1 1		! ! "	ige Initial Submittal - CD Gravity Slud		ers Plant 1									
CD32040 CD33340	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 1		04-Jan-16 A		_ D		100	v - CD Gravity Sludge Thickeners Plan	1 1										
						Pil	ot Testi	ting of Thickening Process - CD Grav	vity Sludge T	hickeners Pl	ant1								
CD32660	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 1		20-May-16 A	23-Nov-16 A	-		inal DO	CP Submittal - CD Gravity Sludge Th	ickeners Pl	ant 1									
CD82740	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0	01-Apr-17*	05.0-4.47*	1		*	EPA Start Date for Engineering Des	ign - CD Gr	avity Sludge 1	Thickeners Plant 1								
CD80910	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 1	0	00 1 40 4	05-Oct-17*				◆ EPA Compliance Date	for Engine	ering Design	CD Gavity \$ludg	e Thickeners	s Plant 1					ļļ	
Permitting	EDED Demit CD Craits Cludes Thiskener Plant 4		29-Jan-16 A	05-Oct-18	-				V 03-001-10	5, remitting									
CD82750	FDEP Permit - CD Gravity Sludge Thickeners Plant 1	457	29-Jan-16 A	29-Apr-17	-	:		■ FDEP Permit - CD Gravity Sludge	1 1	1 1									
CD82750	EPA Start Date for Permitting - CD Gravity Sludge Thickeners Plant 1	000	06-Oct-17*	10.0 10	1			◆ EPA Start Date for Per											
CD10520	Permitting - CD Gravity Sludge Thickeners Plant 1	929	29-Jan-16 A	· ·			i		Permittin	g - CD Gravit	y Sludge Thickene	rs Plant 1							
CD80920	EPA Compliance Date for Permitting - CD Gravity Sludge Thickeners Plant 1	0	00.14 12 1	05-Oct-18*	ļ <u>ii</u>		<u>i</u>	<u> </u>	◆ EPA Con	pliance Date	for Permitting - C 05-Oct-19; Proc	D Gravity Slu	udge Thickeners	Plant 1				ļļ	
Procurement	DDDOO H D H OD O H OL L TI'L DI LA		29-Mar-16 A	05-Oct-19	1	-			1 1		V 05-OCI-19, FIOC	dienien					1		
CD33220	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 1		29-Mar-16 A	_	◆ RDB	S Sent to Pr	ocurem	ent - CD Gravity Sludge Thickeners I	Plant 1										
CD33230	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Studge Thickeners Plant 1		29-Mar-16 A	19-Jul-16 A	-	■ Supmit/A	pprove	SBD Goals and Request to Advertise	e - CD Gravi	ty Sludge Thi	¢keners Plant 1								
CD33240	Advertise RDBS - CD Gravity Sludge Thickeners Plant 1		20-Jul-16 A			Advertise	RDB\$	- CD Gravity Sludge Thickeners Plan	nt 1										
CD33250	Request for Qualifications - CD Gravity Sludge Thickeners Plant 1		20-Jul-16 A	16-Sep-16 A		Requ	est for	Qualifications - CD Gravity Sludge To	hickeners P	lant 1									
CD33260	Qualifications Package Due - CD Gravity Sludge Thickeners Plant 1		17-Sep-16 A			Qual	fication	ns Package Due - CD Gravity Sludge	Thickeners	Plant 1									
CD33270	Qualification Review Period - CD Gravity Sludge Thickeners Plant 1	45	17-Sep-16 A		1	Ė	Qualifi	fication Review Period - CD Gravity S	Sludge Thick	eners Plant 1		1					į		-
CD33280	Shortlist Published - CD Gravity Sludge Thickeners Plant 1	0		16-Dec-16 A	1	•	Shortii	ist Published - CD Gravity Sludge Th	nickeners Pl	ant 1							-		
CD33290	Request for Proposals - CD Gravity Sludge Thickeners Plant 1	60	16-Jan-17*	16-Mar-17	1	į		Request for Proposals - CD Gravity	Sludge Thic	keners Plant	1						į		
CD33300	Proposals Due - CD Gravity Sludge Thickeners Plant 1	0	17-Mar-17		1			Proposals Due - CD Gravity Sludge	!!!	1 1									
CD33310	Proposal Review Period - CD Gravity Sludge Thickeners Plant 1	31	17-Mar-17	16-Apr-17			- 1	Proposal Review Period - CD Grav	i i	i i	ant 1								
CD33320	Award Recommendation - CD Gravity Sludge Thickeners Plant 1	0	17-Apr-17]			Award Recommendation - CD Gra	1 1	1 1	1 1 1								
CD33330	Contract Negotiations - CD Gravity Sludge Thickeners Plant 1	72	17-Apr-17	27-Jun-17	1			Contract Negotiations - CD G	1 1	1 1	1 1								
CD10730	Procurement - CD Gravity Sludge Thickeners Plant 1	459	29-Mar-16 A	27-Jul-17		į		Contact regulations CD G	.avity Olddy	THOROTOR		D Gravity S	ludge Thickener	s Plant 1			i		
CD33360	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 1	30	28-Jun-17	27-Jul-17				Final Annuals (DCC 14-	nr Dial M	mt) Ch C									
CD82760	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 1	0	06-Oct-18*		1			Final Approvals (BCC, May	i i	i i	i i i	i i	Thicker- D						
CD80930	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 1	0		05-Oct-19*	1 1				▼ EPA Stan	1 1	durement - CD Gra	1 1	1 ! !	1 1	Lili	1	į		- }
	e a constant and a co	1366	27-Jul-17	23-Apr-21	H÷		ļ	· - <u> </u>	<u> </u>		EPA Compliano	e vate; for P	rocurement - CD	ravity Sludq يا ي	Te:lipickeue	ers. #Jant.1;.			

	ree Schedule - December 2016 Update			Standard Lay		` '												14:20 - P		
activity ID	Activity Name	Original Duration	Start	Finish		2016 ! Q3 Q4		017 Q3	Q4 Q1	2018 Q2 Q		2019 Q2 Q3 Q4	2020 Q1 Q2 0		2021 I Q2 Q3 Q4	2022 Q1 Q2 Q		2023 Q1 Q2		2024 Q1 Q2
CD33350	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 1	0		27-Jul-17				◆ Des	sian-Buildet	NTP - CF	Cravity Slude	e Thickeners Plant	1							
CD32690	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 1	330	28-Jul-17	22-Jun-18					7	! !	1 1	ng by Design-Builder	1 1	Sludge Thicken	ners Plant 1					
CD32700	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 1	180	23-Feb-18	21-Aug-18						i i	i i	Review - CD Gravity	1 1	i i	<u>.i.</u>					
CD10950	Construction - CD Gravity Sludge Thickeners Plant 1	565	04-Mar-18	19-Sep-19									1 1	; ;	Construction -	CD Gravity Slude	ge Thicken	ers Plant 1		
CD11160	Substantial Completion (CD Compliance Date 4/23/21) - CD Gravity Sludge Thickeners Plant 1	0		19-Sep-19*								◆ Subs	tantia Comple	etion (CD Com	pliance Date 4/23/21) - CD Gravity SI	ludģe Thi¢k	eners Plant	1	
CD82770	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 1	0	06-Oct-19*		_							♦ EPA	Start Date for	Construction -	CD Gravity Sludge T	hickeners Plant	1			
CD40100	Project Closeout - CD Gravity Sludge Thickeners Plant 1	90	20-Sep-19	18-Dec-19*									Project Close	out - CD Gravit	ty Sludge Thickeners	Plant 1				
CD80940	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 1	0	0414 454	23-Apr-21*		. j j		<u>ii</u>	<u>ii</u>			<u>-iii</u>	18-Dec-10 Pr	roject Administ		ce Date for Cons	struction - C	D.Gravity.SI	udge Thic	keners Pla
Project Administration CD34050	WASD Project Administration - CD Gravity Sludge Thickeners Plant 1	1666 1666	01-May-15 A 01-May-15 A	18-Dec-19 18-Dec-19	-							 								
	e Thickeners Plant 2	2017	11-Jun-14 A	18-Dec-19									.WASD Projec 18-Dec-19, 2.	ct Administratio 13 Gravity Slud	on - CD Gravity Sludg dge Thickeners Plan	je Thickeners Plant if 2 ; ; ;	lant 1			
Pre-Design	THICKENETS FIGURE	58		31-Mar-15 A	Design											 				
CD21080	Negotiate/Award Balance of Design - CD Gravity Sludge Thickeners Plant 2	59	01-Feb-15 A	31-Mar-15 A	- 7	(D	0	1												
Engineering Design	, , , , , , , , , , , , , , , , , , ,	892	11-Jun-14 A	23-Nov-16 A	Balance of	f Design - CD	23-Nov-16 A	ige inici , Engine	keners Plan ering Desig	n						 				+
CD21020	Complete Technical Memorandum - CD Gravity Sludge Thickeners Plant 2	235	11-Jun-14 A	31-Jan-15 A	Mem orandi	lum - CD Grav	ity Sludge Th	; hickene	rs Plant 2											
CD82780	EPA Start Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	0	01-Oct-15 A		1 :	for Engineerin		1 1	- : :	hickeners	s Plant 2									
CD21730	Basis of Design Report (BODR) - CD Gravity Sludge Thickeners Plant 2	236	01-May-15 A	22-Dec-15 A		Design Repor	17	! !	- ! - !	!!!	1 1									
CD21740	BODR Design Review - CD Gravity Sludge Thickeners Plant 2	36	23-Dec-15 A	27-Jan-16 A		Design Revie		1 1		1 1	1 1									
CD10510	Engineering Design - CD Gravity Sludge Thickeners Plant 2	658	11-Jun-14 A	29-Mar-16 A	- DODIN		ng Design -													
CD41070	Issue Final RDBS - CD Gravity Sludge Thickeners Plant 2	0		29-Mar-16 A	♦ Iss	sue Final RDB		1 1												
CD30160	Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2	90	28-Jan-16 A	26-Apr-16 A	1 1	1 1	1	i i	i i	i i	- Sludge Thicken	iers Plant 2								
CD30190	DCP Design Review - CD Gravity Sludge Thickeners Plant 2	23	27-Apr-16 A	19-May-16 A		DCP Design	1.11			1 11	100									
CD80950	EPA Compliance Date for Engineering Design - CD Gravity Sludge Thickeners Plant 2	0		22-Jul-16 A	_	1 1		1 1	i i			ge Thickeners Plant	2							
CD33370	Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 2	274	04-Jan-16 A	27-Oct-16 A	- 1	- 1		: :	: :	: :	1 1	Thickeners Plant 2	-							
CD30200	Final DCP Submittal - CD Gravity Sludge Thickeners Plant 2	183	20-May-16 A	23-Nov-16 A							Thickeners Pl 10-Sep-18,					<u> </u>				1
Permitting		929	29-Jan-16 A	10-Sep-18							10-Sep-18,	Permitting								
CD80960	EPA Compliance Date for Permitting - CD Gravity Sludge Thickeners Plant 2	0	06-Apr-17*				♦ EPA	A Comp	liance Date	for Perm	itting - CD Gra	vity Sludge Thicken	ers Plant 2							
CD30230	FDEP Permit - CD Gravity Sludge Thickeners Plant 2	457	29-Jan-16 A	29-Apr-17			FC	DEP Pe	mit - CD G	avity Sluc	dge Thickeners	Plant 2								
CD82790	EPA Start Date for Permitting - CD Gravity Sludge Thickeners Plant 2	0		11-Dec-17*	_				◆ EPA \$	Start Date		- CD Gravity Sludge								
CD10600	Permitting - CD Gravity Sludge Thickeners Plant 2	929	29-Jan-16 A	10-Sep-18						- 05 4		-CD Gravity \$ludge	Thickeners Pl	ant 2		ļļļ				ļļ
Procurement	DDDO Ocatha Danasana A OD Ocatha Oladar Thislandar Blant O	738	29-Mar-16 A	05-Apr-18	- T					U5-Apr-	-18, Procureme	ent								
CD33380	RDBS Sent to Procurement - CD Gravity Sludge Thickeners Plant 2	112	29-Mar-16 A	10 Iul 16 A	_ ♦ RD	OBS Sent to Pi		1 1	, ,		1 1								į	
CD33390	Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 2	113	29-Mar-16 A	19-Jul-16 A		i i	1	1 1	i i		1 1	ity Sludge Thickener	s Plant 2							
CD33400 CD33410	Advertise RDBS - CD Gravity Sludge Thickeners Plant 2 Request for Qualifications - CD Gravity Sludge Thickeners Plant 2	59	20-Jul-16 A 20-Jul-16 A	16-Sep-16 A	-	1 1	RDB\$ - CD	1 5	F :	: :	1 1									
CD33410 CD33420	Qualifications Package Due - CD Gravity Studge Thickeners Plant 2	0	17-Sep-16 A	10-Sep-10 A	-	1 1	i i	i i	i i		e Thickeners F	i i i								
CD33420 CD33430	Qualification Review Period - CD Gravity Sludge Thickeners Plant 2	45	•	16-Dec-16 A	-	◆ Qual	1 :	: :	: :	: :	dge Thickeners									
CD33440	Shortlist Published - CD Gravity Sludge Thickeners Plant 2	0	17-0cp-10 A	16-Dec-16 A	-			1 1			ty Sludge Thick	1 1 1								
CD33450	Request for Proposals - CD Gravity Studge Thickeners Plant 2	60	16-Jan-17*	16-Mar-17	-	•		1			Thickeners Pl	1 1								
CD33460	Proposals Due - CD Gravity Sludge Thickeners Plant 2	0	17-Mar-17	10 Mai 17	-			: :		! !	ty \$ludge Thic	1 1 1							į	
CD82800	EPA Start Date for Procurement - CD Gravity Sludge Thickeners Plant 2	0	06-Apr-17*		- :			1 1	1 1	i i	ge Thickeners	1 1 1								
CD33470	Proposal Review Period - CD Gravity Sludge Thickeners Plant 2	31	17-Mar-17	16-Apr-17	\dashv		- 1	1				ludge Thickeners Pl	ant 2							
CD33480	Award Recommendation - CD Gravity Sludge Thickeners Plant 2	0	17-Apr-17	1074111	-			1 1				Thickeners Plant 2								
CD33490	Contract Negotiations - CD Gravity Sludge Thickeners Plant 2	72	17-Apr-17	27-Jun-17	-			: :	- : :	: :	1 1 1 1	Thickeners Plant 2								
CD10860	Procurement - CD Gravity Sludge Thickeners Plant 2	459	29-Mar-16 A	27-Jul-17	<u> </u>	i i		Contr	ract Negotia			e Thickeners Plant avity Sludge Thicker								
CD33500	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Gravity Sludge Thickeners Plant 2	30	28-Jun-17	27-Jul-17						: :	1 1	1 1 1 1	1 1	DI 10						
CD80970	EPA Compliance Date for Procurement - CD Gravity Sludge Thickeners Plant 2	0		05-Apr-18*	\exists			- Fin				mt.) - CD Gravity Slu			Blant 2					
De sign-Build		874	27-Jul-17	18-Dec-19	1			† ***	<u>i</u>	▼. EPA Co	oinpliance Dat	e for Procurement -	avity Siud 18-Dec-19, D	uue inickeners esign-Build	s.riant2	1				1
CD33510	Design-Builder NTP - CD Gravity Sludge Thickeners Plant 2	0		27-Jul-17				♠ De	sian-Ruilde	NTP - CF) Gravity Slude	e Thickeners Plant	,							
CD82810	EPA Start Date for Construction - CD Gravity Sludge Thickeners Plant 2	0	06-Apr-18*		1			1 06	1 1	1 1	1 1	nstruction - CD Grav		keners Plant 2						
CD30240	Final Engineering by Design-Builder - CD Gravity Sludge Thickeners Plant 2	330	28-Jul-17	22-Jun-18					1 1	1 1	1 1	ng by Design-Builder	1 1	1 1	1 1 1					
CD30250	AHJ Permit Review - CD Gravity Sludge Thickeners Plant 2	180	23-Feb-18	21-Aug-18				1		!!!	1 1	Review - CD Gravity	1 1	! !					į	
CD11040	Construction - CD Gravity Sludge Thickeners Plant 2	565	04-Mar-18	19-Sep-19											e Thickeners Plant 2					
CD11200	Substantial Completion (CD Compliance Date 10/23/19) - CD Gravity Sludge Thickeners Plant 2	0		19-Sep-19*								1 1	1 1	1 1	pliance Date 10/23/1	1 1 1	Sludge Thic	keners Plan	t 2	
CD80980	EPA Compliance Date for Construction - CD Gravity Sludge Thickeners Plant 2	0		23-Oct-19*								i i i	1 1	1 1 1	truction - CD Gravity	1 1 1	1 1	i i		
CD40110	Project Closeout - CD Gravity Sludge Thickeners Plant 2	90	20-Sep-19	18-Dec-19*	1	<u>. j </u>	<u> </u>	<u>i. </u>	<u></u>	<u> </u>					ty Sludge Thickeners tration					.il
Project Administration		1666	01-May-15 A	18-Dec-19			1				1 1	 	18-Dec-19, Pr	roject Administ	tration					
CD34060	WASD Project Administration - CD Gravity Sludge Thickeners Plant 2	1666	01-May-15 A	18-Dec-19		<u> </u>	· · · · · · · · · · · · · · · · · · ·	· '	; ;			<u> </u>	WASD Project	t Administratio	on - CD Gravity Sludg	e Thickeners Pl	ant 2			<u> </u>
2.14 Digesters Plan	nt1	3150	06-Jun-17	19-Jan-26											1	1 1		1 1		
2.14.1 Cluster 1		2570	06-Jun-17	18-Jun-24		1	*				,									ļ
Pre-Design		150	06-Jun-17	02-Nov-17			*		▼ 02-Nov-	17, Pre-De	esign									
CD11312	Pre-Design - CD Digesters Plant 1 Cluster 1	150	06-Jun-17*	02-Nov-17	1			, i	Pre-Des	ignCD.[Digesters Plan	t 1 Cluster 1	<u>ii</u>	- بروداری <u>- داد - د</u>		ļ.,				ļļ
Engineering Design	Paris of Davies Depart (DODD), OD C: 1 DV 14 CV 1 A	1098	03-Nov-17	04-Nov-20											v-20, Engineering De	sign				
CD21320	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 1	60	03-Nov-17	01-Jan-18	-				Bas	is of Desi	ign Report (BO	DR) - CD Digesters	Plant 1 Cluster	r1						
CD21330	30% Design Submittal - CD Digesters Plant 1 Cluster 1	90	02-Jan-18	01-Apr-18	4					30% De	esign Submitta	al - CD Digesters Pla	nt 1 Cluster 1							
CD21340	30% Design Review - CD Digesters Plant 1 Cluster 1	14	02-Apr-18	15-Apr-18	-					□ 30% □	Design Review	-CD Digesters Plan	t 1 Cluster 1							
CD21350	60% Design Submittal - CD Digesters Plant 1 Cluster 1	110	16-Apr-18	03-Aug-18	-						60% Design	Submittal - CD Dige	sters Plant 1 C	Cluster 1						
CD21360	60% Design Review - CD Digesters Plant 1 Cluster 1	14	04-Aug-18	17-Aug-18				<u> </u>	- :		1 60% Design	Review - CD Diges	ters Plant 1 Cli	uster 1	<u> </u>	<u>i i i </u>		<u>i i</u>	i	<u> </u>

	ree Schedule - December 2016 Update	1		Standard Layo			(By Pha	,	247			24.0			2042			0000			0001				Jan-1	7 14:2		age No.	
vity ID	Activity Name	Original Duration	Start	Finish		2016 02 Q3	Q4 Q		017 03 0	04 01		018 _{O3}	Q4 Q1		2019 O3	Q4	Q1	2020 Q2 Q3	04		2021 2 Q3	Q4	01 0	2022 02 03	Q4	Q1	2023 Q2 Q		202 Q1
CD21370	100% Design Submittal - CD Digesters Plant 1 Cluster 1	80	18-Aug-18	05-Nov-18								! !			+	-		esters Pla											+
CD11260	Engineering Design - CD Digesters Plant 1 Cluster 1	398	03-Nov-17	05-Dec-18										Design	Cubii	illia (i i		ngineering	Design	- CD Di	gesters	Plant 1 (Cluster	1			
CD40390	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 1	30	06-Nov-18	05-Dec-18									100	% Desi	ion Re	view/Pe	: emit F	¦ Ready Subr	¦ nittal - C	D Diaeste	ers Plant	1 Cluste	er 1						
CD82820	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0	01-May-20*															♦ EPAS	- 1		- 1	1 1		sters Pla	¦ ant 1 Cl	uster 1			
CD80990	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 1	0		04-Nov-20*			ļ		ļļ.				<u></u>				<u> </u>	<u> </u>		PA.Compli	iance Da	ate for Er	ngin eeri	ng Desiç	gἡCD.	Digeste	ers. Pjant	r_1.Clustr	er 1
Permitting	D 181 OD D1 1 D1 14 OL 1 4	1065		04-Nov-21									•								i			-	٥	1 1	1	1	
CD11310	Permitting - CD Digesters Plant 1 Cluster 1	180		03-Jun-19	-								Ė									Per	mitting	- CD Dig	gesters	Plant 1	Cluster	1	
CD82830 CD81000	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 1 EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 1	0	05-Nov-20*	04-Nov-21*	-														♦ E	PA Start Da	ate for P								
	EPA Compliance date for Permitting - CD digesters Plant 1 Cluster 1	1250	04-Jun-19	04-Nov-21			ļ		}}-			·					ļ						A.Comp	ijance D	ate for	Permifit 4-Nov-2	ng <u>- CD.</u> 2. Prócu	Digester rement	rs Plant
Procurement CD84050	Internal Bid Package Review - CD Digesters Plant 1 Cluster 1	3	04-Jun-19	06-Jun-19	-	į								1.					, ,			1 1			1.	[,		
CD31680	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 1	0	07-Jun-19												1	1	!	ge Review	!	5 !		1 1	Clubto	- 1					
CD31690	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 1	60	07-Jun-19	05-Aug-19	1										1	1		s Sent to F ve SBD Go				1 1	1		1 Clust	or 1			
CD31700	Advertise Bid Package - CD Digesters Plant 1 Cluster 1	0	06-Aug-19			į									- 1		1	үе овр оо Package -	- 1		- 1	1 1	Digeste	SFIAIIL	Gusi	lei i			
CD31710	Bid Solicitation Period - CD Digesters Plant 1 Cluster 1	60	06-Aug-19	04-Oct-19											1	1	1	tation Perio		! !	1	1 1							
CD31720	Bids Due - CD Digesters Plant 1 Cluster 1	0	05-Oct-19			į								-	-	i	i	- CD Diges	i	i i	i	Jiustoi i							
CD31730	Bid Review Period - CD Digesters Plant 1 Cluster 1	30	05-Oct-19	03-Nov-19												1	!	iew Period	:	! !		uster 1							
CD31740	Award Recommendation - CD Digesters Plant 1 Cluster 1	0		03-Nov-19												1	1	Recommer	1			1 1	ster 1						
CD11430	Procurement - CD Digesters Plant 1 Cluster 1	270	07-Jun-19	02-Mar-20											<u> </u>					,,,,,,				_	P	rocure	nent - CE	D Digeste	ers Plar
CD31750	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 1	120	04-Nov-19	02-Mar-20	1													Final Appr	ovals (Bo	C, Mayor.	; Risk M	lgmt.) - C	Dige	sters Pla	ant 1 Cl	uster 1			
CD82840	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 1	0	05-Nov-21*		1														1			71	1	- :	- 1	: :	: DD Diges	sters Plar	ant 1 Cli
CD81010	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 1	0		04-Nov-22*	4		<u> </u>		1								ļ <u>.</u> .	<u> </u>				<u> </u>			1	1 1	100	Date for	1 1
Construction	Onderstand All Description of Descri	1569	03-Mar-20	18-Jun-24	1																				-				
CD11538	Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 1	0	03-Mar-20	150.00	-												•	Contracto	Notice	o Proceed	l (NTP) -	CD Dige	esters P	Iant 1 CI	luster 1				
CD11540	Construction - CD Digesters Plant 1 Cluster 1	592	03-Mar-20	15-Oct-21	-																_	•			-				
CD11620	Substantial Completion (CD Compliance Date 6/18/24) - CD Digesters Plant 1 Cluster 1	0	40.0 1.01	15-Oct-21*	_									1								♦ Subs	stantial	Complet	tion (CE	Compl	iance D	ate 6/18/	/24) - C[
CD40120	Project Closeout - CD Digesters Plant 1 Cluster 1	90	16-Oct-21	13-Jan-22*	_																		Projec	t Closec	out - CD	Digest	ers Plan	nt 1 Cluste	ter 1
CD82850	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 1	0	05-Nov-22*	40 1 04*	-	į																			♦ E	PA Start	Date fo	or Constru	uction -
CD81020	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 1	4500	00 Nov. 47	18-Jun-24*	-		ļ		·····													<u> </u>	7 13 lai	n-22, Proj	¦ Nect Δd	minietra	tion :		
Project Administration CD34070	WASD Project Administration - CD Digesters Plant 1 Cluster 1	1533 1533	03-Nov-17 03-Nov-17	13-Jan-22 13-Jan-22	-				'			1 1												1 1	1	1 1	- 1		
2.14.2 Cluster 2	WAGD FIGGER Administration - OD Digestels Frank Foldstel F	2937	05-Nov-17 05-Jan-18	19-Jan-26			÷		÷	-						+			-				_ WĄSI	Project	t Admin	stration	CD Di	igesters E	Plant 1
Pre-Design		150		03-Jun-18			÷		ļ <u>-</u>	··· \		03-Jur	-18, Pre-D	esign			ļ	<u> </u>				ļ				 			
CD11322	Pre-Design - CD Digesters Plant 1 Cluster 2	150		03-Jun-18	-						1	1 1	1	! -	DI.														
Engineering Design		1464	04-Jun-18	06-Jun-22			·		† <u>-</u>		7	Pie-De	sign.÷CD	Luigesi	ters. Pr	ant L Ci	uster.							▼ 06-J	un-22, I	Enginee	ring Des	ign	
CD21380	Basis of Design Report (BODR) - CD Digesters Plant 1 Cluster 2	60	04-Jun-18	02-Aug-18	1							B ₂	sis of Des	sian Re	nort (R	: ΜΠΒ) -	CDD	gesters Pl	ant 1 Cli	istor 2									
CD21390	30% Design Submittal - CD Digesters Plant 1 Cluster 2	90	03-Aug-18	31-Oct-18							-	1 1	i	i i	i	i	i	sters Plan	i	i i	-								
CD21400	30% Design Review - CD Digesters Plant 1 Cluster 2	14	01-Nov-18	14-Nov-18	1									1	!	!	!	ters Plant	!	!									
CD21410	60% Design Submittal - CD Digesters Plant 1 Cluster 2	110	15-Nov-18	04-Mar-19		i							40%		1	1	1	CD Digest			2								
CD21420	60% Design Review - CD Digesters Plant 1 Cluster 2	14	05-Mar-19	18-Mar-19										- 1	i	1	;	D Digeste	- 1		- 1								
CD21430	100% Design Submittal - CD Digesters Plant 1 Cluster 2	80	19-Mar-19	06-Jun-19		1									1	1	1	mittal - CD			1	2							
CD11440	Engineering Design - CD Digesters Plant 1 Cluster 2	398	04-Jun-18	06-Jul-19	_	į				İ		1									Ì	1 =	i	Engir	neering	Design	ı - CD Di	igesters l	Plant 1
CD40400	100% Design Review/Permit Ready Submittal - CD Digesters Plant 1 Cluster 2	30	07-Jun-19	06-Jul-19											<u>i</u> 10	0¦% Des	¦ sign R	: eview/Pem	nit Read	y Submitta	al - CD E	Digesters	: Plant 1	Cluster	2				
CD82860	EPA Start Date for Engineering Design - CD Digesters Plant 1 Cluster 2	0	01-Dec-21*											1		-	1				-	♦ E	PA Star	ι Date for	r Engin	ering D	esign -	CD Diges	esters P
CD81030	EPA Compliance Date for Engineering Design - CD Digesters Plant 1 Cluster 2	0		06-Jun-22*	4		ļ	<u>ļ</u>	ļİ.			ļļ			<u> </u>	<u>.i</u>	<u> </u>	<u> </u>	<u> </u>		<u></u>	<u>ii.</u>	<u>i</u>					ngin eeri r Jun-23, T	
Permitting	D 305 OD D: 4 D: 4401 : 2	1431	07-Jul-19	06-Jun-23		-													1		1	1			1	1 1	:	- 1	1 1
CD11470	Permitting - CD Digesters Plant 1 Cluster 2	180	07-Jul-19	02-Jan-20	-											+	į				-				-		Pe	ermitting -	- CD Dir
CD82870	EPA Start Date for Permitting - CD Digesters Plant 1 Cluster 2	0	07-Jun-22*	06 1 00*	-	-		-			-	1									-			♦EPA	\$tart D	ate for F	- :	na - CD Di	- 1 1
CD81040	EPA Compliance Date for Permitting - CD Digesters Plant 1 Cluster 2	1010	02 100 20	06-Jun-23*			÷		ļļ.			ļļ					<u> </u>	<u> </u>				<u>ii.</u>				<u></u>	◆ EP	PA Compl	liance L
Procurement CD84060	Internal Bid Package Review - CD Digesters Plant 1 Cluster 2	1616	03-Jan-20 03-Jan-20	05-Jun-24 05-Jan-20	-														-							1 1			
CD31760	Design Documents Sent to Procurement - CD Digesters Plant 1 Cluster 2	0	06-Jan-20	55 Jan 1-20	1	-											į	mal Bid Pa			1	1 1	1	- 1					
CD31700	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 1 Cluster 2	60		05-Mar-20	-											1	;	ign Docur	- 1	;	- 1	1 1	- ;		- 1	: :			
CD31770	Advertise Bid Package - CD Digesters Plant 1 Cluster 2	00	06-Mar-20	50 Mai-20	1												1	Submit/Ar		!		1 1			idester	\$Plant	1 Cluste	٢2	
CD31790	Bid Solicitation Period - CD Digesters Plant 1 Cluster 2	60	06-Mar-20	04-May-20	1												;	Advertise	- 1		177	1 1	;	- ;					
CD31800	Bids Due - CD Digesters Plant 1 Cluster 2	0	05-May-20		1												: -	■ Bid So	!			1 1		uster 2					
CD31810	Bid Review Period - CD Digesters Plant 1 Cluster 2	30	· · · · · · · · · · · · · · · · · · ·	03-Jun-20	1															Digesters		1 1		ator ¹ 2					
CD31820	Award Recommendation - CD Digesters Plant 1 Cluster 2	0		03-Jun-20	1													; ;	- 1	Period - CI	- 1	1 1	- 1	- 1	2				
CD11550	Procurement - CD Digesters Plant 1 Cluster 2	270	06-Jan-20	01-Oct-20	1	1						1						→ Awa	iiu Keco	mmendati	OII - CD	ugeste	is Plant	ı Ģiuste	U ∠		÷		+
CD31830	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 1 Cluster 2	120		01-Oct-20	1															I Appre	c (PCC	Mara	Diel Ma-	mt\ Cr	Dice-	tom Df-	nt 1 Cli	ieter 2	
CD82880	EPA Start Date for Procurement - CD Digesters Plant 1 Cluster 2	0	07-Jun-23*		1												1		- rina	I Approval:	a (DCC,	ıvıay01, F	NSK IVIQ	into) - CD	igesاصار	PIEIS PIA		ister 2 PA Start D	Date for
CD81050	EPA Compliance Date for Procurement - CD Digesters Plant 1 Cluster 2	0		05-Jun-24*	1							1															▼ ;EP:	A GIGIT D	vale IOF
Construction		1936	02-Oct-20	19-Jan-26	1		†	·	† 			; <u>;</u>				- †	į	 	+			 			1	+	++++		+
CD11608	Contractor Notice to Proceed (NTP) - CD Digesters Plant 1 Cluster 2	0	02-Oct-20			!											1		♦ Cor	tractor Not	tice to P	roceed (NTP)- C	; D Dines	ters Pl	i ; ant 1 Gli	usterl2		
CD11610	Construction - CD Digesters Plant 1 Cluster 2	593	02-Oct-20	17-May-22															501				٠-٠٠ - ١	_ 5,908					
CD11680	Substantial Completion (CD Compliance Date 1/19/26) - CD Digesters Plant 1 Cluster 2	0		17-May-22*	1	!											1				-			Suhet	antial C	: Completi	ion (ĈD :	Complia	ance Da
CD40130	Project Closeout - CD Digesters Plant 1 Cluster 2	90	18-May-22	15-Aug-22*	1									1									i	i	i	i i	- 1	Digesters	- 1 1
	EPA Start Date for Construction - CD Digesters Plant 1 Cluster 2																												- iuiii

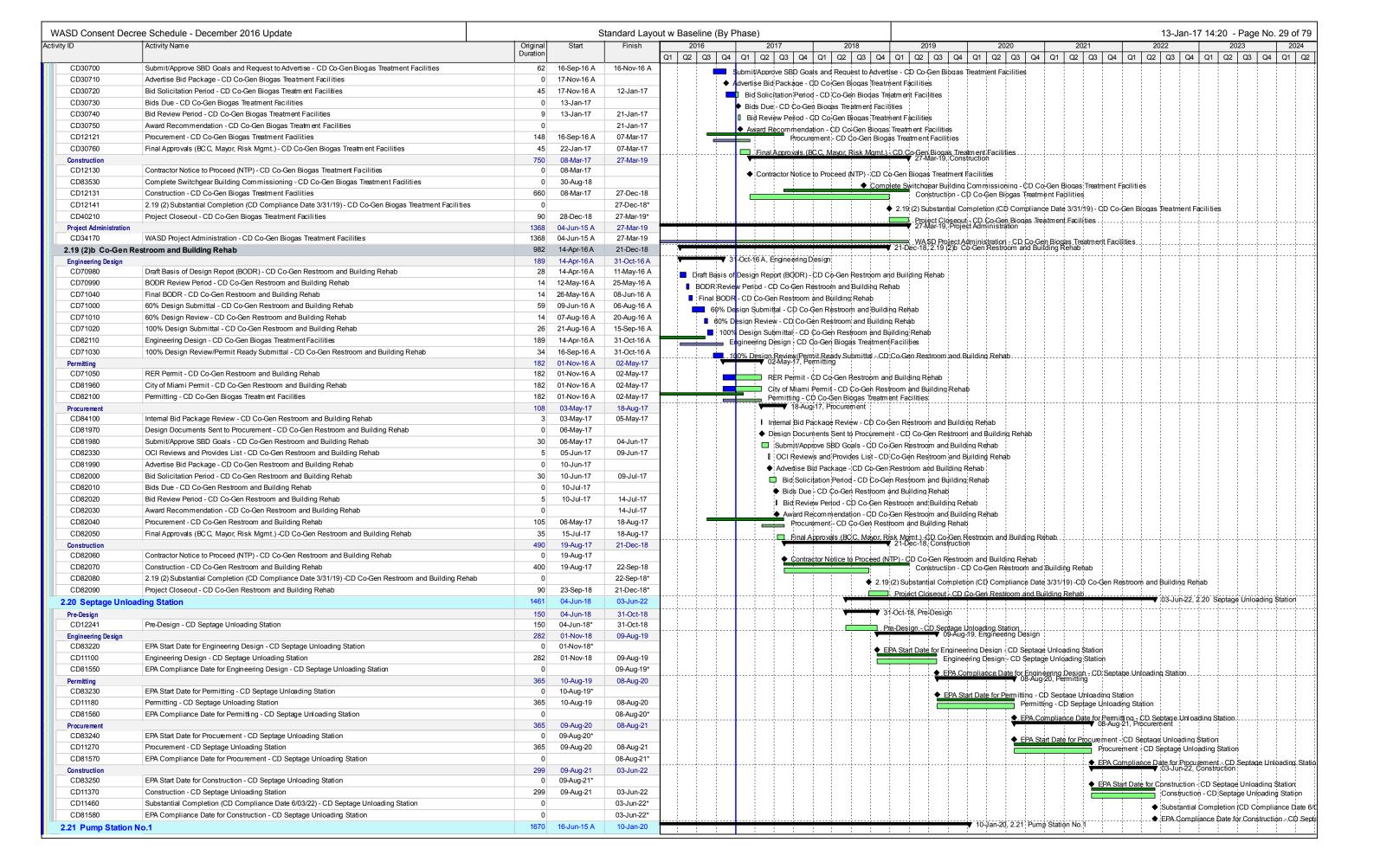
WASD Consent Decr	ree Schedule - December 2016 Update		5	Standard Lay	out w Baseline (By Phase)					13-Ja	an-17 14:20 - P	age No. 24 of 79
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	2018 Q1 Q2 Q3 Q4	2019 Q1 Q2 Q3 Q4 Q	2020 1 Q2 Q3 Q4	2021 Q1 Q2 Q3	2022 Q4 Q1 Q2 Q3	Q4 Q1 Q2 0	
CD81060	EPA Compliance Date for Construction - CD Digesters Plant 1 Cluster 2	0		19-Jan-26*								
Project Administration		1534	04-Jun-18	15-Aug-22		-				1:	5-Aug-22, Project Ad	ministration
CD34080	WASD Project Administration - CD Digesters Plant 1 Cluster 2	1534	04-Jun-18	15-Aug-22					1 1 1		ASD Project Admin	istration - CD Digeste Digesters Plant 2
2.15 Digesters Plan	nt 2	3048	11-Jun-14 A	14-Oct-22		02-01-18	, 2.15.1 Cluster 1					
2.15.1 Cluster 1		1483	11-Jun-14 A	02-Jul-18	Oct-15 A, Engineering Design	02-3ul-10	, z.13. r Gluster i					
Engineering Design CD82900	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 1	505	11-Jun-14 A 11-Jun-14 A	29-Oct-15 A								
CD21750	30% Design and Final BODR Submittal - CD Digesters Plant 2 Cluster 1	314	11-Jun-14 A	20-Apr-15 A	n - CD Digesters Plant 2 Cluster 1							
CD21760	30% Design Review - CD Digesters Plant 2 Cluster 1	4	20-Apr-15 A	23-Apr-15 A	Final BODR Submittal - CD Digesters Plant 2 C	luster 1						
CD20130	NTP for Remaining Design - CD Digesters Plant 2 Cluster 1	0	27-Apr-15 A	201 41 1011	view - CD Digesters Plant 2 Cluster 1							
CD20170	60% Design Submittal - CD Digesters Plant 2 Cluster 1	114	23-Apr-15 A	14-Aug-15 A	hing Design - CD Digesters Plant 2 Cluster 1							
CD20180	60% Design Review - CD Digesters Plant 2 Cluster 1	13	14-Aug-15 A	26-Aug-15 A	sign Submittal - CD Digesters Plant 2 Cluster 1 esign Review - CD Digesters Plant 2 Cluster 1							
CD20190	100% Design Submittal - CD Digesters Plant 2 Cluster 1	34	27-Aug-15 A	29-Sep-15 A	b Design Submittal - CD Digesters Plant 2 Cluster	yr 1						
CD10030	Engineering Design - CD Digesters Plant 2 Cluster 1	455	01-Jul-14 A	29-Sep-15 A	gineering Design - CD Digesters Plant 2 Cluster	1'						
CD81070	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 1	0		29-Oct-15 A	A Compliance Date for Engineering Design - CD	Digesters Plant 2 Cluste	er 1					
Permitting		329	30-Sep-15 A	24-Aug-16 A	A Compliance Date for Engineering Design - CD. 24-Aug-16 A Permitting							
CD82910	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 1**	0	30-Sep-15 A		Start Date for Permitting - CD Digesters Plant 2 C	luster 1**						
CD80100	FDEP Permit - CD Digesters Plant 2 Cluster 1	169	30-Sep-15 A	16-Mar-16 A	FDEP Permit - CD Digesters Plant 2 Cluste	er 1						
CD81080	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 1**	0		27-Mar-16 A	◆ EPA Compliance Date for Permitting - CD		er 1**					
CD10110	Permitting - CD Digesters Plant 2 Cluster 1	330	30-Sep-15 A	24-Aug-16 A	Permitting - CD Digesters Plant	2 Cluster 1						
CD80110	City of Miami Building Permit - CD Digesters Plant 2 Cluster 1	234	04-Jan-16 A	24-Aug-16 A	City of Miaml Building Permit - 31-Dec-16, Procureme	CD Digesters Plant 2 Cl	uster.1					
Procurement	Oursey Drs Divishage Dispeter Cours (4) CD Dispeters Diant 2 Cluster 4	871	14-Aug-14 A	31-Dec-16								
CD12171 CD82920	Owner Pre-Purchase Digester Cover (1) - CD Digesters Plant 2 Cluster 1 EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 1	222	14-Aug-14 A 28-Mar-16 A	23-Mar-15 A	se Digester Cover (1) - CD Digesters Plant 2 Clus							
CD82920 CD30610	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 1	0	15-Apr-16 A		◆ EPA Start Date for Procurement - CD Dige	i i i i						
CD30610 CD30620	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 1	84	15-Apr-16 A	07-Jul-16 A	→ Design Documents Sent to Procurement	1 1 7 1 1						
CD30620 CD30630	Advertise Bid Package - CD Digesters Plant 2 Cluster 1	04	08-Jul-16 A	07-5ul-10 A	Submit/Approve SBD Goals and Re	17 1 1 1	Digesters Plant 2 Cluster 1					
CD30640	Bid Solicitation Period - CD Digesters Plant 2 Cluster 1	46	08-Jul-16 A	22-Aug-16 A	→ Advertise Bid Package - CD Digest	1 1 1 1						
CD30650	Bids Due - CD Digesters Plant 2 Cluster 1		23-Aug-16 A	22-Aug-10 A	Bid Solicitation Period - CD Dig	1 1 1 1						
CD30660	Bid Review Period - CD Digesters Plant 2 Cluster 1	49	23-Aug-16 A	19-Oct-16 A	◆ Bids Due - CD Digesters Plant	i i i i						
CD30670	Award Recommendation - CD Digesters Plant 2 Cluster 1	0	2074ug-1074	19-Oct-16 A	Bid Review Period - CD Dig	: : : :						
CD10120	Procurement - CD Digesters Plant 2 Cluster 1	204	15-Apr-16 A	30-Oct-16 A	Award Recommendation - C		uster 1					
CD30680	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 1	25	20-Oct-16 A	30-Oct-16 A								
CD81090	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 1	0	20 001 1071	31-Dec-16*	Final Approvals (BCC, May							
Construction	277 Compliance Sale for Florations CS Signature Flam 2 States	1198	23-Mar-15 A	02-Jul-18	◆ EPA Compliance Date	for Procurement - CD Di 02-Jul-18	igesters Plant 2CJuster 1, Construction					
CD30260	Construction of Digester Cover (1) - CD Digesters Plant 2 Cluster 1	217	23-Mar-15 A	25-Oct-15 A	nstruction of Digester Cover (1) - CD Digesters Pl	ant 2 Cluster 1						
CD82930	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 1	0	24-Sep-16 A		◆ EPA Start Date for Construction	1 1 1 1	2 Cluster 1					
CD10378	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 1	0	31-Oct-16 A		◆ Contractor Notice to Proce							
CD10380	Construction - CD Digesters Plant 2 Cluster 1	1043	23-Mar-15 A	23-Apr-18	- Contractor Notice to 1 rock		- CD Digesters Plant 2 Cluste	r1				
CD40810	Construction (Remaining Scope) - CD Digesters Plant 2 Cluster 1	540	31-Oct-16 A	23-Apr-18			Remaining Scope) + CD Dige	1 1 1				
CD10770	Substantial Completion (CD Compliance Date 7/21/22) - CD Digesters Plant 2 Cluster 1	0		23-Apr-18*			ompletion (CD Compliance D			er 1		
CD81100	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 1	0		30-Apr-18*		1 1 1 1	nce Date for Construction - Cl					
CD40140	Project Closeout - CD Digesters Plant 2 Cluster 1	70	24-Apr-18	02-Jul-18*			loseout - CD Digesters Plant , Project Admini stration	1 1 1			<u> </u>	
Project Administration		1418	11-Jun-14 A	02-Jul-18		02-Jul-18	, Project Administration					
CD34090	WASD Project Administration - CD Digesters Plant 2 Cluster 1	1418	11-Jun-14 A	02-Jul-18		WASD P	oject Administration - CD Dig	esters Plant 2 Cluste	er 1			
2.15.2 Cluster 2		2772	19-Dec-14 A	21-Jul-22		L			. .	21-	Jul-22, 2.15 2 Clust	er 2
Pre-Design	Pro Docion CD Digoston Plant 2 Cluster 2	495	19-Dec-14 A	27-Apr-16 A	27-Apr-16 A, Pre-Design							
CD12181	Pre-Design - CD Digesters Plant 2 Cluster 2	137	19-Dec-14 A	04-May-15 A	D Digesters Plant 2 Cluster 2							
CD41120	Negotiate Scope & Fee for Balance of Design - CD Digesters Plant 2 Cluster 2	167	13-Nov-15 A	27-Apr-16 A	Negotiate Scope & Fee for Balance of D	esign - CD Digesters Pl	ant 2 Cluster 2	ian				
Engineering Design CD20200	Basis of Design Report (BODR) - CD Digesters Plant 2 Cluster 2	1314 100	04-May-15 A 05-May-15 A	07-Dec-18 12-Aug-15 A			2. 255 .c, Engineering Dec	9.				
CD20210	BODR Review Period - CD Digesters Plant 2 Cluster 2	14	13-Aug-15 A	26-Aug-15 A	Design Report (BODR) CD Digesters Plant 2 Cl	luster 2						
CD20260	100% Design Submittal - CD Digesters Plant 2 Cluster 2	52	28-Apr-16 A	18-Jun-16 A	Review Period - CD Digesters Plant 2 Cluster 2	DI 0 OI						
CD10390	Engineering Design - CD Digesters Plant 2 Cluster 2	478	04-May-15 A	23-Aug-16 A	100% Design Submittal - CD Digest	ters Plant 2 Cluster 2	Engineering Design - CD Di	nesters Plant 2 Clue	ter 2			
CD40450	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 2	66	19-Jun-16 A	23-Aug-16 A				gestels mant ziolus	ICI Z			
CD82940	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 2	0	10-Jan-18*	3	100% Design Review/Permit Re	i i i i	i i i i i	and Diamed Columbs				
CD81110	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 2	0		07-Dec-18*	 		dineering Design - CD Didest			Cluster 2		
Permitting		1201	24-Aug-16 A	07-Dec-19			EPA Compliance Date for E	iquieeung Design - (Dec-19, Permitting	בים Digesters Plant 2	u.usitei.2.		
CD82300	DERM Permit - CD Digesters Plant 2 Cluster 2	21	24-Aug-16 A	13-Sep-16 A	■ DERM Permit - CD Digesters	Plant 2 Cluster 2						
CD10540	Permitting - CD Digesters Plant 2 Cluster 2	111	24-Aug-16 A	17-Feb-17	DELIGIT CHITE-OD DIGESTERS	Z Ordoloi Z	Pe	mitting - CD Digeste	ers Plant 2 Cluster 2			
CD82310	City of Miami Permit - CD Digesters Plant 2 Cluster 2	90	14-Sep-16 A	17-Feb-17	City of Miami Perm	it - CD Digesters Plant 2						
CD82950	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 2	0	08-Dec-18*		Oity of wilding Fellin	the state of the state of	EPA Start Date for Permittin	a -CD Digesters Pla	nt 2 Cluster 2			
CD81120	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 2	0		07-Dec-19*		l	1 1 1 1 1		1 1 1 1	gesters.Plant 2 Cluster	2	
Procurement		1388	18-Feb-17	06-Dec-20	_ Viiii				06-Dec-20, Procure	gesters Plant 2 Cluster 2 ment		
CD84070	Internal Bid Package Review - CD Digesters Plant 2 Cluster 2	3	18-Feb-17	20-Feb-17	I Internal Bid Packad	e Review - CD Digester	s Plant 2 Cluster 2					
CD31840	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 2	0	21-Feb-17			1 1 1 1	CD Digesters Plant 2 Cluster	2				
CD31850	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 2	60	21-Feb-17	21-Apr-17		1 1 1 1	est to Advertise - CD Digesters	1 1 1				
CD31860	Advertise Bid Package - CD Digesters Plant 2 Cluster 2		22-Apr-17						1 1 i	i		1 1 1

	ree Schedule - December 2016 Update			<u> </u>	v Baseline (By Phase) 13-Jan-17 14:20 - Page	No. 25 of 79
vity ID	Activity Name	Original Duration	Start	Finish	2016	Q4 Q1 Q2
CD31870	Bid Solicitation Period - CD Digesters Plant 2 Cluster 2	60	22-Apr-17	20-Jun-17	+ + + + + + + + + + + + + + + + + + + + + +	Q4 Q1 Q2
CD31880	Bids Due - CD Digesters Plant 2 Cluster 2	0	21-Jun-17	20 00.1 17	Bid Solicitation Period -CD Digesters Plant 2 Cluster 2	
CD31890	Bid Review Period - CD Digesters Plant 2 Cluster 2	30	21-Jun-17	20-Jul-17	♦ Bids Due - CD Digesters Plant 2 Clyster 2	
CD31900	Award Recommendation - CD Digesters Plant 2 Cluster 2	0		20-Jul-17	Bid Review Period - CD Digesters Plant 2 Cluster 2	
CD10760	Procurement - CD Digesters Plant 2 Cluster 2	270	21-Feb-17	17-Nov-17	◆ Award Recommendation - CD Digesters Plant 2 Cluster 2 Procurement - CD Digesters Plant 2 Cluster 2	
CD31910	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 2	120	21-Jul-17	17-Nov-17		
CD82960	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2	0	08-Dec-19*		Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 2	
CD81130	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 2	0		06-Dec-20*	◆ EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 2	
Construction		1520	24-May-18	21-Jul-22	◆ EPA Compliance Date for Procurement - CD Digisters Plant 2.Cluster ✓ 21-Jul-22, Construction	#2
CD10978	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 2	0	24-May-18	2100122	A C-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
CD10980	Construction - CD Digesters Plant 2 Cluster 2	550		24-Nov-19	◆ Contractor Notice to Proceed (NTP) - CD Digesters Plant;2 Cluster 2 Construction - CD Digesters F	Plant 2 Cluster
CD11170	Substantial Completion (CD Compliance Date 7/21/22) - CD Digesters Plant 2 Cluster 2	0		24-Nov-19*		
CD40150	Project Closeout - CD Digesters Plant 2 Cluster 2	90	25-Nov-19	22-Feb-20*	◆ Substantial Completion (CD Compliance Date 7/21/22) CD Digesters Plant 2 Cluster 2	
CD82970	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2	0	07-Dec-20*		Project Closeout - CD Digesters Plant 2 Cluster 2	
CD81140	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 2	0		21-Jul-22*	◆ EPA Start Date for Construction - CD Digesters Plant 2 Cluster 2	
Project Administration	3	1670	05-May-15 A	22-Feb-20	▼ 22-Feb-20, Project Administration	Instruction - CD
CD34100	WASD Project Administration - CD Digesters Plant 2 Cluster 2	1670		22-Feb-20	W/ SC Paris 14 And 18 (And 18) And 18 (And 18) And 18 (And 18)	
2.15.3 Cluster 3	<u> </u>	2291	13-Apr-16 A	21-Jul-22	. WASD Project Administration - CD Digesters Plant 2 Cluster 2 ▼ 21,5ul-22, 2.15,3 Cluster 3	
Pre-Design		202	•	31-Jan-17	▼ 31-Jan-17, Pre-Design	
CD12191	Pre-Design - CD Digesters Plant 2 Cluster 3	202	13-Apr-16 A	31-Jan-17	Pre-Design - CD Directors Plant 2 Cluster 3	
Engineering Design		675	01-Feb-17	07-Dec-18	Pre-Design - CD Digesters Plant 2 Cluster 3 07-Dec-18, Engineering Design	
CD20330	100% Design Submittal - CD Digesters Plant 2 Cluster 3	120	01-Feb-17	31-May-17	:100% Design Submittal + CD Digesters Plant 2 Cluster 3	
CD10300	Engineering Design - CD Digesters Plant 2 Cluster 3	240	01-Feb-17	28-Sep-17	Engineering Design - CD Digesters Plant 2 Cluster 3	
CD40460	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3	120	01-Jun-17	28-Sep-17	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 3	
CD82980	EPA Start Date for Design - CD Digesters Plant 2 Cluster 3	0	10-Jan-18*		♦ EPA Start Date for Design - CD Digesters Plant 2 Cluster 3	
CD81150	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 3	0		07-Dec-18*		
Permitting		800	29-Sep-17	07-Dec-19	PPA Compliance Date for Engineering Design - CD. Dig esters Plant 2 Cluster 3. ▼ 07-Dec-19, Permitting	
CD10400	Permitting - CD Digesters Plant 2 Cluster 3	270	29-Sep-17	25-Jun-18	Permitting CD Digesters Plant 2 Cluster 3	
CD82990	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3	0	08-Dec-18*		◆ EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 3	
CD81670	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 3	0		07-Dec-19*		
Procurement		895	26-Jun-18	06-Dec-20	◆ EPA Compliance Date for Pemitting - CD. Digesters. Plant 2 Cluster 3 ▼ 06-Dec-20, Procurement	
CD84080	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	3	26-Jun-18	28-Jun-18	Internal Bid Package Review - CD Digesters Plant 2 Cluster 3	
CD31920	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 3	0	29-Jun-18		◆ Design Documents Sent to Procurement + CD Digesters Plant 2 Cluster 3	
CD31930	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3	60	29-Jun-18	27-Aug-18	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 3	
CD31940	Advertise Bid Package - CD Digesters Plant 2 Cluster 3	0	28-Aug-18		◆ Advertise Bid Package - CD Digesters Plant 2 Cluster 3	
CD31950	Bid Solicitation Period - CD Digesters Plant 2 Cluster 3	60	28-Aug-18	26-Oct-18	Bid Soligitation Period - CD Digesters Plant 2 Cluster 3	
CD31960	Bids Due - CD Digesters Plant 2 Cluster 3	0	27-Oct-18		◆ Bilds Due - CD Digesters Pfant 2 Cluster 3	
CD31970	Bid Review Period - CD Digesters Plant 2 Cluster 3	30	27-Oct-18	25-Nov-18	■ Bid Review Period - CD Digesters Plant 2 Cluster 3	
CD31980	Award Recommendation - CD Digesters Plant 2 Cluster 3	0		25-Nov-18	◆ Award Recommendation - CD Digesters Plant 2 Cluster 3	
CD10640	Procurement - CD Digesters Plant 2 Cluster 3	270	29-Jun-18	25-Mar-19	Awaii Necomment and Procurement - CD Digesters Plant 2 Cluster 3	
CD31990	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3	120	26-Nov-18	25-Mar-19	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 3	
CD83000	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 3	0	08-Dec-19*			
CD81170	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 3	0		06-Dec-20*	◆ EPA Start Date for Proculement - CD Digesters Plant 2 Cluster 3 ◆ EPA Compliance Date for Proculement - CD Digesters Plant 2 Cluster	0.2
Construction		940	25-Dec-19	21-Jul-22	21,5ul 22, Construction	4.2.
CD10878	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 3	0	25-Dec-19		♦ Contractor Notice to Proceed (NTP)- CD Digesters Plant 2 Cluster β	
CD83010	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3	0	07-Dec-20*		◆ EPA Start Date for Construction - CD Digesters Plant 2 Cluster 3	
CD10880	Construction - CD Digesters Plant 2 Cluster 3	550	25-Dec-19	26-Jun-21	Construction - CD Digesters F	Plant 2 Cluster
CD11140	Substantial Completion (CD Compliance Date 7/21/22) - CD Digesters Plant 2 Cluster 3	0		26-Jun-21*	♦ Substantial Completion (CD Compliance Date 7/21/22)	
CD40160	Project Closeout - CD Digesters Plant 2 Cluster 3	90	27-Jun-21	24-Sep-21*	Project Cldseout:- CD Digesters Plant 2 Cluster 3	i i
CD81180	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 3	0		21-Jul-22*		
Project Administration	· · · ·	1729	31-Dec-16	24-Sep-21		instruction 3 CD
CD34110	WASD Project Administration - CD Digesters Plant 2 Cluster 3	1729	31-Dec-16	24-Sep-21	WASD Project Administration CD Dispeters Plan	nt 2 Cluster 3
2.15.4 Cluster 4		2857	19-Dec-14 A	14-Oct-22	WASD Project Administration - CD Digesfers Plan ▼ 14-Oct-22, 2.15, 4 Clust	iter 4
Pre-Design		136	19-Dec-14 A	04-May-15 A	Pesign Pesign	1 1
CD12201	Pre-Design - CD Digesters Plant 2 Cluster 4	137	19-Dec-14 A	04-May-15 A	igesters; Plant 2 Cluster 4	
Engineering Design		1682	19-Mar-15 A	25-Oct-19	▼ 25-Oct-19, Engineering Design	
CD83020	EPA Start Date for Engineering Design - CD Digesters Plant 2 Cluster 4**	0	19-Mar-15 A		gineering Design - CID Digesters Plant 2 Cluster 4**	
CD20340	Basis of Design Report (BODR) - CD Digesters Plant 2 Cluster 4	100	05-May-15 A	12-Aug-15 A	sign Report (BODR) - CD Digesters Plant 2 Cluster 4	
CD20350	BODR Review Period - CD Digesters Plant 2 Cluster 4	14		26-Aug-15 A	riew Period - CD Digesters Plant 2 Cluster 4	
CD20380	60% Design Submittal - CD Digesters Plant 2 Cluster 4	57	19-Oct-15 A	14-Dec-15 A	% Design Submittal -CD Digesters Plant 2 Cluster 4	
CD20390	60% Design Review - CD Digesters Plant 2 Cluster 4	8	15-Dec-15 A	22-Dec-15 A		
CD81190	EPA Compliance Date for Engineering Design - CD Digesters Plant 2 Cluster 4**	0		11-Mar-16 A	% Design Review - QD Digesters Plant 2 Cluster 4	
CD20400	100% Design Submittal - CD Digesters Plant 2 Cluster 4	240	26-Oct-18*	22-Jun-19	◆ EPA ¢om pl(ance Date for Engineering Design - CD Digesters Plant 2 Cluster 4**	
CD11060	Engineering Design - CD Digesters Plant 2 Cluster 4	1254		25-Oct-19	100% Design Submittal - CD Digesters Plant 2 Cluster 4 Ertgineering Design - CD Digesters Plant 2 Cluster 4	
CD40470	100% Design Review/Permit Ready Submittal - CD Digesters Plant 2 Cluster 4	1254		25-Oct-19 25-Oct-19		
0070470	100 /0 Design Neview/r chink reday Submittal - OD Digesters Fidilit 2 Gluster 4	1634	12-Mar-16 A	31-Aug-20	100% Design Review/Permit Ready SubmittalCD Digesters Plant 2 Cluster 4 31-Aug-20, Permitting	
Dormitting		1034	12-Iviai-10 A	31-Aug-20	the second property of the second property of	- i i
Permitting CD83050	EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 4	0	12-Mar-16 A		◆ EPA Start Date for Permitting - CD Digesters Plant 2 Cluster 4	1 1

	cree Schedule - December 2016 Update			tandard Layo												17 14:20		
ivity ID	Activity Name	Original Duration	Start	Finish		016 Q3 Q4	2017 Q1 Q2 Q3	Q4 Q1 Q2 (2019 Q1 Q2 Q3 Q4 (2020 21 Q2 Q3	Q4 Q1	2021 Q2 Q3 C		2022 02 Q3 Q4		023 Q3 Q	2024 Q4 Q1 (
CD81200	EPA Compliance Date for Permitting - CD Digesters Plant 2 Cluster 4	0		31-Aug-20*	1								ance Date for P				-	1 2 1
Procurement		406 22	2-Jul-20	31-Aug-21							-		31	-Aug-21, Proc	curement	L Citato	1	
CD84090	Internal Bid Package Review - CD Digesters Plant 2 Cluster 4	3 22	2-Jul-20	24-Jul-20							1 1	nternal Bid Pa	ckage Review -	- CD Digeste	rs Plant 2 Clus	ster4		
CD32000	Design Documents Sent to Procurement - CD Digesters Plant 2 Cluster 4	0 25	5-Jul-20								♦ [esign Docum	ents Sent to Pr	ocurement -	CD Digesters	Plant 2 Clust	er 4	
CD83040	EPA Start Date for Procurement - CD Digesters Plant 2 Cluster 4	0 01-	-Sep-20*								•	EPA Start D	ate for Procule m	nent - CD Dic	esters Plant 2	Cluster4		
CD32010	Submit/Approve SBD Goals and Request to Advertise - CD Digesters Plant 2 Cluster 4	60 25	5-Jul-20	22-Sep-20								1 1	prove SBD Goa				ters Plant 2	2 Cluster 4
CD32020	Advertise Bid Package - CD Digesters Plant 2 Cluster 4	0 23	S-Sep-20								i i	1 1	: Bid Package - C	i i	i i	i i-		
CD32030	Bid Solicitation Period - CD Digesters Plant 2 Cluster 4	60 23	S-Sep-20	21-Nov-20								Bid Sc	licitation Period	d - CD Digest	ters Plant 2 Clu	uster 4		
CD32040	Bids Due - CD Digesters Plant 2 Cluster 4	0 22	?-Nov-20									1 1	oue - CD Digest	1 17	1 1			
CD32050	Bid Review Period - CD Digesters Plant 2 Cluster 4	30 22	?-Nov-20	21-Dec-20								1 1	Review Period -			ster 4		
CD32060	Award Recommendation - CD Digesters Plant 2 Cluster 4	0		21-Dec-20									rd Recommend					
CD11250	Procurement - CD Digesters Plant 2 Cluster 4	270 25	5-Jul-20	20-Apr-21	1							7,4110			CD Digesters F		er4	
CD32070	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Digesters Plant 2 Cluster 4	120 22	-Dec-20	20-Apr-21									Final Approx	vals (BCC M	layor, Risk Mgr	mt) - CD Dia	esters Plan	ent 2 Cluster
CD81210	EPA Compliance Date for Procurement - CD Digesters Plant 2 Cluster 4	0		31-Aug-21*	1								1 1 111	11 1		1 1 1	i i	i i
Construction		542 21	I-Apr-21	14-Oct-22									T	T COMPILATE	ce Date for Pro	4-Oct-22, Co	nstruction	10.1.10.11.2.0
CD11328	Contractor Notice to Proceed (NTP) - CD Digesters Plant 2 Cluster 4	0 21	I-Apr-21										◆ Contractor I	Notice to Pro	ceed (NTP) - C	Digesters	Plant 2 Clu	uster 4
CD83030	EPA Start Date for Construction - CD Digesters Plant 2 Cluster 4	0 01-	-Sep-21*										1 1 1	1 1	for Construction		1 1	1 1
CD11330	Construction - CD Digesters Plant 2 Cluster 4	365 17	7-Jul-21	16-Jul-22	1											uction - CD D	1 1	1 1
CD11490	Substantial Completion (CD Compliance Date 9/28/19) - CD Digesters Plant 2 Cluster 4	0		16-Jul-22*											Substan	ntial Comple	tion (CD Co	ompliance
CD81380	EPA Compliance Date for Construction - CD Digesters Plant 2 Cluster 4	0		21-Jul-22*											1 1	mpliance Da	1 1	3 1
CD40170	Project Closeout - CD Digesters Plant 2 Cluster 4	90 17	7-Jul-22	14-Oct-22*	1										i i	i i	i i	1 1
Project Administration		2193 05-1	May-15 A	14-Oct-22	1	1 1	1 1	· · · · · · · · · · · · · · · · · · ·				1 1			1	roject Closed 4-Oct-22, Pro	ject Admin	nistration
CD34120	WASD Project Administration - CD Digesters Plant 2 Cluster 4		May-15 A	14-Oct-22							<u> </u>				w	VASD Project	t Administr	ration - CD r
2.16 Dewatering B	Building	2379 02-	Feb-15 A	07-Aug-21		1 1	1 1		1 1	1 1 1	1 1	1 1	▼ 07-A	ug-21, 2.16	Dewatering Bu	uilding		
Pre-Design		88 02-	Feb-15 A	01-May-15 A	re-Design	1 1	1 1					1 1	111	1 1		7 7	T	1 1
CD12211	Pre-Design - CD Dewatering Building		Feb-15 A	01-May-15 A	Downtorin	g_Building_												
Engineering Design		824 01-1	May-15 A	01-Aug-17	D. Dewatern	IQ-DUILUITIQ	. 0	-Aug-17, Engineering	g Design			1 1				1 1	1 1	
CD21180	Basis of Design Report (BODR) - CD Dewatering Building	236 01-1	May-15 A	22-Dec-15 A	Basis of D	esian Reno	rt (BODR) - CD Dew	atering Building										
CD21190	BODR Review Period - CD Dewatering Building	36 23-1	Dec-15 A	27-Jan-16 A	1 1	i i	od - CD Dewatering	i i i i										
CD10170	Engineering Design - CD Dewatering Building	334 01-1	May-15 A	29-Mar-16 A	BODKE	Neview Fello		ngineering Design + C	CD Dewaterin	na Buildina								
CD41110	Issue Final RDBS - CD Dewatering Building	0		29-Mar-16 A	T last	Engl DD	3S - CD Dewatering	17 1 7 1 7 1										
CD32720	Design Criteria Package Initial Submittal - CD Dewatering Building	90 28-	Jan-16 A	26-Apr-16 A	1 :	1 1	1 1 1	building bmittal - CD Dewate	a a a De di alba									
CD32740	DCP Design Review - CD Dewatering Building	23 27-	-Apr-16 A	19-May-16 A		, -	, 9	the state of the s	ang Bullaing									
CD83060	EPA Start Date for Engineering Design - CD Dewatering Building		Jun-16 A		1 1	i i	Review - CD Dewa	i i i i	. []									
CD33660	Pilot Testing of Thickening Process - CD Dewatering Building		Jan-16 A	27-Oct-16 A	<u> </u>	1 1	1 - 1 -	Design - CD Dewater	- 1	1 1 1 1								
CD32760	Final DCP Submittal - CD Dewatering Building		May-16 A	23-Nov-16 A		F	1 " 1	ening Process - CD [1 7	Building								
CD81390	EPA Compliance Date for Engineering Design - CD Dewatering Building	103 204	way-10 A	01-Aug-17*	-			al - CD Dewatering B	1 1									
Permitting	ELA Compliance Date for Engineering Design - OD Dewatering Dunting	929 29-	Jan-16 A	10-Sep-18		<u> </u>	<u>i</u> i. ∲ .E	PA Compliance Date	for Engineeri	ing Design - CD Dewateri -18, Permitting	ing_Building		 					
CD32780	FDEP Permit - CD Dewatering Building		Jan-16 A	29-Apr-17	1													
CD83070	EPA Start Date for Permitting - CD Dewatering Building		-Aug-17*	20740111	1		1 1	emit - CD Dewatering										
CD81400	EPA Compliance Date for Permitting - CD Dewatering Building	0 02	Aug-17	01-Aug-18*	1		♦ E	PA Start Date for Perm	- :	1 7 1 1								
CD10430		929 29-	Jan-16 A	10-Sep-18	-		_			pliance Date for Permittin		ing Building						
	Permitting - CD Dewatering Building		Mar-16 A	· .					Pemittii	ing - CD Dewatering Build 01-Aug-19,	ng; Procurement							
Procurement CD33520	RDBS Sent to Procurement - CD Dewatering Building		Mar-16 A	01-Aug-19	1 1		1 1			V O Trug To,	, r ioouicinjent	-						
CD33530	Submit/Approve SBD Goals and Request to Advertise - CD Dewatering Building		Mar-16 A	19-Jul-16 A	→ RDE	1 1	rocurement - CD D											
				19-5ul-10 A	_	1 1	1 1	and Request to Adve	ertise - CD De	ewatering Building								
CD33540	Advertise RDBS - CD Dewatering Building		-Jul-16 A	16 000 40 4	-	i i	e RDB\$ - CD Dewa	i i i i										
CD33550	Request for Qualifications - CD Dewatering Building		-Jul-16 A	16-Sep-16 A	-	Rec	uest for Qualification	ns - CD Dewatering I	Building									
CD33560	Qualifications Package Due - CD Dewatering Building		Sep-16 A	46 D 10 1	1	♦ Qua	l <mark>i</mark> fications Package	Due - CD Dewatering	g Building									
CD33570	Qualification Review Period - CD Dewatering Building	45 17-	Sep-16 A	16-Dec-16 A	-	<u> </u>	1 : :	ew Period - CD Dew	1 1	ling								
CD33580	Shortlist Published - CD Dewatering Building	0		16-Dec-16 A	1	•	Shortlist Publishe	d - CD Dewatering B	Building									
CD33590	Request for Proposals - CD Dewatering Building		-Jan-17*	16-Mar-17	1		Request fo	r Proposals - CD Dew	vatering Build	ding								
CD33600	Proposals Due - CD Dewatering Building		'-Mar-17		1		◆ Proposals	Due - CD Dewatering	Building									
CD33610	Proposal Review Period - CD Dewatering Building		'-Mar-17	16-Apr-17	1		Proposal	Review Period - CD I	Dewatering B	Building								
CD33620	Award Recommendation - CD Dewatering Building	0 17	⁷ -Apr-17		1		◆ Award R	commendation - CD	Dewatering	Building								
CD33630	Contract Negotiations - CD Dewatering Building		⁷ -Apr-17	27-Jun-17	1		1 :	tract Negotiations - C	1 1	1 " 1 1 1								
CD10440	Procurement - CD Dewatering Building	459 29-	Mar-16 A	27-Jul-17		1 1					ent - CD Dewat	ering Building						
CD33640	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Dewatering Building	30 28	Jun-17	27-Jul-17			_ Fi	hal Approvals (BCC)	Mayor, Risk N	Mgmt.) - CD Dewatering E	Buildina							
CD83080	EPA Start Date for Procurement - CD Dewatering Building	0 02-	-Aug-18*					: : : :		Date for Procure ment - CD	Dewatering B	uilding						
CD81410	EPA Compliance Date for Procurement - CD Dewatering Building	0		01-Aug-19*	1					◆ EPA Comr	oliance Date for	Procurement	- CD Dewaterin 07-A	na Buildina		J	<u>.j.</u>	
De sign-Build		1472 27	7-Jul-17	07-Aug-21			—			# 12 CT 12 OGID			07-A	ug-21, Desig	n-Build		7	
CD33650	Design-Builder NTP - CD Dewatering Building	0		27-Jul-17			♦ n	: esign-Builder NTP - C	D Dewaterin	na Buildina								
CD32790	Final Engineering by Design-Builder - CD Dewatering Building	330 28	3-Jul-17	22-Jun-18	1		T	!!!!!!	1 1	ering by Design-Builder -	CD Dewatering	Building						
CD32800	AHJ Permit Review - CD Dewatering Building	180 23	3-Feb-18	21-Aug-18						mit Review - CD Dewateri		, Danuary						
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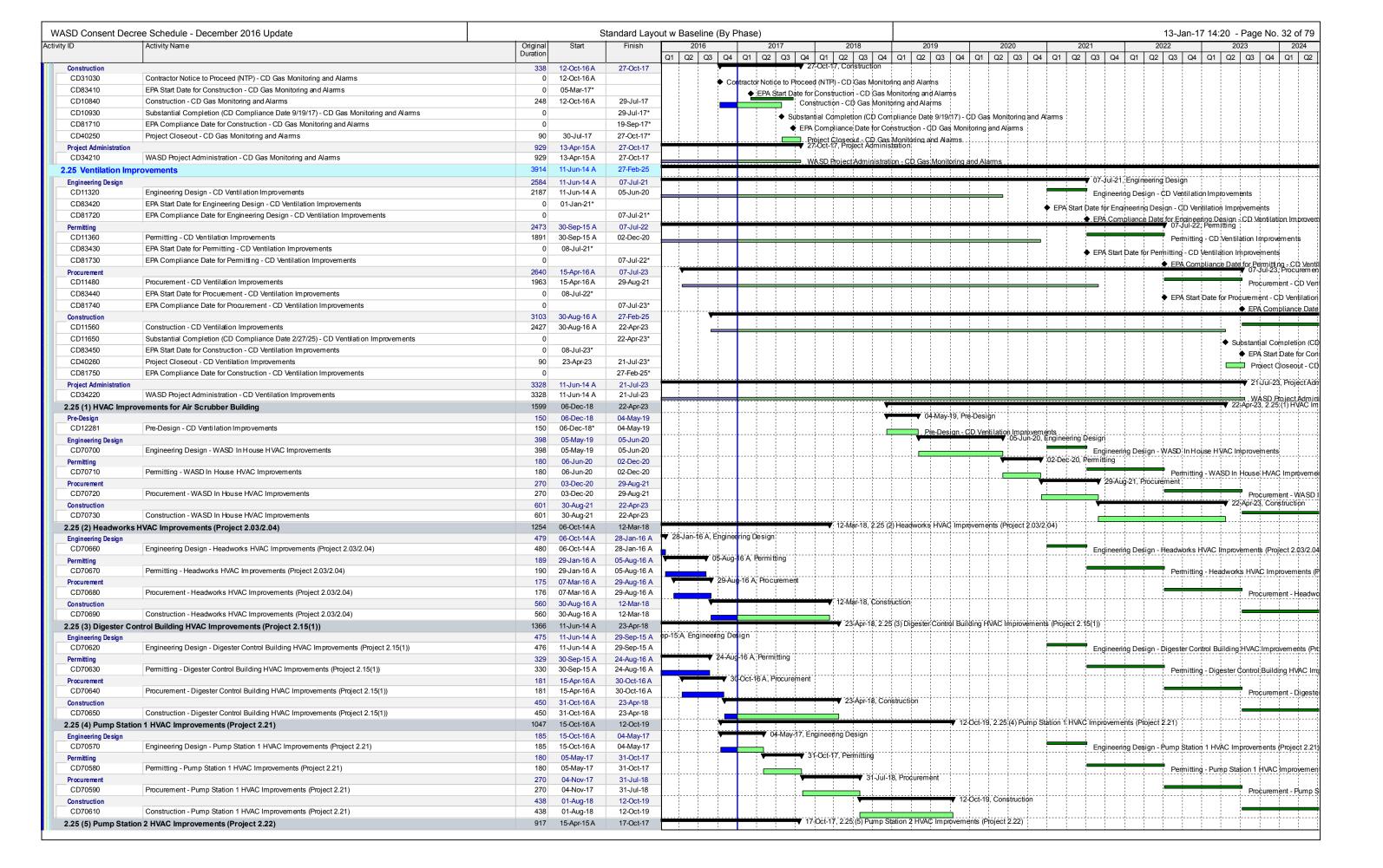
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CD34130	WASD Project Administration - CD Dewatering Building	1666	01-May-15 A	18-Dec-19						1 1				⇒ : WAS	D.Project Ad	: Iministrat	ion - CD Dev	atering Buil	i dina					
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CD83100	EPA Start Date for Engineering Design - CD Chlorination Facilities**	0	01-Oct-13 A		_n Facilities**																			
CD81430	EPA Compliance Date for Engineering Design - CD Chlorination Facilities**	0		07-Sep-14 A	eering Design	- OD Chlorinati	on Faciliti	es**		-														
CD20410	Evaluation of Design Alternatives - CD Chlorination Facilities	344	01-Oct-13 A	09-Sep-14 A	_s - CD Chlorin	nation Facilities					i					: :								
CD20420	Basis of Design Report (BODR) - CD Chlorination Facilities	91	18-Feb-15 A	19-May-15 A	_an Report (BOD	OR) - CD Chlorir	ation Fac	ilities																
CD20430	BODR Review Period - CD Chlorination Facilities	16	28-May-15 A	12-Jun-15 A	w Period - CD	Chlorination Fa	cilities																	
CD20435	Negotiate Scope and Cost with MWH - CD Chlorination Facilities	88 78	23-Mar-15 A	18-Jun-15 A	1 1 1	with MWH - CE		1 1	ies															
CD20440 CD20450	60% Design Submittal - CD Chlorination Facilities 60% Design Review - CD Chlorination Facilities	70	18-Jun-15 A 04-Sep-15 A	03-Sep-15 A 10-Sep-15 A	1 1 1	al - CD Ch <mark>l</mark> orina		i i																
CD20480	100% Design Submittal - CD Chlorination Facilities	43	11-Sep-15 A	23-Oct-15 A	1 11	- CD Chlorination	: :	1 1																
CD10060	Engineering Design - CD Chlorination Facilities	774	01-Oct-13 A	13-Nov-15 A		mittal - CD Chl ign - CD Chlori																		
CD40480	100% Design Review/Permit Ready Submittal - CD Chlorination Facilities	14	31-Oct-15 A	13-Nov-15 A	1 1			- 1 1		1_ 1														
CD32610	Develop Equipment Pre-Purchase RTU Packages - CD Chlorination Facilities	212	18-Jun-15 A	15-Jan-16 A	1 1 1	eview/Permit Re				1 1	1												i	
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CD10250	Permitting - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A	STITOM INCIDENT	Pemitting - Cl	Chlorina	ation Facili	ties															
CD80050	City of Miami Building Permit - CD Chlorination Facilities	221	20-Nov-15 A	27-Jun-16 A	c	City of Miami Bu		- 1		n Faciliti	es													
CD81440	EPA Compliance Date for Permitting - CD Chlorination Facilities	0		30-Jul-16 A		EPA Compliar	: :					es	ļl		ļļ	ļ				<u>.jj.</u>		.jJ		
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CD32160	Design Documents Sent to Procurement - CD Chlorination Facilities	0	16-Nov-15 A	07.5 :-:	esign Docume	ents Sent to Prod	urem ent	- CD Chlari	nation Fac	cilities														
CD32170	Submit/Approve SBD Goals and Request to Advertise - CD Chlorination Facilities	42	16-Nov-15 A	27-Dec-15 A	Submit/Appro	ve \$BD Goals a	nd Reque	st to Adve	tise - CD (Ohlorina	tion Facil	lities												
CD32180	Advertise Bid Package - CD Chlorination Facilities	0	28-Dec-15 A	07 5-4 40 4	_ Advertise Bid	Package - CD	hlorination	on Facilitie	s															
CD32190 CD32200	Bid Solicitation Period - CD Chlorination Facilities Bids Due - CD Chlorination Facilities	42	28-Dec-15 A 08-Feb-16 A	07-Feb-16 A	1 1 1	ation Peri <mark>o</mark> d - Cl		i i	ties														i	
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CD33120 CD32210	Bid Review Period - CD Chlorination Facilities	14	08-Feb-16 A	21-Feb-16 A	1 1	Date for Procure		1 1		ies														
CD32220	Award Recommendation - CD Chlorination Facilities	0	001001070	22-Feb-16 A	1 1 1	w Period CD C		i i	i															
CD10260	Procurement - CD Chlorination Facilities	134	16-Nov-15 A	28-Mar-16 A	Award Re	commendation Procuremen																		
CD32230	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities	36	22-Feb-16 A	28-Mar-16 A	T =	1	: :	1 1	1	والمسالم														
CD81450	EPA Compliance Date for Procurement - CD Chlorination Facilities	0		06-Sep-16 A	1 1 1	pprovals (BCC, ◆:EPA Compl		1 1	1	1 1	1	acilities												
CD33070	Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities	250	16-Jan-16 A	21-Sep-16 A		Pre-Purcha		1 1		1 1	1	1				: :								
CD33100	Vendor NTP (RTU) - CD Chlorination Facilities	0		21-Sep-16 A		♦ VendorNT	i i	i i	i	i i	on racinu	163												
CD32600	Owner Pre-Purchase RTU - CD Chlorination Facilities	522	16-Jan-16 A	20-Jun-17		VENCOLIVI	: :	wner Pre-P		1 1	Chlorina	tion Fac	ilities											
CD33110	Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities	273	21-Sep-16 A	20-Jun-17	1								lorination I	Facilities	<u>.</u>	<u> </u>						JJ.		
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CD10498	Contractor Notice to Proceed (NTP) - CD Chlorination Facilities	0	18-Apr-16 A		◆ Contra	actor Notice to I	roceed (N	NTP) - CD	Chlorinatio	n Facilit	ties			- 1										
CD83130	EPA Start Date for Construction - CD Chlorination Facilities	0	07-Sep-16 A	00.0 474	-	◆ EPA Start D	ate for Co	nstruction	- CD Chlor	rination I	Facil ities													
CD81460	EPA Compliance Date for Construction - CD Chlorination Facilities	550	18-Apr-16 A	29-Sep-17*	-								CD Chlorin	nation Fa	cilities									
CD10500 CD10700	Construction - CD Chlorination Facilities Substantial Completion (CD Compliance Date 9/29/17) - CD Chlorination Facilities	550	10-Api-16 A	19-Oct-17 19-Oct-17*	_	1			struction -	1 1		- 1												
CD40190	Project Closeout - CD Chlorination Facilities	90	20-Oct-17	17-Jan-18*	-			◆ Sub	i	- 1	i	- 1	1 1	- 1	D Chlorination	n Faciliti	es							
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CD10280	Engineering Design - CD Odor Control Systems	541	06-Oct-14 A	29-Mar-16 A			Er	ngineering	Design - C	D Odor	Control S	Systems												
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CD10410	Permitting (Summary) - CD Odor Control Systems	1303	29-Jan-16 A	19-Sep-19		!					<u> </u>		Pe	emitting	(Summary) -	CD Odor	Control Syst	ems						
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CD10890	Construction (Summary) - CD Odor Control Systems	1089	30-Aug-16 A	19-Sep-19								1	EPA Star	it Late to	r Constructio		dor Control S (Summary)		ontrol Sv	stems				
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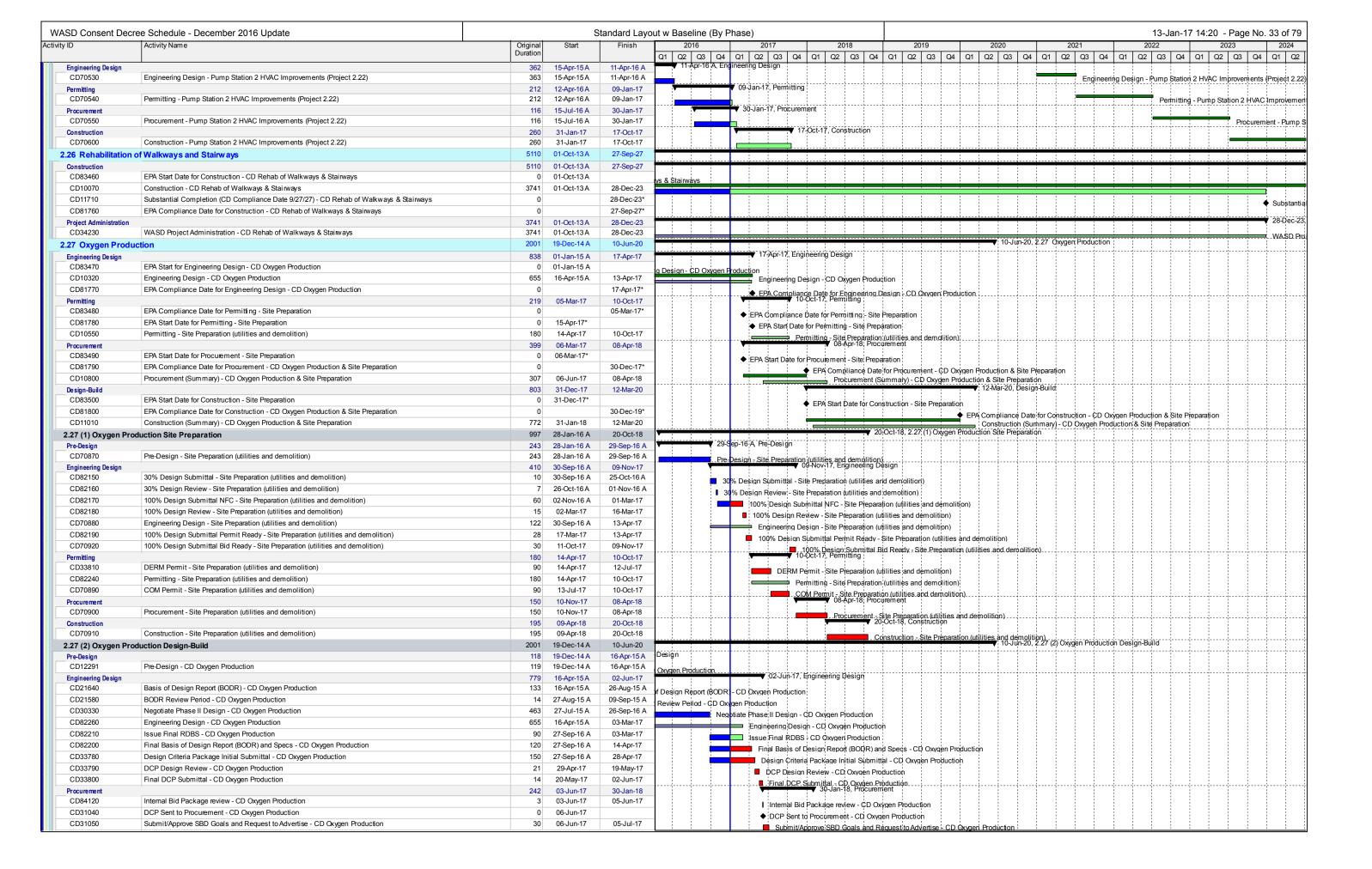
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CD21270	Engineering Design (Headworks) - CD Odor Control Systems	480	06-Oct-14 A	28-Jan-16 A	Engineeting Dec	sian (Ho	addyorks), CD	Odor Chatrol Sve	eteme												1 1			
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CD40410	Permitting (Headworks) - CD Odor Control Systems	190	29-Jan-16 A	05-Aug-16 A	Pan	mittina	(Haadworks) (D Odor Control	l System			1 1		1 1	į		į	1 1	į					
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CD32250	Procurement (Headworks) - CD Odor Control Systems	176	07-Mar-16 A	29-Aug-16 A	1			00040																
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CD40430	Construction (Headworks) - CD Odor Control Systems	560	30-Aug-16 A	12-Mar-18	1			1 1 1	1	1 1	1						- 1				1 1			
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CD21290	Engineering Design (Dewatering) - CD Odor Control Systems	334	01-May-15 A	29-Mar-16 A		1	1 1										- 1				1 1			
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CD40420	Permitting (Dewatering) - CD Odor Control Systems	929	29-Jan-16 A 29-Jan-16 A	10-Sep-18	1						0, 1 0													
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CD40440	Construction (Dewatering) - CD Odor Control Systems	565	04-Mar-18	19-Sep-19			<u>ll</u>				24	Mar 10	Construc	tion (Dew	atering) - (CD_Odor_C	Control Sy	stems			ļļ.		ļļ.	
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CD10470	Permitting - CD Co-Gen Improvements	1135	11-Mar-14 A	02-May-17				nce Date for Per ting - CD Co-Ge			n impro	vements												
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2.19 (1) Co-Gen Ge	enerator Replacement	1161	22-Nov-12 A	27-Jan-16 A	▼ 27-Jan-16 A, 2:19	9 (1) Co	-Gen Generatoi	Replacement				1						1		'	<u> </u>			
Engineering Design		473	22-Nov-12 A	10-Mar-14 A																				
CD12001	Engineering Design - CD Co-Gen Generator Replacement	474	22-Nov-12 A	10-Mar-14 A	Eng	gineerin	g Design - CD	o-Gen Generat	tor Repla	cement	- 1		- 1				- 1	1 1	- 1	- 1	1 1			
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CD12011	Permitting - CD Co-Gen Generator Replacement	365	12-Mar-13 A	11-Mar-14 A			Permitting - C	D Co-Gen Gene	erator Re	placement	- 1													- 1
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CD12021	Procurement - CD Co-Gen Generator Replacement	141	12-Mar-14 A	30-Jul-14 A] - 			rocurement - C	CD Co-Ge	en Generato	r Repla	cement	- 1	- 1			1	1 1			1 1			
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CD12031	Construction - CD Co-Gen Generator Replacement	547	30-Jul-14 A	27-Jan-16 A			-		-	1 1	- Co	nstruction	- CD C	o-Gen Ger	nerator Re	placement	ıt			- 1				į
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CD34160	WASD Project Administration - CD Co-Gen Generator Replacement	1162	22-Nov-12 A	27-Jan-16 A			1 1		- 1	1 1	- 1													
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CD12231	Pre-Design - CD Co-Gen Biogas Treatment Facilities	167	19-Dec-14 A	03-Jun-15 A		- 1					İ									- 1				
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CD30320	Negotiate Final Design - CD Co-Gen Biogas Treatment Facilities	78	25-Sep-15 A	11-Dec-15 A	Negotiate Final Des	sign - CI	Co-Gen Bioga	s Treatment Fac	ıcilities				· 								ļļ.		- 	
Engineering Design	Alternatives Applicate Deposit CD On Con Disease Transferred Facilities	456	04-Jun-15 A	02-Sep-16 A	V 10.	2-0CP-11	JA, Ligilicelli	Design			- 1													
CD21650	Alternatives Analysis Report - CD Co-Gen Biogas Treatment Facilities	119	04-Jun-15 A	30-Sep-15 A	natives Analysis Re	port CI	O Co-Gen Bioga	s Treatment Fac	acilities			1	i	1 1	i	1	İ		į		1		1 1	
CD33680	Remaining Basis of Design Report (BODR) - CD Co-Gen Biogas Treatment Facilities	70		24-Feb-16 A	Remaining Ba	sis of D	esign Report (E	ODR) - CD Co-(Gen Bio	gas Treatme	ent Faci	lities		1 1	i		į			- 1	1 1		1 1	
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 B	ogas Treatmen	nt Faciliti	es									}					
CD21690	60% Design Submittal - CD Co-Gen Biogas Treatment Facilities	47	14-Mar-16 A	29-Apr-16 A	60% Desig			!!!!	!											- !				
CD21700	60% Design Review - CD Co-Gen Biogas Treatment Facilities	7	30-Apr-16 A	06-May-16 A	1 1 1	-	1 1	n Biogas Treatm	1	i i				- 1			1			- 1				
CD21710	100% Design Submittal - CD Co-Gen Biogas Treatment Facilities	102	07-May-16 A	16-Aug-16 A	1 1 1 1		- 1 1	CD Cd-Gen Bio	1	- 1	lities								}		[]			
CD12101	Engineering Design - CD Co-Gen Biogas Treatment Facilities	457	04-Jun-15 A	02-Sep-16 A				Co-Gen Biogas												- !				
CD40490	100% Design Review/Permit Ready Submittal - CD Co-Gen Biogas Treatment Facilities	17		02-Sep-16 A	1 : : :	_	71 7	1 1 6	1	1 1	1	Tenet	. FJ-:r:		i	1 1	İ				1 1		1	
Permitting	,	242	10-May-16 A	06-Jan-17	T	nn %IDe	51911 Keview/Pr 06-Jan-17, Pem	rmit Ready Sub litting	บเมนิสม	UL CO-Gen	Drodas	Litearnen	ı. racud	ICS				1					†	
CD80250	FDEP Permit - CD Co-Gen Biogas Treatment Facilities	44	•	22-Jun-16 A	1 1 1 1			-		1 1			- 1								[]			
CD71060	DERM Permit - CD Co-Gen Biogas Treatment Facilities	10	06-Sep-16 A	15-Sep-16 A	1 1 1 1		1 1	gas Treatment		1 1										- !				
	-		· · · · · · · · · · · · · · · · · · ·	· ·		DER <mark>M</mark> F	emit - CD Co-	Sen Biogas Trea	atment F	acilities										- !				
CD83520	ERP Permit - CD Co-Gen Biogas Treatment Facilities	90	08-Sep-16 A	14-Nov-16 A		E RF	Permit - CD C	-Gen Biogas Tr	reatment	t Facilities														
	DERM Class VI Permit - CD Co-Gen Biogas Treatment Facilities	90	18-Oct-16 A	12-Dec-16 A		DI	ERM Class VI F	emit - CD Co-C	Gen Biog	as Treatme	ent Faci	ities	- 1	1 1	- 1				1	- 1	1			
CD83510		242	10-May-16 A	06-Jan-17				D Co-Gen Bioga				; ;	1	1 1	;	1 1	;	: :	;	1	1 1		1 1	
	Permitting - CD Co-Gen Biogas Treatment Facilities	242	10-Way-1074		-		remmany - c		jao ilicai	mant racint	103	1 1		1 1	9		!	1 1	1	1 1	, ,			
CD83510	Permitting - CD Co-Gen Biogas Treatment Facilities City of Miami Permit - CD Co-Gen Biogas Treatment Facilities	103	26-Sep-16 A	06-Jan-17			1 1			1 1	1	ties												
CD83510 CD12111		103	•		-		1 1	rmit - CD Co-G		1 1	1	tles												



	cree Schedule - December 2016 Update				out w Baseline (E	By Phas	,												1-17 14:2		je No. 3	
ivity ID	Activity Name	Original Duration	Start	Finish	2016	04 01	2017	3 04	2018 Q1 Q2 Q3 Q		2019		2020	4 01	2021	3 04		2022	01	2023	04	202
Pre-Design		58	16-Jun-15 A	13-Aug-15 A	5 A, Pre-Design	QT Q1	QZ Q3	J Q-7	Q1 Q2 Q0 Q	7 Q1 G	2 00 0	7 Q1 Q2	. 00 0	7 Q1	QZ QX	0 94	Q1 Q2	. 00	27 Q1	Q2 Q3	Q+	321
CD12251	Pre-Design - CD Pump Station No. 1	59	16-Jun-15 A	13-Aug-15 A	gn - CD Pump Stati	ion No. 1																
Engineering Design		631	13-Aug-15 A	04-May-17			• 04-May	ay-17, Er	ngineering Design													
CD21440	Condition Assessment - CD Pump Station No. 1	70	31-Aug-15 A	08-Nov-15 A	ndition Assessmer	nt - CD Pı	mp Station N	No. 1														
CD21450	Condition Assessment Review Period - CD Pump Station No. 1	12	09-Nov-15 A	20-Nov-15 A	ondition Asses sme	ent Reviev	Period - CD	D Pump	Station No. 1													
CD83260	EPA Start Date for Engineering Design - CD Pump Station No. 1	0	01-Oct-16 A		-	EPA Sta	Date for Eng	ngineerir	ng Design - CD Pump	Station No. 1												
CD33770	Negotiate Final Design - CD Pump Station No. 1	326	24-Nov-15 A	14-Oct-16 A		Negotia	e Final Desi	sign - CE	Pump Station No. 1						į		į					i
CD21460	BODR Design Submittal - CD Pump Station No. 1	34	15-Oct-16 A	15-Nov-16 A	_ •	BODF	Design Sub	ıbmittal -	CD Pump Station No.	1												
CD21470	BODR Design Review - CD Pump Station No. 1	7	16-Nov-16 A	22-Nov-16 A		I BOD	Design Re	eview - 0	CD Pump Station No. 1													
CD21490	60% / Charrette Design Submittal - CD Pump Station No. 1	57	23-Nov-16 A	30-Jan-17			0/% / Charre	ette Des	ign Submittal - CD Pui	np Station N	o. 1											
CD83990	60% / Charrette Design Review - CD Pump Station No. 1	10	31-Jan-17	09-Feb-17		0	60% / Charre	rette Des	sign Review - CD Pum	Station No	. 1											
CD21500	100% Design Submittal - CD Pump Station No. 1	41	10-Feb-17	22-Mar-17] 100% Des	esign Su	ıbmittal - CD Pump Sta	tian No. 1					į	-	į		- 1 1	į		
CD81920	EPA Compliance Date for Engineering Design - CD Pump Station No. 1	0		28-Apr-17*	_		◆ EPA Co	Compliar	nce Date for Engineerin	g Design - C	D Pump Sta	ion No. 1										
CD10710	Engineering Design - CD Pump Station No. 1	600	13-Aug-15 A	04-May-17			Engine	eering D	esign - CD Pump \$tat	on No. 1					į		į					i
CD40500	100% Design Review/Permit Ready Submittal - CD Pump Station No. 1	43	23-Mar-17	04-May-17			<u>i</u> 100%	Design	Review/Permit Ready 05-Feb-18, Permi	Submittal - (CD Pump Sta	tion No. 1										
Permitting		365	06-Feb-17	05-Feb-18					06-Feb-18, Permi	ting												
CD83270	EPA Start Date for Permitting - CD Pump Station No. 1	0	06-Feb-17*			<u> </u>	PA Start Da	ate for P	emitting - CD Pump S						į		i		- 1 1			
CD10830	Permitting - CD Pump Station No. 1	180	05-May-17	31-Oct-17	_	-		-	Permitting - CD F	ump Station	No. 1											
CD80170	FDEP Permit - CD Pump Station No. 1	180	05-May-17	31-Oct-17	_			📫 FI	DEP Permit - CD Pumi	Station No.	1				i		į			į		
CD80180	RER Permit - CD Pump Station No. 1	180	05-May-17	31-Oct-17	_			📫 R	ER Pelmit - CD Pump	Station No.	1									1		
CD80200	City of Miami Permit - CD Pump Station No. 1	180	05-May-17	31-Oct-17	_			<u></u> c	ity of Miami Permit - C	D Pump Sta	tion No. 1				1		į			į		i
CD81930	EPA Compliance Date for Permitting - CD Pump Station No. 1	0		05-Feb-18*			ļļ		◆ EPA Compliance	Date for Per	mitting-CD.	Pump Station	No.1.									
Procurement	Internal Did Devices Devices OD D. 1997 N. 4	462	01-Nov-17	05-Feb-19	-			· ·		▼ 05-F	ı, Procur	ernent										- 1
CD84110	Internal Bid Package Review - CD Pump Station No. 1	3	01-Nov-17	03-Nov-17				l Ir	ntemal Bid Package Re	view - CD P	ump Station	No. 1										
CD32320	Design Documents Sent to Procurement - CD Pump Station No. 1	0	04-Nov-17					♦ □	Design Documents Ser	t to Procure	ment - CD Pu	mp Station N	o 1									
CD32330	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 1	60	04-Nov-17	02-Jan-18					Submit/Approve SB	O Goals and	Request to A	dvertise - CD	Pump Stati	ion No. 1								
CD32340	Advertise Bid Package - CD Pump Station No. 1	0	03-Jan-18						 Advertise Bid Packa 	ge - CD Pur	np Station No	. 1										
CD83280	EPA Start Date for Procurement - CD Pump Station No. 1	0	06-Feb-18*						◆ EPA Start Date fo	Procure me	nt - CD Pump	Station No.	1		į	-	į		-	į		- 1
CD32350	Bid Solicitation Period - CD Pump Station No. 1	60	03-Jan-18	03-Mar-18					Bid Solicitation	Period - CD	Pump Statio	No. 1										
CD32360	Bids Due - CD Pump Station No. 1	0	04-Mar-18						♦ Bids Due - CD I	Pump Statio	1 No. 1				į		į		1 1	i		i
CD32370	Bid Review Period - CD Pump Station No. 1	30	04-Mar-18	02-Apr-18					Bid Review P	eriod - CD P	ump Station	No. 1										
CD32380	Award Recommendation - CD Pump Station No. 1	0		02-Apr-18					◆ Award Recom	mendation	CD Pump S	ation No. 1			į		į					i
CD11020	Procurement - CD Pump Station No. 1	270	04-Nov-17	31-Jul-18						Proc	urement - CD	Pump Statio	n No. 1									
CD32390	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 1	120	03-Apr-18	31-Jul-18	_				Final	Approvals (E	CĆ, Mayor, F	Risk Mgm/t.)-	CD Pump S	tation No.	. 1	-						
CD81940	EPA Compliance Date for Procurement - CD Pump Station No. 1	0		05-Feb-19*			<u> </u>		·		Compliance	Date for Proc	urement - C	D Pump S	station No	2.1						
Construction		528	01-Aug-18	10-Jan-20								10-Jan-2	20, Construc	tion								
CD11148	Contractor Notice to Proceed (NTP) - CD Pump Station No. 1	0	01-Aug-18						◆ Conti	actor Notice	to Proceed (NTP) - CD Pui	mp Station I	No. 1	į	-	į	1 1	- 1 1	į		
CD83290	EPA Start Date for Construction - CD Pump Station No. 1	0	06-Feb-19*							♦ EPA		Construction										
CD11150	Construction - CD Pump Station No. 1	438	01-Aug-18	12-Oct-19								Construction	- CD Pump	Station No	0. 1							1
CD11210	Substantial Completion (CD Compliance Date 10/23/19) - CD Pump Station No. 1	0		12-Oct-19*							♦ \$	Substantial Co	ompletion (0	CD Compl	liancė Da	ate 10/23/	19) - ÇD P	ump Statio	on No. 1			
CD81950	EPA Compliance Date for Construction - CD Pump Station No. 1	0		23-Oct-19*	_						•	EPA Complia	ince Date fo	r Construc	ction - CD	Pump St	tation No.	1				
CD40220	Project Closeout - CD Pump Station No. 1	90	13-Oct-19	10-Jan-20*			<u> </u>	<u> </u>				Project	Closeout - C 20, Project A	D Pump S	Station N	lo. 1						<u>į</u>
Project Administration		1560	31-Aug-15 A	10-Jan-20								10-Jan-2	20, Project <i>i</i>	amınıstra	ition							
CD34180	WASD Project Administration - CD Pump Station No. 1	1560	31-Aug-15 A	10-Jan-20			<u> </u>		15-Jan-18, 2.22 Pi	ımn Station	No.3	WASD. I	Project Adm	inistration	- CD Pur	mp_Statio	n No. 1					.
2.22 Pump Station	n No.2	1204	30-Sep-14 A	15-Jan-18			ļļ		13-0an-10, 2.22 F													
Pre-Design		197	30-Sep-14 A	15-Apr-15 A	Design										1							
CD12261	Pre-Design - CD Pump Station No. 2	198	30-Sep-14 A	15-Apr-15 A	Pump Station No. 2 11-Apr-16 A	2. Engine	ina Dobian															
Engineering Design	EDA Cont Data for Familian for Design OD Down Obstice No. 0th	558	01-Oct-14 A	11-Apr-16 A	11-Api-16 A	, Enginee	ing Design	'							- 1							
CD83300	EPA Start Date for Engineering Design - CD Pump Station No. 2**	0	01-Oct-14 A	0551.454	Design - CD Pump	p Station	lo. 2**															
CD81590	EPA Compliance Date for Engineering Design - CD Pump Station No. 2**	0	10.1 15.1	05-Feb-15 A	e for Engineering D	esia <mark>n</mark> - C	Pump Stati	ition No.	2**													
CD20490	Basis of Design Report (BODR) - CD Pump Station No. 2	111	16-Apr-15 A	04-Aug-15 A	Design Report (BOI	DR) - CD	ump Station	n No. 2							į		į					- 1
CD20500	BODR Review Period - CD Pump Station No. 2	17	05-Aug-15 A	21-Aug-15 A	_Review Period - CD	Pump Sta	tion No. 2															
CD30310	Negotiation of Final Design - CD Pump Station No. 2	122	21-Jul-15 A	19-Nov-15 A	egotiation of Final [Design - (D Pump Sta	ation No	2						į		į		1 1	i		i
CD20530	60% Design Submittal - CD Pump Station No. 2	70	19-Nov-15 A	27-Jan-16 A	60% Design Sub	bmitt <mark>a</mark> l - (D Pump Sta	ation No	2													
CD20540	60% Design Review - CD Pump Station No. 2	7	28-Jan-16 A	03-Feb-16 A	■ 60% Design Re	view - CE	Pump Statio	ion No. 2	2													- 1
CD20550	100% Design Submittal - CD Pump Station No. 2	35	04-Feb-16 A	09-Mar-16 A	100% Design	Submitta	CD Pump	p \$tation	n No. 2													
CD40530	Develop Pre-Purchase Bid Packages (Odor Control, Valve, Flowmeter) - CD Pump Station No. 2	66	31-Jan-16 A	05-Apr-16 A					lor Control, Valve, Flow	meter) - CD	Pump Station	No. 2			- 1							
CD10270	Engineering Design - CD Pump Station No. 2	363	15-Apr-15 A	11-Apr-16 A	Engineering	g De s ign	CD Pump S	Station I	No. 2						į		į		1 1	i		i
CD40510	100% Design Review/Permit Ready Submittal - CD Pump Station No. 2	33	10-Mar-16 A	11-Apr-16 A	100%_Desi	gn Reyie	/Pemit Rea	ady Sub	mittal CD Pump Stati	on No. 2												-
Permitting	EDA Clark Date for Description CD Dr. Co. C. N. C.	694	06-Feb-15 A	15-Dec-16 A	_	715-	vec-io∧, Pel ¦ ¦	ennitting	1						1		į			į		
CD83310	EPA Start Date for Permitting - CD Pump Station No. 2	0	06-Feb-15 A	40 1 12 1	mitting - CD Pump	Station N	o. 2													1		
CD80130	Miami 21 Zoning Permit - CD Pump Station No. 2	54	18-Apr-16 A	10-Jun-16 A	Miami	21 Zoning	Permit - CD	D Pump	Station No. 2								i			i		
CD82120	DERM Permit - CD Pump Station No. 2	71	12-Apr-16 A	21-Jun-16 A	DERM	1 Permit -	D Pump St	Station N	o. 2											-		
CD82130	FDOT Permit - CD Pump Station No. 2	11	23-Sep-16 A	03-Oct-16 A			mit - CD Pu										i			i		
CD10350	Permitting - CD Pump Station No. 2	212	12-Apr-16 A	02-Dec-16 A		Per	nitting CD I	Pump S	Station No. 2													
CD80060	City of Miami Permit - CD Pump Station No. 2	136	27-Jun-16 A	02-Dec-16 A	_	City	of Miami Per	emit - C	D Pump Station No. 2						į		i			i		
CD81600	EPA Compliance Date for Permitting - CD Pump Station No. 2	0		15-Dec-16 A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Compliance	ce Date i	for Permitting - CD Pur ement	np Station N	0. 2											
Procurement		330	06-Apr-16 A	01-Mar-17			U1-Mar-17,	, Procure	ement					1 [1	1 1	1 7	1 1	1 1	1 7	1 1	- 1

ty ID	ecree Schedule - December 2016 Update Activity Name	Original	Start	Finish	out w Baseline (By Pha	2017	- 1	2018	2019	20	020	2021		2022	un-17		- Page N ⁰²³	10. 1
ty ID	Activity Name	Duration	Start	1 1111511	Q1 Q2 Q3 Q4 Q		Q4						Q4 Q1		04			04
CD40550	Advertise Pre-Purchase Package (Plug Valve) - CD Pump Station No. 2	0	06-Apr-16 A		◆ Advertise Pre-Purch	+ +					40 4. 4.	42 40	<u> </u>	42 40	~.	4. 42	1 40 1 4	``
CD40560	Advertise Pre-Purchase Package (Flow Meter) - CD Pump Station No. 2	0	06-Apr-16 A		◆ Advertise Pre-Purch		1 1	The state of the s	1 1 1									
CD40580	Vendor Bid & Award (Plug Valve) - CD Pump Station No. 2	13	06-Apr-16 A	18-Apr-16 A	▼ Advertise Pre-Purch Vendor Bid & Awar		11 1		n No. 2									
CD40610	VendorNTP (Plug Valve) - CD Pump Station No. 2	0	· ·	, , , , , , , , , , , , , , , , , , ,		1	11 11											
CD40590	Vendor Bid & Award (Flow Meter) - CD Pump Station No. 2	17		22-Apr-16 A	◆ VendorNTP (Plug	1 1	i i	1 1 1										
CD40620	Vendor NTP (Flow Meter) - CD Pump Station No. 2	0	22-Apr-16 A	2271011071	■ VendorBid & Awar			1 1 1										
CD40540	Advertise Pre-Purchase Package (Odor Control) - CD Pump Station No. 2	0			◆ VendorNTP (Flow	1 1		1 1 1										
				00 1 40 4	◆ Advertise Pre-F	urchase Pack	kage (Oc	or Control) - CD Pump	Station No. 2									
CD40650	Fabricate & Deliver Flow Meter - CD Pump Station No. 2	60		20-Jun-16 A	Fabricate & De	liver Flow Met	ter - CD	Pump Station No. 2					-					
CD30780	Design Documents Sent to Procurement - CD Pump Station No. 2	0	15-Jul-16 A		◆ Design Docu	ments Sent to	Procur	ement - CD Pump Stat	tion No. 2									
CD83320	EPA Start Date for Procurement - CD Pump Station No. 2	0	29-Jul-16 A		◆ EPA Start D	te for Procure	ment - C	D Pump Station No. 2	2									
CD40570	VendorBid & Award (Odor Control) - CD Pump Station No. 2	54	17-Jun-16 A	09-Aug-16 A	■ Vendor Bid	& Award (Odo	r Control) - CD Pump Station N	lo 2				į					
CD40600	VendorNTP (Odor Control) - CD Pump Station No. 2	0	10-Aug-16 A		◆ Vendor NTI	(Odor Contro	ı)-CD F	ump Station No. 2					-					
CD30800	Advertise Bid Package - CD Pump Station No. 2	0	29-Aug-16 A			- i	7 1	np Station No. 2										
CD30790	Submit/Approve SBD Goals and Request to Advertise - CD Pump Station No. 2	47	15-Jul-16 A	30-Aug-16 A	1 1 1 1	1 1 1		Request to Advertise	- CD Pump Station	No 2			-					
CD30810	Bid Solicitation Period - CD Pump Station No. 2	49	29-Aug-16 A	16-Oct-16 A		1 1	1 1	Pump Station No. 2	- OD Tulinp Otation	110.2								
CD30820	Bids Due - CD Pump Station No. 2	0	17-Oct-16 A		1 ; ; ; 1	- 1	- 1											
CD40640	Fabricate & Deliver Plug Valve - CD Pump Station No. 2	271	18-Apr-16 A	29-Nov-16 A	1 1	ue - CD Pump		1 1 1										- 1
CD30830	Bid Review Period - CD Pump Station No. 2	7	17-Oct-16 A	21-Dec-16 A		- i - i -		/alve - CD Pump Statio	on No. 2				-					
CD30840	Award Recommendation - CD Pump Station No. 2	,	17-001-107	21-Dec-16 A	1 1 1	1 1	1 1	Pump Station No. 2										
	·	440	15 1.11 40 4	_				n - CD Pump Station N	lo. 2				į			1		
CD10580	Procurement - CD Pump Station No. 2	116		30-Jan-17		Procurement	-CD Pu	mp Station No. 2								1		
CD30850	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Pump Station No. 2	15	22-Dec-16 A	30-Jan-17		Final Approva	als (BCC	, Mayor, Risk Mgmt.)	CD Pump Station	No. 2			-					
CD81610	EPA Compliance Date for Procurement - CD Pump Station No. 2	0		04-Feb-17*	_	EPA Complia	ance Da	e for Procurement - CI	D Pump Station No	. 2								
CD40630	Fabricate & Deliver Odor Control System - CD Pump Station No. 2	204	10-Aug-16 A	01-Mar-17		L Fabricate &	Deliver	Odor Control System 15-Jan-18, Constru	- CD Pump Station	No. 2				jjj				
Construction		350	31-Jan-17	15-Jan-18	▼	1 1	1 1	▼ 15-Jan-18, Constru	ction				-					- 1
CD10818	Contractor Notice to Proceed (NTP) - CD Pump Station No. 2	0	31-Jan-17		•	Contractor No	otice to F	Proceed (NTP) - CD Pu	ımp Station No. 2									
CD83330	EPA Start Date for Construction - CD Pump Station No. 2	0	05-Feb-17*		1 1 1			nstruction - CD Pump	f 1 1									
CD10820	Construction - CD Pump Station No. 2	260	31-Jan-17	17-Oct-17		LJ A Olgit Da		nstruction - CD Pump										- 1
CD10970	Substantial Completion (CD Compliance Date 10/22/17) - CD Pump Station No. 2	0		17-Oct-17*		1 1	7			40/00/47) OD D								
CD81620	EPA Compliance Date for Construction - CD Pump Station No. 2	0		22-Oct-17*	1		1 1	stantial Completion (1 1 1		the state of the s		į					
CD40230	Project Closeout - CD Pump Station No. 2	90	18-Oct-17	15-Jan-18*	-			A Compliance Date for		1 1 1	4							
		945	16-Apr-15 A	15-Jan-18				Project Closeout - 0 ✓ 15-Jan-18, Project A	CD Pump Station N Administration	lo.¦2¦¦	+							
Project Administratio CD34190	WASD Project Administration - CD Pump Station No. 2	945	16-Apr-15 A	15-Jan-18			1 1	1 1 1										
		1255	·	09-Mar-17		▼ 09-Mar-17	2 23 0	WASD Project Adm 2 Plant Process Control	inistration - CD Pu	mp.Station No. 2								
	ocess Controls Phase 2						2.20											
Engineering Design		124		02-Feb-14 A														
CD83340	EPA Start Date for Engineering Design - CD O2 Plant Process Controls Phase 2	0	01-Oct-13 A		rocess Controls Phase 2								į					
CD10010	Engineering Design - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	ntrols Phase 2													
CD81630	EPA Compliance Date for Engineering Design - CD O2 Plant Process Controls Phase 2	0		02-Feb-14 A	- CD O2 Plant Process Cor	trois Phase 2.			ii	iii	.iii							
Permitting		489	01-Oct-13 A	02-Feb-15 A	ng		1 1											- 1
CD10090	Permitting - CD O2 Plant Process Controls Phase 2	81	01-Oct-13 A	20-Dec-13 A	ant Process Controls Phas	2												
CD83350	EPA Start Date for Permitting - CD O2 Plant Process Controls Phase 2	0	03-Feb-14 A		ocess Controls Phase 2													
CD81640	EPA Compliance Date for Permitting - CD O2 Plant Process Controls Phase 2	0		02-Feb-15 A	e for Permitting - CD 02 Pla	nt Process Co	ontrole B	hase 2					į					i
Procurement		610	02-Jun-14 A	02-Feb-16 A	02-Feb-16 A, Procureme) I	11030.2			11	-11		1 1		1	1 1	
CD83360	EPA Start Date for Procurement - CD O2 Plant Process Controls Phase 2	0	03-Feb-15 A		curement - CD O2 Plant Pro	ooo Control	Dhana	,										
CD10340	Procurement - CD O2 Plant Process Controls Phase 2	316	02-Jun-14 A	13-Apr-15 A	Procurement - CD O2 P								į					
CD81650	EPA Compliance Date for Procurement - CD O2 Plant Process Controls Phase 2	0		02-Feb-16 A	1 1 1 1 1	1 1	1 1	1 1 1										- 1
Construction	ETATOSITIFICATION FOR THE CONTROL OF	689	20-Apr-15 A	09-Mar-17	. EPA Compliance Date f	or Procuremer ▼:09-Mar-17.	nt:CD.C Constru	02 Plant Process Contr ction:	rols.Phase.2		+							
CD83370	EPA Start Date for Construction - CD O2 Plant Process Controls Phase 2	009	03-Feb-16 A	OO MIGI-17		1 1												
CD10570	Construction - CD O2 Plant Process Controls Phase 2	372		25-Apr-16 A	◆ EPA Start Date for Cons	• : : : : : : : : : : : : : : : : : : :							1			-		i
		372	20πρι-13Α			1 1	1 1	O2 Plant Process Con					1					- 1
CD10850	Substantial Completion (CD Compliance Date 3/09/17) - CD O2 Plant Process Controls Phase 2	0	00 1 12 1	25-Apr-16 A	◆ Substantial Comp	etion (CD Cor	mplianc	e Date 3/09/17) - CD C	2 Plant Process C	ontrols Phase 2								
CD40240	Project Closeout - CD O2 Plant Process Controls Phase 2	182	26-Apr-16 A	14-Oct-16 A				ant Process Controls F										- 1
CD81660	EPA Compliance Date for Construction - CD O2 Plant Process Controls Phase 2	0		09-Mar-17*	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EPA Comp	liance L	oate for Construction - tration	CD_O2 PlantProce	ss Controls Phase 2	2	.11			<u> </u>		11	
Project Administratio		1120		14-Oct-16 A	14-Oct	16 A, Project	Adminis	tration										
CD34200	WASD Project Administration - CD O2 Plant Process Controls Phase 2	1120	01-Oct-13 A	14-Oct-16 A	WASD	Project Admi	nistratio	n - CD O2 Plant Proce Oct-17, 2.24 Gas Mor	ss Controls Phase	2					<u> </u>		i i	
2.24 Gas Monitor	ring and Alarms	1044	19-Dec-14 A	27-Oct-17	1 1 1	1 1	27	Oct-17, 2.24 Gas Mor	nitoring and Alarms	1			-					- 1
Pre-Design		115	19-Dec-14 A	13-Apr-15 A	Design	1 1										-		
CD12271	Pre-Design - CD Gas Monitoring and Alarms	116	19-Dec-14 A	13-Apr-15 A	Gas Monitoring and Alarms													
Engineering Design		222	01-Jan-15 A	11-Aug-15 A	Gas Monitoring and Alarms 5 A, Engineering Design						· †				;; !			
CD83380	EPA Start Date for Engineering Design - CD Gas Monitoring and Alarms**	0	01-Jan-15 A		1 : : :	1 1	lama**						-					
CD81680	EPA Compliance Date for Engineering Design - CD Gas Monitoring and Alarms**	0		04-Mar-15 A	neering Design - CD Gas Mo	- 1												
CD10310	Engineering Design - CD Gas Monitoring and Alarms	121	13-Apr-15 A	11-Aug-15 A	ate for Engineering Design			na Alams**										
	Engineering bookgin ob cale monitoring and realing	411	· · · · · · · · · · · · · · · · · · ·	19-Apr-16 A	ring Design - CD Gas Monit 19-Apr-16 A, Permi		1112				· † 			† 	ļ j -			
Permitting CD83390	EPA Start Date for Permitting - CD Gas Monitoring and Alarms	411		19-Apr-16 A		- i	1						-			-		
CD83390	EPA Start Date for Permitting - CD Gas Monitoring and Alarms	0	05-Mar-15 A	07.5 1 12.5	Permitting - CD Gas Monitor													
CD10360	Permitting - CD Gas Monitoring and Alarms	188	24-Aug-15 A	27-Feb-16 A	Permitting - CD Ga	s Monitoling a	and Alam	ns										
CD81690	EPA Compliance Date for Permitting - CD Gas Monitoring and Alarms	0		19-Apr-16 A		ate for Pemit	tina - Cl	Gas Monitoring and	Alams					ii	ļ <u>i</u>			
Procurement		362		03-Mar-17	1 1 1	v ∪3-Mar-17,	Hrocure	ment					}			1		
CD83400	EPA Start Date for Procurement - CD Gas Monitoring and Alarms	0	20-Apr-16 A		◆ EPA Start Date for	Procurement -	CD Gas	Monitoring and Alam	s				1					
	Description and ADD One Manifesium and Alexand	262	07-Mar-16 A	03-Mar-17				Gas Monitoring and Ala		1 1 1	1 1 1	1 1 1	1	: : :		1		
CD10590	Procurement - CD Gas Monitoring and Alarms	262	OT WIGHT TO A	00 11101 11		Procureme	ui - CD r	Jas imullitulilly allu Ala	arms	1 1 1				1 1 1				





ity ID	cree Schedule - December 2016 Update Activity Name	Standard Layout w Baseline (By Phase) Original Start Finish 2016 2017				2017 2018 2019 2020 2021								13-Jan-17 14:20 - Page No. 34 of				
ity iD	Activity Name	Duration	Start	FIIIISII				Q4 Q1						Q2 Q3 Q4 Q1				
CD33840	Advertise RDBS - CD Oxygen Production	0	06-Jul-17						S - CD Oxygen F									
CD33850	Request for Qualifications - CD Oxygen Production	30	06-Jul-17	04-Aug-17	1		1 1	1 1	Qualifications - 0	1 1	duction							
CD33860	Qualifications Package Due - CD Oxygen Production	0	05-Aug-17				i i	1 1	is Package Due	i i	i i							
CD33870	Qualification Review Period - CD Oxygen Production	30	05-Aug-17	03-Sep-17			1 1	1 1	on Review Perio	1 1	1 1							
CD33880	Shortlist Published - CD Oxygen Production	0		03-Sep-17	1		1 1	1 1	ublished - CD O	1 1	1 1							
CD33890	Request for Proposals - CD Oxygen Production	60	04-Sep-17	02-Nov-17			: :	: :	st for Proposals									
CD31060	Proposals Due - CD Oxygen Production	0	03-Nov-17						als Due - CD O		1 1							
CD31080	Award Recommendation - CD Oxygen Production	0	02-Dec-17					i i	rd Recommenda	i i	i i							
CD31070	Proposal Review Period - CD Oxygen Production	30	03-Nov-17	02-Dec-17				1 1	osal Review Per	1 1	1 1							
CD31100	Contract Negotiations - CD Oxygen Production	30	02-Dec-17	31-Dec-17				1 1 1	ontract Negotiation	1 1 1	i i							
CD82250	Procurement - CD Oxygen Production	239	06-Jun-17	30-Jan-18					Procurement - C	D Okvaen Prod	uction							
CD31110	Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Oxygen Production	30	01-Jan-18	30-Jan-18	1	1 1		<u> </u>	Final Approvals ((BC.C. Mayor, R	isk Mamt.) (D Oxygen Pro	duction 10-Jun-20, Desig		<u> </u>	<u>. i i i</u>		
Design-Build		862	31-Jan-18	10-Jun-20				_					10-Jun-20, Desig	n-Build				
CD33820	Design-Builder NTP - CD Oxygen Production	0	31-Jan-18					• [Desian-Builder N	NTP - CD Oxyge	en Production							
CD33910	Final Engineering by Design-Builder - CD Oxygen Production	321	31-Jan-18	17-Dec-18				-		Final Eng	ineering by D	sign-Builder	- CD Oxygen Prod	duction				
CD33920	AHJ Permit Review - CD Oxygen Production	343	10-Jul-18	17-Jun-19							AHJ Permi	Review - CD	Oxygen Producti	on				
CD70930	Design-Builder Construction - CD Oxygen Production	490	09-Nov-18	12-Mar-20						i	ii	1 1 1	1 1	ction - CD Oxygen Produ	tion			
CD11240	Substantial Completion (CD Compliance Date 12/30/19) - CD Oxygen Production	0		12-Mar-20*	1							1 1 1	1 1	(CD Compliance Date 1	1 1 1	ygen Production		
CD40270	Project Closeout - CD Oxygen Production	90	13-Mar-20	10-Jun-20*	<u> </u>	<u> </u>	<u></u> j	<u> </u>	<u>.ii.</u>	<u></u> _i	<u></u>		1 1	CD Oxygen Production.	1 1 1			
roject Administration		1851	16-Apr-15 A	10-Jun-20				1					10-Jun-20, Projec	t Administration				
CD34240	WASD Project Administration - CD Oxygen Production	1851	16-Apr-15 A	10-Jun-20		<u> </u>		 	<u> </u>		<u> </u>	i min i	WASD Project.Ad	lministration - CD Oxyger	Production			
28 SCADA RTU	Upgrades	179	01-Oct-13 A	29-Mar-14 A		.jj.		l			. []]	1111			
Construction		179	01-Oct-13 A	29-Mar-14 A														
CD71210	EPA Start Date for Construction - CD SCADA RTU Upgrades	0	01-Oct-13 A		ades													
CD10020	Construction - CD SCADARTU Upgrades	133	01-Oct-13 A	10-Feb-14 A														
CD10100	Substantial Completion (CD Compliance Date 3/29/14) - CD SCADA RTU Upgrades	0		10-Feb-14 A	e 3/29/14)	- CD SCADA	RTU Ubgrades											
CD81810	EPA Compliance Date for Construction - CD SCADA RTU Upgrades	0		29-Mar-14 A	1 '	RTU Uparade									<u> </u>			
29 High Strength	h Influent Impact Study	497	12-Feb-13 A	24-Jun-14 A	uent Impac	t Study												
Engineering Design		497	12-Feb-13 A	24-Jun-14 A		1												
CD71220	EPA Start Date for Engineering Study - CD High Strength Influent Study Im pact	0	12-Feb-13 A		lm pact													
CD10000	Engineering Study - CD High Strength Influent Study Impact	472	12-Feb-13 A	29-May-14 A	h Influent S	Study Impact												
CD10190	Substantial Completion (CD Compliance Date 6/24/14) - High Strength Influent Impact Study	0		05-Jun-14 A	nce Date 6	3/24/14) - Hiat	Strength Influent I	mpact Stud	v									
CD81820	EPA Compliance Date for Engineering Study - CD High Strength Influent Study Impact	0		24-Jun-14 A	1 1	1 1	gth Influent Study	1 1										
.CM CDWWTP C	Construction Management Office	1458	04-Jan-16 A	31-Dec-19	19.01007	J. S. J. J. G. C. C. C.	gris service or sectory.					▼ 31-Dec-19,	2.CM CDWWTP	Construction Manageme	nt Office			
Pre-Design		308	04-Jan-16 A	30-Jan-17		1 1	▼ 30-Jan-17, Pre	e-Design						1111	1 1 1	7		
CD70000	Pre-Design - CDWWTP CM Office	308	04-Jan-16 A	30-Jan-17		<u> </u>	Pre-Design - (DWWTP.C	M Office	İİ	. i i	iii.		iiiii	iii			
Engineering Design		180	31-Jan-17	29-Jul-17			2	9-Jul-17, En	M Office gineering Desig	n								
CD70010	Engineering Design - CDWWTP CM Office	180	31-Jan-17	29-Jul-17	1			ngineering [Design - CDWW 17, Permitting	TP.CM.Office.		İİİ.		<u> </u>	1			
Permitting		240	02-Mar-17	27-Oct-17			1	27-Oct-	-17, Permitting									
CD80010	Planning and Zoning Permit - CDWWTP CM Office	90	02-Mar-17	30-May-17			Plann	ning and Zon	ning Permit - CD	WWTP CM Off	ice							
CD70020	Permitting - CDWWTP CM Office	240	02-Mar-17	27-Oct-17	1			Permitt	ting - CDWWTP	CM Office								
CD80020	DERM Permit - CDWWTP CM Office	90	30-Jul-17	27-Oct-17	1			DERM	Permit - CDWW 09-Feb-18, Proc	TP CM Office		ļļļ.		ļļļļ				
Procurement		105	28-Oct-17	09-Feb-18					U9-Feb-18, Proc	urement								
CD70030	Procurement - CDWWTP CM Office	105	28-Oct-17	09-Feb-18	1				Procurement - C	DWWTP CM (Office	▼ 31-Dec-19,	Canada	ļļļļ.	ļļļ			
Construction	O I I ODWINTD ON OW	690	10-Feb-18	31-Dec-19					1 1 1	1 1		▼ 31-Dec-19,	Construction					
CD70040	Construction - CDWWTP CM Office	600	10-Feb-18	02-Oct-19	-				: : : :		Col	struction - CD	WWTP CM Offic	ė				
CD81910	Project Closeout - CDWWTP CM Office	90	03-Oct-19	31-Dec-19*	ļ	<u>. i </u>	27-Feb-17 3	SWCDWW	VTP Stormwater	Macter Plan		Project Clo	seout - CDWWTI	CM Office	<u> </u>			
	tormwater Master Plan	246	27-Jun-16 A	27-Feb-17		<u> </u>	1 1 1 1	1 1	1 1 1	iviastei Fiaii		ļļ		ļļļļ.	ļļļ			
Engineering Design		246	27-Jun-16 A	27-Feb-17		1	27-Feb-17, F	ngineenng:	Design									
CD80000	Develop Stomwater Master Plan	246	27-Jun-16 A	27-Feb-17*			Develop Sto	ım water Ma	ster Plan			<u> </u>		<u> </u>	<u> </u>			
North District	t WWTP	4020	20-Mar-13 A	21-Mar-24		1 1		1			! !	! ! !				<u> </u>		
.01 Headworks a	and Sludge Degritting & Transfer	1845	20-Mar-13 A	07-Apr-18					07-Apr-18, 3	.01 Headwork	s and Sludge	Degritting & Ti	ansfer					
Engineering Design		548	20-Mar-13 A	19-Sep-14 A	gn			[
ND70790	EPA Start Date for Engineering Design - ND Headworks & Sludge Degritting	0	20-Mar-13 A		egritting													
ND10000	Engineering Design - ND Headworks & Sludge Degritting	479	20-Mar-13 A	11-Jul-14 A	lworks & S	Bludge Degritti	ng											
ND70320	EPA Compliance Date for Engineering Design - ND Headworks & Sludge Degritting	0		19-Sep-14 A	neerina D	esign - ND He	adworks_&_Sludge	Degritting						<u> </u>	<u> 1j.</u>			
Permitting		476		30-Sep-15 A	ep-15 A, Pe	ermitting												
ND70800	EPA Start Date for Permitting - ND Headworks & Sludge Degritting	0	11-Jul-14 A		leadworks	& Sludge De	ritti no											
ND70330	EPA Compliance Date for Permitting - ND Headworks & Sludge Degitting**	0		05-Sep-15 A	ompliance	Date for Perr	itting - ND Headw		lge Degi tting**									
ND10010	Permitting - ND Headworks & Sludge Degritting	477	11-Jun-14 A	30-Sep-15 A			Sludge Degritting	1				<u> </u>		<u> </u>	1			
Procurement		751	01-Oct-14 A	20-Jan-17			▼ 20 Jan-17, Pro	curement										
ND70810	EPA Start Date for Procurement - ND Headworks & Sludge Degritting	0	01-Oct-14 A		ht - ND He	adworks & Sli	dge Degritting											
ND11445	Owner Pre-Purchase - Procurement Electrical Equip ND Headworks & Sludge Degritting	71	04-Dec-14 A	12-Feb-15 A			Equip ND Head	dworks & Slu	udae Dearittina									
ND20850	Owner Pre-Purchase - Procurement Screens - ND Headworks & Sludge Degritting	95	04-Dec-14 A	08-Mar-15 A			- ND Headworks		and the second second									
ND10050	Procurement - ND Headworks & Sludge Degritting	208	08-Apr-15 A	01-Nov-15 A			orks & Sludge De											
ND70340	EPA Compliance Date for Procurement - ND Headworks & Sludge Degritting	0		03-Dec-15 A		1 1	r Procurement - NI	1 1	s & Sludge Dea	ritting					1 1 1			
	Owner Pre-Purchase/Fabricate/Deliver Screens - ND Headworks & Sludge Degritting	285	09-Mar-15 A	18-Dec-15 A	T	e-Purchase/Fa	1 1	i i	1 1 1	1 1	1 1	1 1 1	1 1	1 1 1 1	1 1 1	1 1 1		

ity ID	Activity Name	Original	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023
		Duration			Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
ND20840	Owner Pre-Purchase - Fabricate/Deliver Electrical Equip ND Headworks & Sludge Degritting	616	13-Feb-15 A	20-Jan-17	Owner Pte-Purchase - Fabricate/Deliver Electrical Equip ND Headworks & Sludge/Degritting .
Construction	O + + AUTD AUDI + + + A OI + D - W	888	02-Nov-15 A	07-Apr-18	
ND21360	Contractor NTP - ND Headworks & Sludge Degritting	0	04 D 45 A	02-Nov-15 A	A ntractor NTP - ND Headworks & Sludge Degritting
ND70820	EPA Start Date for Construction - ND Headworks & Sludge Degritting	0	04-Dec-15 A		EPA Start Date for Constituction - ND Headworks & Sludge Degritting
ND71230	Milestone #1 - Commissioning of Electrical Annex - ND Headworks & Sludge Degritting	0	00.11 45.4	31-Dec-16*	→ Milestone #1 - Commissioning of Electrical Annex - ND Headworks & Studge Degritting
ND10080	Construction Phase 1: Screens - ND Headworks & Sludge Degritting	444	02-Nov-15 A	27-Apr-17	Conclude to Fried the Fried to
ND20830	Substantial Completion Phase 1/Milestone #2 (CD Compliance Date 2/28/17) - ND Headworks & Sludge Degritting	0		27-Apr-17*	■ Substantial Completion Phase Infiling and Education Phase Infiling Phase Infiling Phase Infiling
ND10170	Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	696	02-Nov-15 A	28-Sep-17	
ND10340	Substantial Completion Phase 2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degritting	0		28-Sep-17*	▼ Substantial Completion Phase 2 (CD Compliance Date 4/07/18) - ND Headworks & Sludge Degniting
ND40280	Project Closeout - ND Headworks & Sludge Degritting	62	29-Sep-17	29-Nov-17*	Project Closeout and neadworks & Studge Degitting
ND70350	EPA Compliance Date for Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	0		07-Apr-18*	EPA Compliance Date for Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting 7 29-Noy-17, Project Administration
Project Administration		1743		29-Nov-17	
ND21500	WASD Project Administration - ND Headworks & Sludge Degritting	1743		29-Nov-17	VASU Project Administration - IND Headworks & Studge Degritting
3.02 Primary Clari	ifiers and Odor Control	2432	03-Sep-14 A	30-Apr-21	
Engineering Design		919	03-Sep-14 A	09-Mar-17	7 09-Mår-17, Engineering Design
ND70830	EPA Start Date for Engineering Design - ND Primary Clarifiers & Odor Control	0	01-Nov-15 A	<u> </u>	A Stalt Date for Engineering Design - ND Primary Clariflers & Odor Control
ND10090	Engineering Design - ND Primary Clarifiers & Odor Control	809	03-Sep-14 A	09-Mar-17	ingricomy benefit that initially distincted easy control in the second control in the se
ND70360	EPA Compliance Date for Engineering Design - ND Primary Clarifiers & Odor Control	0		09-Mar-17*	◆ EPA Compliance Date for Engineering Design - ND Primary Clantiers & Odor Control.
Permitting		681	26-Oct-15 A	05-Sep-17	US-Sep-17, Fermitting
ND70840	EPA Start Date for Permitting - ND Primary Clarifiers & Odor Control	0	10-Mar-17*		◆ EPA Start Date for Permitting -ND Primary Clarifiers & Odor Control
ND10130	Permitting - ND Primary Clarifiers & Odor Control	571	26-Oct-15 A	05-Sep-17	
ND70370	EPA Compliance Date for Permitting - ND Primary Clarifiers & Odor Control	0		05-Sep-17*	■ EPA Gompuance page for Permitting - ND Primary Clarities & Odor Control
Procurement		488	31-Jan-17	02-Jun-18	U2-Jun-18, Hrocurement
ND70850	EPA Start Date for Procurement - ND Primary Clarifiers & Odor Control	0	06-Sep-17*		◆ EPA Start Date for Procurement - ND Primary Clarifiers & Odor Control
ND10210	Procurement - ND Primary Clarifiers & Odor Control	461	31-Jan-17	06-May-18	
ND70380	EPA Compliance Date for Procurement - ND Primary Clarifiers & Odor Control	0		02-Jun-18*	* ◆ EPA Compliance Date for Procurement - ND Primary Clarifiers & Odor Control. 18-Apr-21, Construction
Construction		1449	01-May-17	18-Apr-21	▼ 18-Apr-21, Construction
ND70860	EPA Start Date for Construction - ND Primary Clarifiers & Odor Control	0	03-Jun-18*		
ND71460	Construction - ND Primary Clarifiers & Odor Control	1371	01-May-17	30-Jan-21	
ND70390	EPA Compliance Date for Construction - ND Primary Clarifiers & Odor Control	0		18-Apr-21*	EPA Continuore Date for Construction Figure 2007
3.02 (1) Replace P	Primary Clarifiers for Mechanisms #4 & 6	1208	01-Dec-16 A	14-Jul-18	
Pre-Design		135	01-Dec-16 A	21-Dec-16 A	
ND71280	Negotiate Scope and Cost of VFI Package (MWH) - ND Primary Clariflers (Replace Mechanisms #4 & 6)	135	01-Dec-16 A	21-Dec-16 A	In regorate Scope and Cost of VFI Package (WWVFI) - NLI Primary Clantiers (Replace Mechanisms #4 & 6)
Engineering Design		14		27-Jan-17	
ND71250	Submit Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	8	22-Dec-16 A	13-Jan-17	Suprint Diant VPI Package - ND Phinary Claimers (Reprace Mechanisms #4 δ(ο)
ND71260	Review Draft VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	4	14-Jan-17	17-Jan-17	Review Draft VFI Package - ND Primary Crantiers (Reprace Mechanisms #4 & 6)
ND71470	Engineering Design - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	4	22-Dec-16 A	27-Jan-17	Engineering Design - ND Printary Claimlers (Replace Mechanisms #4 & 6)
ND71270	Submit Final VFI Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	10	18-Jan-17	27-Jan-17	u. Submit Final VPI Package: ND Primary Clarifets (Replace Mechanishis #4 & 6)
Procurement		93	28-Jan-17	30-Apr-17	
ND71380	Internal Bid Package Review - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	3	28-Jan-17	30-Jan-17	I 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	31-Jan-17		◆ Design Documents Sent to Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71300	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	20	31-Jan-17	19-Feb-17	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifier's (Replace Mechanisms #4 & 6)
ND71310	Advertise Bid Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	20-Feb-17		♦ Advertise Bid Package - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71320	Bid Solicitation Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	30	20-Feb-17	21-Mar-17	☐ Bid Solicitation Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71330	Bids Due - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	22-Mar-17		Bids Due - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71340	Bid Review Period - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	5	22-Mar-17	26-Mar-17	i; Bid Review Period - ND Primary Crantiers (Replace Mechanisms #4 & 6);
ND71350	Award Recommendation - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0		26-Mar-17	▼ Award Recommendation - NU Primary Crantiers (Replace Mechanisms #4 & 6)
ND71360	Procurement - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	90	31-Jan-17	30-Apr-17	
ND71370	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	35	27-Mar-17	30-Apr-17	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers, (Replace Mechanisms #4.8.6)
Construction		440	01-May-17	14-Jul-18	
ND71500	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0	01-May-17		◆ Contractor Notice to Proceed (NTP) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)
ND71510	Construction - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	350	01-May-17	15-Apr-18	
ND71520	Substantial Completion (CD Compliance Date 4/18/21) - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	0		15-Apr-18*	
ND71530	Project Closeout - ND Primary Clarifiers (Replace Mechanisms #4 & 6)	90	16-Apr-18	14-Jul-18	Project Closeout - ND Primary Clarifiers (Replace Mechanisms ## & 6) Project Closeout - ND Primary Clarifiers (Replace Mechanisms ## & 6) 30-Apr-21, 3.02 (2) Primary Clarifiers and Odor Control (Remaining
3.02 (2) Primary C	Clarifiers and Odor Control (Remaining Scope of Work)	2432	03-Sep-14 A	30-Apr-21	▼ 30-Apr-21, 3.02 (2) Primary Clarifiers and Odor Control (Remaining
Pre-Design		134		06-Aug-15 A	A DA Pre-Design
ND11375	Pre-Design (MWH) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	135	25-Mar-15 A	06-Aug-15 A	du fautur de cutural Prancis y confront rendantid brobe or which
Engineering Design		919	•	09-Mar-17	
ND20140	Basis of Design Report (B&C) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	330	· ·	29-Jul-15 A	pesign report (bac) - reprinting claimers a out 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	50% Design Subtritital - IND Philinary Claimers & Odor Control (Remaining Scope of Work)
ND20011	30% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	21		31-Dec-15 A	30% Design Review - ND Primary Clariners & 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	
ND20031	60% Design Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	11	25-Mar-16 A	04-Apr-16 A	
ND20040	100% Design Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	221	05-Apr-16 A	07-Feb-17	
ND71430	Engineering Design - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	03-Sep-14 A	09-Mar-17	
ND40380	100% Design Review/Permit Ready Submittal - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	30	08-Feb-17	09-Mar-17	
Permitting		681	26-Oct-15 A	05-Sep-17	7
ermung			26-Oct-15 A	10-Dec-15 A	

	ree Schedule - December 2016 Update	1 0		Standard Layo		, ,		0047				0010			0001		an-17 14:		ge NO.	
tivity ID	Activity Name	Original Duration	Start	Finish		2016 ! Q3 Q4		2017	Q4 Q1	201		2019	2020		2021 Q2 Q3 Q4	2022	Q4 Q1	2023	3 04	2024
ND71440	Permitting - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	180	26-Oct-15 A	05-Sep-17	Q1 Q2	. 00 04	Q1 Q2	+	!			& Odor Control (Rem	! ! !		QZ QO Q7	Q1 Q2 Q3	QT Q1	QZ Q	<u> </u>	31
ND70290	RER Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	180	10-Mar-17	05-Sep-17			-		1 1	1 1	1 1	& Odor Control (Re	1 1 1	1 1						
ND70300	City of North Miami Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	180	10-Mar-17	05-Sep-17	1				1 1	- 1	i i	imary Clarifiers & O	i i i	i i	of Work)					
ND70310	Fire Department Permit - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	180	10-Mar-17	05-Sep-17	1 1		-	-	1 1								i i			
Procurement		243	06-Sep-17	06-May-18				•		06	May-18, Procur	ary Clarifters & Odor em ent	John Jaker Land		1					
ND71480	Internal Bid Packate Review- ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	3	06-Sep-17	08-Sep-17				1	Internal Bi	id Packate	e Review-ND P	Primary Clarifiers & 0	Odor Control (Re	maining Scope	e of Work)					
ND71490	Internal Bid Package Review - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	3	06-Sep-17	08-Sep-17				i	i i	i i	i i	Primary Clarifiers &	i i i	i i	i i i i					
ND20880	Design Documents Sent to Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	09-Sep-17					!	1 1	1 1	1 1	1 11 1	1 1 1	1 11 1	aining Scope of Work	3				
ND20890	Submit/Approve SBD Goals and Request to Advertise - ND Primary Clarifiers & Odor Control (Remaining Scope of Wo	60	09-Sep-17	07-Nov-17				i	i 'i	i i	1 1		1 1 1	1 1	dor Control (Remainir		3			
ND20900	Advertise Bid Package - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	08-Nov-17						1 1	1 11 1	1 1	rimary Clarifiers & C		1 1						
ND20910	Bid Solicitation Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	60	08-Nov-17	06-Jan-18					1 1	1 1	67 1	D Primary Clarifiers	1 1 1	1 11 1 1						
ND20920	Bids Due - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0	07-Jan-18						♦ в	ids Due -	ND Primary Cla	arifiers & Odor Contr	ol (Remaining S	Scope of Work)			i i			- 1
ND20930	Bid Review Period - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	30	07-Jan-18	05-Feb-18						Bid Revie	ew Period - ND	Primary Clarifiers &	Odor Control (R	emaining Scor	pe of Work)					- 1
ND20940	Award Recommendation - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	0		05-Feb-18					i i	i i	i i	n - ND Primary Clari	1 1 1	1 771	1 1 1 1		(i			i
ND71450	Procurement - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	240	09-Sep-17	06-May-18						1 1	1 1	Primary Clarifiers &	1 1 1	1 1						
ND20950	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Primary Clarifiers & Odor Control (Remaining Scope of Work)	90	06-Feb-18	06-May-18	L	<u>. i i</u>			l	Fin	al Approvals (B	C.C. Mayor Risk Mo	ımt.) - ND Prima	rv. Clarifiers & 0	Odor Control (Remaini 30-Apr-21, Cons	na Scope of Work	k)	<u> </u>		
Construction		1090	07-May-18	30-Apr-21											30-Apr-21, Cons	truction				
ND10268	Contractor Notice to Proceed (NTP) - ND Primary Clarifiers & Odor Control	0	07-May-18		1					♦ Co	ntractor Notice	to Proceed (NTP) - N	ND Primary Clar	fiers & Odor Co	ontrol					
ND10270	Construction - ND Primary Clarifiers & Odor Control	1000	07-May-18	30-Jan-21	_											D Primary Clarifier	rs & Odor C	ontrol		
ND10420	Substantial Completion (CD Compliance Date 4/18/21) - ND Primary Clarifiers & Odor Control	0		30-Jan-21*	1									•	Substantial Completion	n (CD Compliand	¢e Date 4/18	3/21) - ŅD F	rimary Cl	arifiers
ND40290	Project Closeout - ND Primary Clarifiers & Odor Control	90	31-Jan-21	30-Apr-21*	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>. i i</u> .	<u></u>	<u>iii</u>	<u>.iii</u>	<u> </u>	Project Closeou	ut - ND Primary Cla ct Administration	arifiers & Oc	or Control	l	
Project Administration		2349	03-Sep-14 A	30-Apr-21											→ 30-Apr-21, Proje	at Administration				
ND21510	WASD Project Administration - ND Primary Clarifiers & Odor Control	2349	03-Sep-14 A	30-Apr-21						<u> </u>		<u> </u>			WASD Project A	dministration - N	D.Prim.ary.C	larifiers &	Odor Cont	ol
3.03 Oxygenation T	Frains F	2024	04-Jul-18	17-Jan-24		<u>. i i</u>							. i i i					<u> </u>		17 ¦ J
Pre-Design		150	04-Jul-18	30-Nov-18						•	30-N	Nov-18, Pre-Design								
ND11385	Pre-Design - ND Oxygenation Trains	150	04-Jul-18*	30-Nov-18	1				<u> </u>	_ <u> </u>	Pre-	Design - ND Oxyge 14	nation Trains				1	<u> </u>		
Engineering Design		318	01-Dec-18	14-Oct-19								14	1-Oct-19, Engine	ering Design						
ND70880	EPA Start Date for Engineering Design - ND Oxygenation Trains	0	01-Jan-19*		1					-	♦ EI	PA Start Date for En	gineering Desig	n - ND Oxygena	ation Trains		i i			
ND20230	Basis of Design Report (BODR) - ND Oxygenation Trains	50	01-Dec-18	19-Jan-19							<u> </u>	Basis of Design Re	port (BODR) - NE	Oxygenation ⁻	Trains					
ND20240	BODR Review Period - ND Oxygenation Trains	14	20-Jan-19	02-Feb-19	1						0	BODR Review Peri	od - ND Oxygen	ation Trains			(i			i
ND20250	30% Design Submittal - ND Oxygenation Trains	80	03-Feb-19	23-Apr-19	1						_	30% Design S	Swibmittal - ND C	Oxygenation Tra	iins					
ND20260	30% Design Review - ND Oxygenation Trains	14	24-Apr-19	07-May-19								30% Design	Review - ND Ox	ygenation Train	ns					
ND20270	60% Design Submittal - ND Oxygenation Trains	80	08-May-19	26-Jul-19	1							60% D	eşign Submittal	- ND Oxygenati	ion Trains					
ND20280	60% Design Review - ND Oxygenation Trains	14	27-Jul-19	09-Aug-19								■ 60% □	esign Review -	ND Oxygenatio	n Trains					
ND20290	100% Design Submittal - ND Oxygenation Trains	35	10-Aug-19	13-Sep-19								100	% Design Subm	ittal - ND Oxyg	enation Trains					
ND10310	Engineering Design - ND Oxygenation Trains	317	01-Dec-18	13-Oct-19								E	ngineering Desig	gn - ND Oxyger	nation Trains					
ND40470	100% Design Review/Permit Ready Submittal - ND Oxygenation Trains	30	14-Sep-19	13-Oct-19]					1 1		1 0	00% Design Rev	/iew/Permit Re	ady Submittal - ND Ox	ygenation Trains	i i		1 1	
ND70400	EPA Compliance Date for Engineering Design - ND Oxygenation Trains	0		14-Oct-19*								♦ EI	PA Compliance	Date for Engine	eering Design - ND Ox	ygenation Trains				
ND70870	EPA Compliance Date for Engineering Design - ND Oxygenation Trains	0		14-Oct-19*	1	.ji							PA. Compliance.	Date for Engine	eering Design - ND Ox 20, Permitting	vaenation Trains	jj	jj		<u>.</u> .
Permitting		366	14-Oct-19	13-Oct-20								_		13-Oct-2	20, Permitting					
ND70890	EPA Start Date for Permitting - ND Oxygenation Trains	0	15-Oct-19*		1							<u>♦ E</u>	PA Start Date for		D Oxygenation Trains					
ND10350	Permitting - ND Oxygenation Trains	180	14-Oct-19	10-Apr-20										Permitti	ng - ND Oxygenation	ſrains .				
ND70410	EPA Compliance Date for Permitting - ND Oxygenation Trains	0		13-Oct-20*	1	.]							-		mpliance Date for Per	mitting - ND Oxyo	enation Trai	ns		
Procurement		551	11-Apr-20	13-Oct-21									Y :		13-0	ct-21, Procuremer	nt			
ND71390	Internal Bid Package Review - ND Oxygenation Trains	3	11-Apr-20	13-Apr-20									I Intern	al Bid Package	Review - ND Oxygen	ation Trains				
ND21200	Design Documents Sent to Procurement - ND Oxygenation Trains	0	14-Apr-20		1					1 1			◆ Desi	n Documents	Sent to Procurement	ND Oxygenation	Trains			
ND21210	Submit/Approve SBD Goals and Request to Advertise - ND Oxygenation Trains	60	14-Apr-20	12-Jun-20	1								s	ubmit/Approve	SBD Goals and Reou	est to Advertise -	ND Oxygen:	ation Trains	ذ	
ND21220	Advertise Bid Package - ND Oxygenation Trains	0	13-Jun-20		1								♦ A	dvertise Bid Pa	nckage - ND Oxygenat	on Trains	1 1			
ND21230	Bid Solicitation Period - ND Oxygenation Tains	60	13-Jun-20	11-Aug-20	1					1 1				Bid Solicitat	tion Period - ND Oxyge	nation Trains				
ND21240	Bids Due - ND Oxygenation Trains	0	12-Aug-20		1									1 1	ND Oxygenation Trains	1 1 1				i
ND21250	Bid Review Period - ND Oxygenation Trains	30	12-Aug-20	10-Sep-20	1								1 1 1		w Period - ND Oxygen	1 1 1				
ND21260	Award Recommendation - ND Oxygenation Trains	0		10-Sep-20	1									◆ Award Re	commendation - ND (Oxygenation Train	s			i
ND70900	EPA Start Date for Procurement - ND Oxygenation Trains	0	14-Oct-20*		_									: :	art Date for Propureme		: :			
ND10390	Procurement - ND Oxygenation Trains	270	14-Apr-20	08-Jan-21												urement - ND Oxy		ains		
ND21270	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygenation Trains	120	11-Sep-20	08-Jan-21	_									Fi	nal Approvals (BCC, I	Mayor, Risk Mamt	() - ND Oxvc	; enation Tra	ains	
ND70420	EPA Compliance Date for Procurement - ND Oxygenation Trains	0		13-Oct-21*	1		1		ļ <u>i</u>				<u> </u>	<u>I</u> <u>T</u>		Compliance Date	e for Procure	ment - ND	Oxygenat	on Tr
Construction		1104	09-Jan-21	17-Jan-24																17-
ND10428	Contractor Notice to Proceed (NTP) - ND Oxygenation Trains	0	09-Jan-21		1									♦ C	ontractor Notice to Pro	ceed (NTP) - ND	Oxygenation	Trains		
ND70910	EPA Start Date for Construction - ND Oxygenation Trains	0	14-Oct-21*		1											Start Date for Con	i i		ation Trair	s
ND10430	Construction - ND Oxygenation Trains	826	09-Jan-21	14-Apr-23	1													• :	$\overline{1}$	Cor
ND10510	Substantial Completion (CD Compliance Date 1/17/24) - ND Oxygenation Trains	0		14-Apr-23*	_													♦ Substa	antial Com	pletio
ND40300	Project Closeout - ND Oxygenation Trains	90	15-Apr-23	13-Jul-23*	_													: :	Project Clo	
ND70430	EPA Compliance Date for Construction - ND Oxygenation Trains	0		17-Jan-24*	1			l									1	1 1	1 1	
Project Administration		1686	01-Dec-18	13-Jul-23							V							****	13-Jul-23, i	rojec
ND21520	WASD Project Administration - ND Oxygenation Trains	1686	01-Dec-18	13-Jul-23	1	. <u>j j</u>	<u> </u>	<u> </u>	<u> </u>	<u>. i i</u> .		<u> </u>	<u>.iii.</u>	<u></u>	<u> </u>			۱. ـ خـــــنــ	WASD Pro	ect A
3.04 Oxygen Produ	uction	2615	24-Oct-16 A	12-Jan-24		V														12-J
Pre-Design		375	24-Oct-16 A	24-Nov-17		_	1	-	24-N	lov-17, Pre	-Design	[]		
ND70750	Pre-Design for Technical Memorandum - ND Oxygen Production	152	24-Oct-16 A	24-Mar-17			Drz	e-Desia	for Techni	ical Memo	orandum - NID C	Oxvaen Production								

SD Consent Dec	ree Schedule - December 2016 Update Activity Name	Original	Start	Standard Layo	ut w Baseline (By Phase) 2016 2017 2018	13-Jan-17 14:20 - Pag						
טו	Tourity Name	Original Duration	Start	FIIIISII		2019 2020 2021 2022 2023 2 Q1 Q2 Q3 Q4 Q1 Q3 Q4 Q1 Q3 Q3 Q4 Q1 Q3 Q4 Q1 Q3 Q4 Q1 Q3 Q3 Q4 Q1 Q3 Q3						
ND20640	Pre-Design - ND Oxygen Production	123	25-Jul-17	24-Nov-17	Pre-Design - ND. Oxyger	Production						
ngineering Design		1364	25-Mar-17	17-Dec-20		17-Dec-20, Engineering Design						
ND70760	Technical Memorandum Submittal - ND Oxygen Production	122	25-Mar-17	24-Jul-17	Technical Memorandum Submit	tal - ND, Oxygen Production						
ND20160	Basis of Design Report (BODR) - ND Oxygen Production	50	25-Nov-17	13-Jan-18	Basis of Design Rep	oort (BODR) - ND Oxygen Production						
ND20170	BODR Review/Re-submittal - ND Oxygen Production	14	14-Jan-18	27-Jan-18	■ BODR Review/Re-s	submittal - ND/ Oxygen Production						
ND20180	30% Design Submittal - ND Oxygen Production	90	28-Jan-18	27-Apr-18	30% Design	Submittal - ND Oxygen Production						
ND20190	30% Design Review - ND Oxygen Production	14	28-Apr-18	11-May-18	□ 30% Design	Review - ND Oxygen Production						
ND20200	60% Design Submittal - ND Oxygen Production	90	12-May-18	09-Aug-18	60% [Design Submittal - ND Oxygen Production						
ND20210	60% Design Review - ND Oxygen Production	14	10-Aug-18	23-Aug-18	□ 60%	Design Review - ND Oxygen Production						
ND20220	90% Design Submittal - ND Oxygen Production	90	24-Aug-18	21-Nov-18		90% Design Submittal - ND Oxygen Production						
ND20300	90% Design Review - ND Oxygen Production	14	22-Nov-18	05-Dec-18		90% Design Review - ND Oxygen Production						
ND20310	100% Design Submittal - ND Oxygen Production	60	06-Dec-18	03-Feb-19		100% Design Submittal - ND Oxygen Production						
ND10370	Engineering Design - ND Oxygen Production	711	25-Mar-17	05-Mar-19		Engineering Design - ND Oxygen Production						
ND40480	100% Design Review/Permit Ready - ND Oxygen Production	30	04-Feb-19	05-Mar-19		□ 100% Design Review/Permit Ready - ND Oxygen Production						
ND70920	EPA Start Date for Engineering Design - ND Oxygen Production	0	01-Apr-20*			◆ EPA Start Date for Engineering Design - ND Oxygen Production						
ND70440	EPA Compliance Date for Engineering Design - ND Oxygen Production	0		17-Dec-20*								
Permitting		1018	06-Mar-19	17-Dec-21		◆ EPA Compliance Date for Engineering Design - ND Oxygen Production. 17-Dec-21, Permitting						
ND10400	Permitting - ND Oxygen Production	180	06-Mar-19	01-Sep-19		Permitting - ND Qxygen Production						
ND70940	EPA Start Date for Permitting - ND Oxygen Production	0	18-Dec-20*			◆ EPA Start Date for Permitting +ND Oxygen Production						
ND70450	EPA Compliance Date for Permitting - ND Oxygen Production	0		17-Dec-21*	1							
rocurement		1203	02-Sep-19	17-Dec-22								
ND71400	Internal Bid Package Review - ND Oxygen Production	3	02-Sep-19	04-Sep-19		I Internal Bid Package Review - ND Oxygen Production						
ND21280	Design Documents Sent to Procurement - ND Oxygen Production	0	05-Sep-19			◆ Design Documents Sent to Procurement - ND Oxygen Production						
ND21290	Submit/Approve SBD Goals and Request to Advertise - ND Oxygen Production	60	05-Sep-19	03-Nov-19		Submit/Approve SBD Goals and Request to Advertise - ND Oxygen Production						
ND21300	Advertise Bid Package - ND Oxygen Production	0	04-Nov-19			◆ Advertis'e Bid Package - ND Oxygen Production						
ND21310	Bid Solicitation Period - ND Oxygen Production	60	04-Nov-19	02-Jan-20								
ND21320	Bids Due - ND Oxygen Production	0	03-Jan-20			Bid Solicitation Period - ND Oxygen Production						
ND21330	Bid Review Period - ND Oxygen Production	30	03-Jan-20	01-Feb-20		♦ Bids Due - ND Oxygen Production						
ND21340	Award Recommendation - ND Oxygen Production	0	00 0020	01-Feb-20		☐ Bid Review Penod - ND Oxygen Production						
ND10450	Procurement - ND Oxygen Production	270	05-Sep-19	31-May-20		◆ Award Recommendation - ND Oxygen Production						
ND21350	Final Approvals (BC C, Mayor, Risk Mgmt.) - ND Oxygen Production	120	03-Sep-19 02-Feb-20			Procurement - ND Oxygen F						
		120		31-May-20		Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Oxygen Production						
ND70930	EPA Start Date for Procurement - ND Oxygen Production	0	18-Dec-21*	47.5 004		◆ EPA Ştart Date for Procurement - ND Oxygen Product						
ND70460	EPA Compliance Date for Procurement - ND Oxygen Production	0		17-Dec-22*	<u> </u>	€ EPA Compliance: Date for P						
Construction	0 () () () () () () () () () (1321	01-Jun-20	12-Jan-24								
ND10488	Contractor Notice to Proceed (NTP) - ND Oxygen Production	0	01-Jun-20			◆ Contractor Notice to Proceed (NTP) - ND Oxygen Production						
ND10490	Construction - ND Oxygen Production	800	01-Jun-20	09-Aug-22								
ND10500	Substantial Completion (CD Compliance Date 1/12/24) - ND Oxygen Production	0		09-Aug-22*		◆ Substantial Completion (CD Complia						
ND40310	Project Closeout - ND Oxygen Production	90	10-Aug-22	07-Nov-22*		Project Closeput - ND Oxygen						
ND70950	EPA Start Date for Construction - ND Oxygen Production	0	18-Dec-22*			◆ EPA Start Date for Construc						
ND70470	EPA Compliance Date for Construction - ND Oxygen Production	0		12-Jan-24*		<u>.i</u>						
Project Administration		1809	25-Nov-17	07-Nov-22		▼ 07-Nov-22, Project Administrat						
ND21530	WASD Project Administration - ND Oxygen Production	1809	25-Nov-17	07-Nov-22		. WASD Project Administration.						
05 Secondary Cl	arifiers	3591	23-May-14 A	21-Mar-24								
Engineering Design		2269	28-Aug-14 A	12-Nov-20		√ 12-Nov-20, Engineering Design						
ND10300	Engineering Design - ND Secondary Clarifiers	897	28-Aug-14 A	09-Feb-17		Engineering Design - ND Secondary Clarifiers						
ND70960	EPA Start Date for Engineering Design - ND Secondary Clarifiers	0	01-Dec-18*			EPA Start Date for Engineering Design - ND/Secondary Clarifiers						
ND70480	EPA Compliance Date for Engineering Design - ND Secondary Clarifiers	0		12-Nov-20*								
Permitting		2238	27-Mar-15 A	11-May-21		◆ EPA Compliance Date for Engineering Design - ND Secondary Clarifiers. 11-May-21, Permitting						
ND10360	Permitting - ND Secondary Clarifiers	894	27-Mar-15 A	05-Sep-17		Permitting - ND Secondary Clarifiers						
ND70970	EPA Start Date for Permitting - ND Secondary Clarifiers	0	13-Nov-20*			◆ EPA Start Date for Permitting - ND Secondary Clarifiers						
ND70490	EPA Compliance Date for Permitting - ND Secondary Clarifiers	0		11-May-21*	1							
Procurement		2683	03-Oct-14 A	05-Feb-22		◆ EPA Compliance Date for Permitting - ND Secondary Clarifiers 05-Feb-22, Procurement						
ND10410	Procurement - ND Secondary Clarifiers	1339	03-Oct-14 A	05-Jun-18		Procurement - ND Secondary Clarifiers						
ND70980	EPA Start Date for Procurement - ND Secondary Clarifiers	0	06-Feb-21*			◆ EPA Start Date for Procurement -IND Secondary Clarifiers						
ND70500	EPA Compliance Date for Procurement - ND Secondary Clarifiers	0		05-Feb-22*	1	► Charliage Date for Processing Alpha						
Construction		3260	19-Jan-15 A	22-Dec-23		◆ EPA Compliance Date for Procurement - ND, Sec.						
ND70990	EPA Start Date for Construction - ND Secondary Clarifiers	0	01-Dec-18*		1	EPA Start Date for Construction - ND Secondary Clarifiers						
ND70510	EPA Compliance Date for Construction - ND Secondary Clarifiers	0		06-Feb-22*	1							
ND10470	Construction - ND Secondary Clarifiers	3257	19-Jan-15 A	22-Dec-23	<u>1 </u>	◆ EPA Compliance Date for Construction - ND Sec						
ND10520	Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers	0		22-Dec-23*								
			28-Aug-14 A	30-Nov-15 A	0-Nov-15 A, 3.05 (1) Secondary Clarifiers (Replace Mechanisms #3,6,8	,						
	Clarifiers (Replace Mechanisms #3,6 ,8)	459			Ing Design	' 						
Ingineering Design ND20030	Engineering Design (BODR) - Replace Mechanisms #3, 6 & 8	141 142	28-Aug-14 A	16-Jan-15 A								
	Engineering Design (DODIN) - Nepidee Weenidinship #3, 0 & 0			16-Jan-15 A	ODR) - Replace Mechanisms #3, 6 & 8	+						
Procurement ND20050	Drocurement Deplace Machanisms #2 5 0 0	105		16-Jan-15 A								
DELIZIONE DU	Procurement - Replace Mechanisms #3, 6 & 8	106		16-Jan-15 A	Mechanisms #3, 6 & 8 0-Nov-15 A. Construction	+						
		0.45										
Construction ND20060	Construction - Replace Mechanisms #3, 6 & 8	315 316	19-Jan-15 A 19-Jan-15 A	30-Nov-15 A 30-Nov-15 A	Construction - Replace Mechanisms #3, 6 & 8							

	cree Schedule - December 2016 Update			Standard Lay	out w Baseline ((By Phase)																		ın-17	14:20	- Page	e No. 3	8 of 7
tivity ID	Activity Name	Original Duration	Start	Finish	2016		2017	04 6		018	04 0		2019	T 04	01	2020		4 01	202		04 0		022	04 /		2023	04 (2024
Pre-Design		97	23-May-14 A	27-Aug-14 A	Q1 Q2 Q3	Q4 Q1	Q2 Q3	Q4 C	ĮI QZ	Q3	Q4 Q	1 Q2	Q3	Q4	QI	Q2 C	23 Q	4 Q1	Q2	Q3	Q4 Q	1 Q2	Q3	Q4 (Q1 Q2	. Q3	Q4 C	11 6
ND11405	Pre-Design - ND Secondary Clarifiers (Remaining Scope)	97	23-May-14 A	27-Aug-14 A	ifiers (Remaining	(Coope)						i								- 1								
Engineering Design		927	28-Aug-14 A	09-Mar-17	meis (Kemaning	(Cope	9-Mar-17, Er	ngineeri	ng Desig	n					<u> </u>								††				¦	
ND20320	Basis of Design Report (BODR) - ND Secondary Clarifiers	216	28-Aug-14 A	31-Mar-15 A	Report (BODR) - NI	; D Secondary (Clarifiers				1	- 1						1			į		1 1					
ND20330	Negotiate Scope & Cost with MWH - ND Secondary Clarifiers (Remaining Scope)	233	23-Feb-15 A	13-Oct-15 A	otiate Scope & Co	1 1	1 1	dary Cla	rifiers (Re	emainin	g Scope)																	
ND20335	Issue Task Authorization - ND Secondary Clarifiers (Remaining Scope)	0	18-Dec-15 A		Issue Task Author	i i	i i	1 1	1 1	i i		i																
ND20340	30% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	161	18-Dec-15 A	26-May-16 A	1 : : :	esign Submit				1 1		oe)						- 1		- 1	:							
ND20350	30% Design Review - ND Secondary Clarifiers (Remaining Scope)	7	27-May-16 A	02-Jun-16 A	■ 30% □	esign Reviev	/ - NĎ Seco⊓n	ndary CI	arifiers (R	Remaini	ng Scope	:)						-		- 1						- ! '		
ND20360	60% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	147		27-Oct-16 A		60% Desi	gn Submittal	I-NDS	econdary	Clarifie	rs (Rema	ining S	Scope)					1		- 1	:					- 1		
ND20370	60% Design Review - ND Secondary Clarifiers (Remaining Scope)	7	28-Oct-16 A	08-Nov-16 A	1	■ 60% Des	ign Review -	- ND Se	condary (Clarifiers	(Remair	ning Sc	ope)					İ		- 1								
ND20380	100% Design Submittal - ND Secondary Clarifiers (Remaining Scope)	98		09-Feb-17	-	10	0% Design S	Submitta	al - ND Se	econdan	y Clarifier	s (Rem	naining	(\$cope)													
ND20090	Engineering Design - ND Secondary Clarifiers (Remaining Scope)	925		09-Mar-17		i i	ngineering [- 1	i i	1 1	1 1	· ;	1	1														
ND40490	100% Design Review/Permit Ready Submittal - ND Secondary Clarifiers (Remaining Scope)	28 894	10-Feb-17 27-Mar-15 A	09-Mar-17		1	00% Design	n Reviev	v/Pemit I 7 Pemi	Ready 8	Submittal_	- ND.S	econda	ary Clari	fiers. (R	emainir	ng Scop	e)									} <u>}</u>	
Permitting ND70240	FDEP Permit - ND Secondary Clarifiers (Remaining Scope)	672		05-Sep-17 26-Jan-17				1			- 1	- 1	1					İ			į							
ND20100	Permitting - ND Secondary Clarifiers (Remaining Scope)	894	27-Mar-15 A	05-Sep-17	1 1	FDI	EP Permit - N			1 1			- 1					İ		į					i	- 1	1	
ND70250	RER Permit - ND Secondary Clarifiers (Remaining Scope)	180	10-Mar-17	05-Sep-17			1 1			1 1	ry Clarifie		1	1	1 1						į							
ND70260	City of North Miami Permit - ND Secondary Clarifiers (Remaining Scope)	180	10-Mar-17	05-Sep-17	1		1 1	- 1	- 1	1 1	ary Clarifi	1 1	- 1		1 1		_	1										
ND70270	Fire Department Permit - ND Secondary Clarifiers (Remaining Scope)	180	10-Mar-17	05-Sep-17	1						it - ND Se	1	1	1			(e)											
Procurement		273	06-Sep-17	05-Jun-18	T		1	-iie-Dieb	authetit.	05-Jun	ND Secor -18, Proci	uremer	าเราเกา	9;UZEID	բուսանի	- (†uupe			- -				·†				j	
ND71410	Internal Bid Package Review - ND Secondary Clarifiers (Remaining Scope)	3	06-Sep-17	08-Sep-17	1		1.5	Internal	; Bid Pack	age Re	iew - ND	Secon	i darv ∩	; larifiere	(Rema	inina So	ope)			- 1	i							
ND20960	Design Documents Sent to Procurement - ND Secondary Clarifiers (Remaining Scope)	0	09-Sep-17		1		1 1	- 1	- 1	100	to Procur	- 1	1 '			***	1 1	a Scon	e)		į							
ND20970	Submit/Approve SBD Goals and Request to Advertise - ND Secondary Clarifiers (Remaining Scope)	60	09-Sep-17	07-Nov-17			1 1			1 1			1	1	1 1				Remainir	na San	pe)							
ND20980	Advertise Bid Package - ND Secondary Clarifiers (Remaining Scope)	0	08-Nov-17		1		i i	i	i	i i	ge - ND Se	i i	i	i	i i	i	i	, 00		ig odo	pc,							
ND20990	Bid Solicitation Period - ND Secondary Clarifiers (Remaining Scope)	60	08-Nov-17	06-Jan-18						1 1	Period - NI				: :			- 1										
ND21000	Bids Due - ND Secondary Clarifiers (Remaining Scope)	0	07-Jan-18							1 1	econdary		1	1	1 1		,											
ND21010	Bid Review Period - ND Secondary Clarifiers (Remaining Scope)	30	07-Jan-18	05-Feb-18				- 1	1	1 1	riod - ND	- 1	- 1	- 1	: :	- 1	ope)	1					1 1			- 1	1	
ND21020	Award Recommendation - ND Secondary Clarifiers (Remaining Scope)	0		05-Feb-18				9		1 1	mendatio		1.7	1	f - 1	- 1	1 1	ppe)		į						1		
ND20110	Procurement - ND Secondary Clarifiers (Remaining Scope)	270	09-Sep-17	05-Jun-18					1	1 1	ement - N	1	1	1	1 1	1		7			į							
ND21030	Final Approvals (BCC, Mayor, Risk Mgmt.) - ND Secondary Clarifiers (Remaining Scope)	120	06-Feb-18	05-Jun-18		<u> </u>				1 1	:		1 1		1 1	1		Clarifie	rs (Remai	nina S	cope)		<u>. i i</u>					
Construction		2116	06-Jun-18	21-Mar-24					•	1	1	1	-	1			-	1	1			1	1 1	1	1	-	:	2
ND20118	Contractor Notice to Proceed (NTP) - ND Secondary Clarifiers (Remaining Scope)	0	06-Jun-18		1				•	Contra	ctor Notic	e to Pr	oceed ((NTP) -	ND Sed	condary	Clarifie	rs (Ren	naining S	cope)	į							
ND20120	Construction - ND Secondary Clarifiers (Remaining Scope)	2026	06-Jun-18	22-Dec-23	1									<u> </u>										_		ن		Constru
ND20130	3.5 (2) Substantial Completion (CD Compliance Date 8/24/27) - ND Secondary Clarifiers (Remaining Scope)	0		22-Dec-23*	1							1	-					1		- 1	!					1	- ♦ 3	3.5 (2) S
ND40320	Project Closeout - ND Secondary Clarifiers	90		21-Mar-24*																								P
Project Administration ND21550	WASD Project Administration - ND Secondary Clarifiers	3491 3491	28-Aug-14 A 28-Aug-14 A	21-Mar-24 21-Mar-24							i	į						İ			į							
	/ Clarifiers (Replace Mechanisms #1,2,4,5,7,9,10)	1067		29-Jul-17	-		29-	Jul-17, 3	3.05 (3) S	Seconda	ry Clarifie	ers (Rep	olace M	/lechani	isms #	1,2,4,5,7	,9,10)					*****	†****	****		+		· N
Engineering Design	7 olumbro (replace mechanismo # 1,2,4,0,1,0,10)	121	•	05-Jun-15 A	Engineering Desig	gn									!								++					
ND20690	Engineering Design (BODR) - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	122		05-Jun-15 A	Design (BODR) - F	; Penlace Mech	anieme #1	2 4 5	7 Q & 10																			
Procurement		229	04-Feb-15 A	21-Sep-15 A	Design (BODR) - F p-15 A, Procureme	ent	pulisulisa m. 1,24	د. ح. ۷, ۱		-[[-				1	1				1				ii	
ND20700	Procurement - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	230	04-Feb-15 A	21-Sep-15 A	rement - Replace	Mechanisms	#1. 2. 4. 5. 7.	79. & 1	1	.ii		İ	. i	.i	ii	i.		j		İ.	<u>.</u>	j	JI.	j.	j		ll	
Construction		677		29-Jul-17			29-	Jul-17, (Construct	ion											į							
ND20710	Construction - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	457	22-Sep-15 A	30-Apr-17			Construct	tion - Re	place Me	echanisi	ms #1, 2,	4, 5, 7	, 9, & 1	0														
ND20070	Substantial Completion (CD Compliance Date 8/24/27) - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	0		30-Apr-17*	1		Substanti	ial Com	oletion (C	D Com	pliance D	ate 8/2	24/27) -	Replac	e Mech	nanisms	#1, 2, 4	4, 5, 7,	9, & 10	- 1			1 1					
ND70730	Project Closeout - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	90		29-Jul-17*		<u></u>	Proj	iect Clo	seoutR	eplace l	Mechanis ation	sms.#1.	, 2, 4, 5	5, 7, 9, 8	\$ ₋ 10	 											ļļ	
Project Administration	WASD Project Administration - Replace Mechanisms #1, 2, 4, 5, 7, 9, & 10	937		29-Jul-17 29-Jul-17			- 1 1		7	1 1					: :						į							
ND21540 3.06 Disinfection	TOJECT AUTITIOS IN AUTO TO TOJECT AUTITIOS IN TOJECT AUTITIOS AUTITIOS IN TOJECT AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIOS AUTITIO	937 2334	28-Aug-14 A 21-Apr-14 A	29-Jul-17 09-Sep-20				SD. Proj	ect Admi	nistratio	n Repla	ice Med	chanisn	ms #1.	2, 4, 5	7,.9,&.1	09-	Sep-20	, 3.06 Di	sinfect	tion		ļ				} <u>}</u>	
			<u>'</u>		Pre-Design	} - }				-} - }					ļ <u>i</u>	 							. -				} <u>-</u>	
Pre-Design ND20010	Pre-Design - ND Disinfection	114		10-Jun-15 A 10-Jun-15 A	1 1 1						į										;							
Engineering Design	. 10 5 50.gri Tib bioinioodori	1082		06-Apr-17	ND Disinfection	<u> </u>	06-Apr-17, E	Enginee	ring Desi	ign					ļ <u>ļ</u>												} <u></u>	
ND20000	Review Existing Design for Storm Surge & Code Changes - ND Disinfection	253	•	29-Dec-14 A		0-4-05	ND Dist	-64				1						1		- 1	!					1		
ND20020	Revise Design for Code and Storm Surge Changes - ND Disinfection	267	11-Jun-15 A	03-Mar-16 A	for Storm Surge &					D Diains	ination	İ	İ			i		İ		į	į	į		- 1	i	- 1	i i	i
ND10190	Engineering Design - ND Disinfection	826	21-Apr-14 A	24-Jul-16 A	Revise Desi	ign for Code a	Engineering					-																
ND71000	EPA Start Date for Engineering Design - ND Disinfection	0	01-Feb-17*				Start Date f	- -	- 1	1 1	- 1	footion						- 1			:							
ND70520	EPA Compliance Date for Engineering Design - ND Disinfection	0		06-Apr-17*	1									adtion				- 1		- 1	İ							
Permitting		621	25-Jul-16 A	06-Apr-18	-		EPA Compl	lialice.L	06-	Apr-18,	Permitting	g ;	טונון פוןכו.	EGULLI	!													
ND70770	City of N. Miami Permit - ND Disinfection	22	25-Jul-16 A	15-Aug-16 A	n d	ity of N. Mian	ni Permit - NI	D Disin	fection		-			-						- }	:					,		
ND10200	Permitting - ND Disinfection	170	25-Jul-16 A	10-Jan-17		,				m itting	- ND Disi	infectio	n			i				i	į		1 1	i				i
ND70780	DERM Permit - ND Disinfection	149	15-Aug-16 A	10-Jan-17		DER	: M Pelmit - N	ID Disin	fection	1 1				-							-					- '		
ND71010	EPA Start Date for Permitting - ND Disinfection	0	07-Apr-17*			: :	EPA Start D		!	g - ND F	Disinfection	on		}						- 1								
ND70530	EPA Compliance Date for Permitting - ND Disinfection	0		06-Apr-18*	1				1	1 1	liance Da	1	Permitti	ina - NF	Disinf	ection			1									
Procurement		816	11-Jan-17	06-Apr-19								06	6-Apr-19	9, Proci	lrem en	1					7					1	[
ND71420	Internal Bid Package Review - ND Disinfection	3	11-Jan-17	13-Jan-17	1	l Inter	nal Bid Pack	age Re	view - ND	Disinfe	ection			-		į				į	į		1 1					į
ND21040	Design Documents Sent to Procurement - ND Disinfection	0	14-Jan-17		_	: :	gn Docum er		1	1 1	1	nfectio	n	-						- 1								
NDO4050	Submit/Approve SBD Goals and Request to Advertise - ND Disinfection	60	14-Jan-17	14-Mar-17			Submit/Appro		i i	1 1	1		1	Disinfed	tion			1	1 1	į		-	1 1			- 1		
ND21050 ND21060	Advertise Bid Package - ND Disinfection		15-Mar-17		- : : :				, opalo a	iiju ixeqi	uest to Au	iveiuse	- IND L								- 1	1	1 1		,			

ty ID	cree Schedule - December 2016 Update Activity Name	Original	Start	Standard Lay	2016	2017 2018	2019	2020	2021	2022	20	Page No.
		Duration			Q1 Q2 Q3 Q4 (Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	4 Q1 Q2 Q3 Q4 Q1	Q2 Q3 Q4 Q	1 Q2 Q3 Q4	Q1 Q2	Q3 Q4
ND21070	Bid Solicitation Period - ND Disinfection	60	15-Mar-17	13-May-17		Bid Solicitation Period - ND Disinfect	tion					
ND21080	Bids Due - ND Disinfection	0	14-May-17			◆ Bids Due - ND Disinfection						
ND21090	Bid Review Period - ND Disinfection	30	14-May-17	12-Jun-17		☐ Bid Review Period - ND Disinfectio	on					
ND21100	Award Recommendation - ND Disinfection	0		12-Jun-17		◆ Award Recommendation - ND Disi	infection					
ND10260	Procurement - ND Disinfection	270	14-Jan-17	10-Oct-17			Procurement -	ND Disinfection				
ND21110	Final Approvals (BC C, Mayor, Risk Mgmt.) - ND Disinfection	120	13-Jun-17	10-Oct-17		Final Approvals (BCC, May	or, Risk Mgmt.) - ND Dis	infection				
ND71020	EPA Start Date for Procurement - ND Disinfection	0	07-Apr-18*			◆ EPA Start Date	e for Procurement - ND Di	isinfection				
ND70540	EPA Compliance Date for Procurement - ND Disinfection	0		06-Apr-19*		<u> </u> <u> </u>		nce Date for Procurement - ND D 09-Sep-20	isinfection			
Construction		1065	11-Oct-17	09-Sep-20		V		09-Sep-20	Construction			
ND10328	Contractor Notice to Proceed (NTP) - ND Disinfection	0	11-Oct-17			 Contractor Notice to Proce 	ed (NTP) - ND Disinfection	on!				
ND10330	Construction - ND Disinfection	522	11-Oct-17	16-Mar-19				Constructi	on - ND Disinfection			
ND10380	Substantial Completion (CD Compliance Date 9/09/20) - ND Disinfection	0		16-Mar-19*			◆ Substantial Cor	mpletion (CD Compliance Date	0/09/20) - ND Disinfecti	on		
ND71030	EPA Start Date for Construction - ND Disinfection	0	07-Apr-19*				◆ EPA Start Date	e for Construction - ND Disinfect	on			
ND40330	Project Closeout - ND Disinfection	90	17-Mar-19	14-Jun-19*			Project C	loseout - ND Disinfection				
ND70550	EPA Compliance Date for Construction - ND Disinfection	0		09-Sep-20*				◆ EPA Comp Project Administration	liance Date for Constru	ctionND_Disinfec	tion	
Project Administration		1462	11-Jun-15 A	14-Jun-19			14-Jun-19	9, Project Administration				
ND21560	WASD Project Administration - ND Disinfection	1462	11-Jun-15 A	14-Jun-19			WASD Pr	ojectAdministration - ND Disinf	ection.			
3.07 Effluent Dispo	osal	2868	21-Feb-14 A	28-Dec-21				1 1 1 1	2	3-Dec-21, 3.07 Effl	uent Disposal	
Pre-Design		145		28-Feb-15 A	sign							
ND11415	2 - Pre-Design - ND Ocean Outfall Pump Station	146	06-Oct-14 A	28-Feb-15 A	Ocean Outfall Pump Statio	on. 16 A, Engineering Design		· · · · · · · · · · · · · · · · · · ·				ļļ
Engineering Design	4 F D DNAD	826	10-Jun-14 A	12-Sep-16 A	12-Sep-	To A, Engineering Design						
ND20780	1b - Engineering Design - DIW Pump Station Electrical	119	10-Jun-14 A	06-Oct-14 A	V Pump Station Electrical							
ND10120	Engineering Design (Summary) - ND Effluent Disposal	431	12-Aug-14 A	16-Oct-15 A	Enginee	ering Design (Summary) - ND Effluent Disposa	al					
ND20730	1a - Engineering Design - DIW Pump Station Mechanical	431	12-Aug-14 A	16-Oct-15 A	Engineering Design - D W	Pump Station Mechanical						
ND71040	EPA Start Date for Engineering Design - ND Effluent Disposal	0	01-Dec-15 A		EPA Start Date for Engineer	ing Design - ND Effluent Disposal						
ND70560	EPA Compliance Date for Engineering Design - ND Effluent Disposal	0		12-Sep-16 A	◆ EPA Co	mpliance Date for Engineering Design - ND-Ef	ffluent Disposal					1
Permitting		1775		27-Dec-19			1 1 1	27-Dec-19, Permitting				
ND20790	1b - Permitting - DIW Pump Station Electrical	31	17-Feb-15 A	19-Mar-15 A	IW Pump Station Electrica	1						
ND10140	Permitting (Summary) - ND Effluent Disposal	291	17-Feb-15 A	04-Dec-15 A				Permitting (Summary) - ND I	ffluent Disposal			
ND20740	1a - Permitting - DIW Pump Station Mechanical	207	12-May-15 A	04-Dec-15 A	la - Permitting - DIW Pump	Station Mechanical						
ND71050	EPA Start Date for Permitting - ND Effluent Disposal	0	13-Sep-16 A		1 1 1 1 1	urt Date for Permitting - ND Effluent Disposal						
ND70570	EPA Compliance Date for Permitting - ND Effluent Disposal	0		27-Dec-19*				EPA Compliance Date for Pe	: emitting - ND Effluent [Disposal		
Procurement		2268	21-Feb-14 A	07-May-20	1 1		1 1 1 1	◆ EPA Compliance Date for Pr 07-May-20, Procure	ment			
ND20800	1b - Procurement - DIW Pump Station Electrical	110	21-Feb-14 A	10-Jun-14 A	Electrical							
ND11425	1b - Owner Pre-Purchase Elect. Equip DIW Pump Station Electrical	586	10-May-14 A	16-Dec-15 A	1 1 1 1	Elect. Equip DIW Pump Station Electrical						
ND21120	1a - Design Documents Sent to Procurement - DIW Pump Station Mechanical	0	06-May-16 A		1 : : :	uments Sent to Procurement - DIW Pump Stat	tion Mechanical					
ND21130	1a - Submit/Approve SBD Goals and Rquest to Advertise - DIW Pum p Station Mechanical	28	06-May-16 A	02-Jun-16 A	1 1 1 1 1 1	prove SBD Goals and Rquest to Advertise - DI	1 1 1 1	nical				
ND21140	1a - Advertise Bid Package - DIW Pump Station Mechanical	0	03-Jun-16 A		1 1 1 1	Bid Package - DIW Pump Station Mechanical	i i i i	iliçai				
ND21150	1a - Bid Solicitation Period - DIW Pump Station Mechanical	41	03-Jun-16 A	13-Jul-16 A	1 1 1	citation Period - DIW Pump Station Mechanic	1 1 1					
ND21160	1a - Bids Due - DIW Pump Station Mechanical	0	14-Jul-16 A		i i i	ie - DIW Pump Station Mechanical	,cai					
ND21170	1a - Bid Review Period - DIW Pump Station Mechanical	50	14-Jul-16 A	01-Sep-16 A	1 1 1 1	Review Period - DIW Pump Station Mechanica	al					
ND21180	1a - Award Recommendation - DIW Pump Station Mechanical	0		01-Sep-16 A	1 1 1 1	ard Recommendation - DIW Pump Station Med	1 1 1 1					
ND20750	1a - Procurement - DIW Pump Station Mechanical	149	06-May-16 A	17-Oct-16 A		Procurement - DIW Pump Station Mechanical	ulallicar					
ND21190	1a - Final Approvals (BCC, Mayor, Risk Mgmt.) - DIW Pump Station Mechanical	30	02-Sep-16 A	17-Oct-16 A			MA Duma Ctation Madhan	ind				
ND10230	Procurement (Summary) - ND Effluent Disposal	954	21-Feb-14 A	17-Oct-16 A	Ta-F	inal Approvals (BCC, Mayor, Risk Mgmt.) - DIV	vv, rump Station Mechan		nary) - ND Effluent Disp	osal		
ND71060	EPA Start Date for Procurement- ND Effluent Disposal	0	13-Sep-17*			A FDA 64-4 D-4- 5-4 D-4	out ND Efficant Diag		,, ,,, ,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,			
ND70580	EPA Compliance Date for Procurement - ND Effluent Disposal	0	•	07-May-20*	-	◆ EPA Start Date for Procureme	בווג- ואט בווuent Disposa		oto for brown	D Effluent Di		
Construction		2585	01-Dec-14 A	28-Dec-21				◆ EPA Compliance D	ate 101 Produtement - N	ע בוועפון עוגאסsal 3-Dec-21, Construc	tion	j
ND11345	2 - Construction - ND Ocean Outfall Pump Station	96	01-Dec-14 A	06-Mar-15 A	D Ocean Outfall Duma the	tion						
ND11355	2 - Substantial Completion (CD Compliance Date 12/28/21) - ND Ocean Outfall Pump Station	0		06-Mar-15 A	D Ocean Outfall Pump Sta	oate 12/28/21) - ND Ocean Outfall Pump Static	on					
ND20810	1b - Construction - DIW Pump Station Electrical	317	18-Feb-15 A	31-Dec-15 A	1bletion (CD Compliance L		UII					
ND20820	1b - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Electrical	0		31-Dec-15 A	1 1 1 1		mo Ctation Eld-tai					
ND20758	1a - Contractor Notice to Proceed (NTP) - DIW Pump Station Mechanical	0	18-Oct-16 A			ion (CD Compliance Date 12/28/21) - DIW Pur	- f - 1 - 1 - 1					
ND10280	Construction (Summary) - ND Effluent Disposal	1054	18-Feb-15 A	18-Jun-18	- 1a C	Contractor Notice to Proceed (NTP) DIW Pum	otation Mechanical			onstruction (Summ	anv) - ND Effici	ent Dienosal
ND20760	1a - Construction - DIW Pump Station Mechanical	462	18-Oct-16 A	18-Jun-18	1 1 1						aly) - ND Emay	in Disposal
ND10460	Substantial Completion (CD Compliance Date 12/28/21) - ND Effluent Disposal	0		18-Jun-18*	-		struction - DIW Pump Sta					
ND10458	1a - Substantial Completion (CD Compliance Date 12/28/21) - DIW Pump Station Mechanical	0		18-Jun-18*	1		i i i i	pliance Date 12/28/21) - ND Efflu	i i i i	. . .		
ND40340	Project Closeout - DIW Pump Station Mechanical	90	19-Jun-18	16-Sep-18*	-			Compliance Date 12/28/21) - DIV	Pump Station Mechar	ııcal		
ND71070	EPA Start Date for Construction - ND Effluent Disposal	0	08-May-20*	. 5 ССР-10	-	Proj	iect Closeout - DIW Pum					
ND71070 ND70590	·	0	00-iviay-∠0	28-Dec-21*	-			◆ EPA Start Date for 0	Construction - ND Efflue	1 1 1		
	EPA Compliance Date for Construction - ND Effluent Disposal	_	10 Jun 11 A	_	<u> </u>	16.3	Sep-18, Project Administ	ration	.;	PA Compliance Da	te for Construc	tion - ND Eff
Project Administration		1397 1397	10-Jun-14 A	16-Sep-18								
ND21570	WASD Project Administration - DIW Pump Station Electrical		10-Jun-14 A	16-Sep-18			SD Project Administration	on - DIW Pump Station Electrical	<u> </u>	20-Δ	ug-22, 3,08 Pla	ant Wide Fle
3.08 Plant Wide Ele	иестисан 	3044	21-Apr-14 A	20-Aug-22			06 Mar 40 F	Pooring Docion				
Engineering Design	EDM Of the Data for Facility and a Davids - NO DV - 1987 L. Fig. 17	1771	•	05-Mar-19			05-Mar-19, Engir	reening tresign				
ND71080	EPA Start Date for Engineering Design - ND Plant Wide Electrical	0	21-Apr-14 A		ID Plant Wide Electrical							
ND70600	EPA Compliance Date for Engineering Design - ND Plant Wide Electrical	0		20-Jan-17*		EPA Compliance Date for Engineering Desig	n - ND Plant Wide Elect	rical				
ND10040	Engineering Design - ND Plant Wide Electrical	1761	01-May-14 A	05-Mar-19	1 1			sign - ND Plant Wide Electrical				1 1 1
Permitting		1576	01-May-15 A	01-Sep-19	1 1 1		01-8	Sep-19, Permitting				

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	,	Duration			Q1 Q2 Q3 C						Q3 Q4		Q1 Q2 Q3 Q4			
ND71090	EPA Start Date for Permitting - ND Plant Wide Electrical	0	21-Jan-17*			♦ EPA €	Start Date for Per	nittina - ND Pl	lant Wide Ele	ectrical						
ND70610	EPA Compliance Date for Permitting - ND Plant Wide Electrical	0		20-Jan-18*				EPA Compli	iance Date fo	or Permitting		Wide Electrical				
ND10180	Permitting - ND Plant Wide Electrical	1576	01-May-15 A	01-Sep-19							Permitt	ing - ND Plant Wide El	ectrical 28-Nov-20, Procuremen	, 	ļļļ	
ocurement ND71100	EPA Start Date for Procurement - ND Plant Wide Electrical	2125	12-Mar-15 A 21-Jan-18*	28-Nov-20								_	20-NOV-20, Filoculement	"		
ND71100 ND70620	EPA Compliance Date for Procurement - ND Plant Wide Electrical	0	21-0411-10	20-Jan-19*	1			► EPA Start D			1 1	1 1 1				
ID10250	Procurement - ND Plant Wide Electrical	2125	12-Mar-15 A	28-Nov-20	-				•	EPA Compl	liance Date	for Procurement - ND I	Plant Wide Electrical Procurement - ND Plant	t Wide Fleetride		
nstruction	T ISSUED TO THE THE THE TENT OF THE TENT O	2516	01-Oct-15 A	20-Aug-22	1 1		1 1					1 1 1	Tioculement - ND Flam		20-Aug-22, Constr	ruction
D71110	EPA Start Date for Construction - ND Plant Wide Electrical	0	21-Jan-19*		1					EBA Start D	hate for Con	struction - ND Plant W	de Electrical			
D10320	Construction - ND Plant Wide Electrical	2493	01-Oct-15 A	22-Jan-22				1 1	<u> </u>	EFA Stall D	Jale IOI COII	Struction - IND Flant W	de Electrical		Construction - ND) Plant Wide El
D10480	Substantial Completion (CD Compliance Date 8/20/22) - ND Plant Wide Electrical	0		22-Jan-22*										T : :	ompletion (CD Co	
D40350	Project Closeout - ND Plant Wide Electrical	90	23-Jan-22	22-Apr-22*	1										Closeout - ND Pla	F 1
D70630	EPA Compliance Date for Construction - ND Plant Wide Electrical	0		20-Aug-22*	1										EPA Compliance	
ject Administration		3011	01-May-14 A	22-Jan-22										22 Jan-22, Pro	ject Administratio	'n
D21580	WASD Project Administration - ND Plant Wide Electrical	3011	01-May-14 A	22-Jan-22	- 1250 - 1360 - 1366	22.3.2 \$65,000.00			8	2 -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			!!	WASD Project	t.Administration - N	ND Plant Wide
` '	General Electrical In-house Construction (Feeders 1-2)	624	01-May-14 A	15-Jan-16 A	7 15-Jan-16 A, 3.08	1.1	IP General Electr	icai in-nouse (Construction	(Feleders 1-2	2)				ļ	
gineering Design	Facility of the Province Floriday London 4.0	400	01-May-14 A	05-Jun-15 A	Engineering Design											
D20470	Engineering Design - Electrical Feeders 1-2	401	01-May-14 A	05-Jun-15 A	Design - Electrical Fe	eders 1-2							·			
mitting D70230	Permitting - Electrical Feeders 1-2	35	01-May-15 A 01-May-15 A	05-Jun-15 A 05-Jun-15 A				Permitting	- Electrical Fe	eders 1 d						
curement		202	12-Mar-15 A	30-Sep-15 A	ep-15 A, Procurement	<i></i>		r cilliluliy -	Liccuical re	.cucio 1-4						
D40520	Procurement - Electrical Feeders 1-2	203	12-Mar-15 A	30-Sep-15 A				-		Procuremen	nt - Electric	al Feeders 1-2				
struction		106	01-Oct-15 A	15-Jan-16 A	7 15-Jan-16 A, Cons	truction					7.00010					
21460	Construction - Electrical Feeders 1-2	107	01-Oct-15 A	15-Jan-16 A	1				-						Construction - Ele	ectrical Feeder
(2) - Electrical F	Feeders 3-6 (Project 3.01)	1246	01-May-14 A	28-Sep-17	1 1 1		▼ 28-Se	p-17, 3.08 (2)	- Electrical F	eeders 3-6 (l	(Project 3.01)				
ineering Design		400	01-May-14 A	05-Jun-15 A	Engineering Design					[[
70180	Engineering Design - Electrical Feeders 3-6 (Project 3.01)	401	01-May-14 A	05-Jun-15 A		Engin	neering Design - E	lectrical Feed	ders 3-6 (Proje	ect 3.01)					.iii	
nitting		35	01-May-15 A	05-Jun-15 A	Permitting			.								
070190	Permitting - Electrical Feeders 3-6 (Project 3.01)	36	01-May-15 A	05-Jun-15 A	Service visited			Permitting -	Electrical Fe	eders 3-6 (P	Project 3.01)				
curement	Processor Florida Fooder 0.0 (Period 0.04)	207	08-Apr-15 A	01-Nov-15 A	Nov-15 A, Procureme	ent									
040530	Procurement - Electrical Feeders 3-6 (Project 3.01)	208	08-Apr-15 A	01-Nov-15 A			28.96	p-17, Constru		Procuremer	nt - Electric	al Feeders 3-6 (Project	3.01)		ļ	
D21470	Construction - Electrical Feeders 3-6 (Project 3.01)	696 696	02-Nov-15 A 02-Nov-15 A	28-Sep-17 28-Sep-17			20-00	p-17, Constitu	-	- 1 1	-			<u> </u>	Construction - Ele	ootrical Fooder
	Feeders 7-8 (Project 3.04)	1564	25-Mar-17	05-Jul-21		-							05-Jul-2	1, 3.08 (3) - Electrica		
ineering Design		711	25-Mar-17	05-Mar-19						▼ 05-Mar-1	19, Enginee	ring Design	1111			
070140	Engineering Design - Electrical Feeders 7-8 (Project 3.04)	711	25-Mar-17	05-Mar-19			1 1 1	<u> </u>	1 1	_ Engineer	ring Design	- Electrical Feeders 7-	8 (Project 3.04)			
mitting		180	06-Mar-19	01-Sep-19		1				V	101-Sep	-19, Permitting				
70150	Permitting - Electrical Feeders 7-8 (Project 3.04)	180	06-Mar-19	01-Sep-19				·			Permitt	ing - Electrical Feeders				
curement		270	05-Sep-19	31-May-20					<u> </u>			31-May-20,	Procurement			
D40540	Procurement - Electrical Feeders 7-8 (Project 3.04)	270	05-Sep-19	31-May-20	ļļ							Procuremen	nt - Electrical Feeders 7-8	8 (Project 3.04)	<u> </u>	
struction	Occasionation Floridate Fooders 70 (Period 204)	400	01-Jun-20	05-Jul-21						1 1	<u>i i</u>	<u> </u>	05-Jul-2	<u> </u>		
21480	Construction - Electrical Feeders 7-8 (Project 3.04)	400 750	01-Jun-20 04-Jan-20	05-Jul-21 22-Jan-22	∤						···· i ····· i				Construction - Ele	
(4) - Electrical F	reders 9-14	120	04-Jan-20 04-Jan-20	02-May-20								02-May-20, E	ngineedng Design			
ineering Design 040500	Decision Date for Remaining Feeders - Electrical Feeders 9-14	0	04-Jan-20*	02-iviay-20	1									.		
71210	Engineering Design - Electrical Feeders 9-14	120	04-Jan-20	02-May-20		→ :					•		naining Feeders - Electri Design : Electrical Feede			
nitting	3 · · · 3 · · · · · · · · · · · · · · ·	90	03-May-20	31-Jul-20	l							31-Jul-		79 5-17		
071220	Permitting - Electrical Feeders 9-14	90	03-May-20	31-Jul-20	1			•				Permitt	ing - Electrical Feeders 9			
urement		120	01-Aug-20	28-Nov-20	_				 				28-Nov-20, Procuremen		7	
040550	Procurement - Electrical Feeders 9-14	120	01-Aug-20	28-Nov-20									Procurement - Electrica		.ii.	
struction		420	29-Nov-20	22-Jan-22								V		22-Jan-22, Co	1 1 1	
021490	Construction - Electrical Feeders 9-14	420	29-Nov-20	22-Jan-22	<u> </u>	<u></u>		7-3-65-19-1						<u> </u>	Construction - Ele	ctrical Feeder
Flood Mitigatio	on	1228	04-Apr-14 A	13-Aug-17			- J3-Aug-1	7, 3.09 Flood	i wiingation				<u> </u>		<u> </u>	
ineering Design	FDLOU LD L C F D	422	04-Apr-14 A	30-May-15 A	Engin eering Design											
071120	EPA Start Date for Engineering Design - ND Flood Mitigation	0	21-Apr-14 A		ID Flood Mitigation											
020650	Flood Mitigation Interim Solution Letter - ND Flood Mitigation	0	24-Nov-14 A	20 May 45 A	olution Letter - ND Flo		n									
010030	Engineering Design - ND Flood Mitigation	422	04-Apr-14 A	30-May-15 A	Desigh - ND Flood Mi	-										
070640	EPA Compliance Date for Engineering Design - ND Flood Mitigation	0	27 Nov. 1.4. A	30-May-15 A	nce Date for Enginee 6-Nov-15 A. Permittir	ring Design	- ND_Flood_Mitiga	ation					.		ļļ	
nitting 071130	EPA Start Date for Permitting - ND Flood Mitigation	364	27-Nov-14 A 27-Nov-14 A	26-Nov-15 A	1 1 1 1											
010060	Permitting - ND Flood Mitigation	1	01-May-15 A	01-May-15 A	ing - ND Flood Mitiga remitting - ND Flood											
D70650	EPA Compliance Date for Permitting - ND Flood Mitigation	0	or may-10A	26-Nov-15 A	1 1 1				1 1							
curement	2.77. Somphanos Bato for Formitang - ND Frood Withgatton	579	01-May-15 A	25-Nov-16 A	PA Compliance Date	for Permitting 25-Nov-16	ng - ND Flood Mit 3 A. Procurement	tigation					1111		+	
D71140	EPA Start Date for Procurement - ND Flood Mitigation	0	27-Nov-15 A	20110V-1074	1 1 1 1											
D10110	Procurement - ND Flood Mitigation	421	01-May-15 A	24-Jun-16 A	PA Start Date for Pro		ID Flood Mitigatio ient - ND Flood M									
D70660	EPA Compliance Date for Procurement - ND Flood Mitigation	0	.,	25-Nov-16 A		1	1 1 1	- 1	ND Floration	ifi anti-an						
struction		836	01-May-15 A	13-Aug-17	 	▼. EPA Com	pliance Date for 13-Aug-1	7, Constructio	U - 1000 MI	urdation			iiii		†	
D10160	Construction - ND Flood Mitigation	421	01-May-15 A	24-Jun-16 A		++		tion - ND Floo	1 1							
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WASD Consent De	ecree Schedule - December 2016 Update		(Standard Layo	out w Baseline (By Phase) 13-Jan-17 14:20 - Page No. 41
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023
ND71150	EPA Start Date for Construction - ND Flood Mitigation		26-Nov-16 A		Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
ND40360	Project Closeout - ND Flood Mitigation	120		22-Jan-17*	PA Start Date for Construction - ND Flood Mitigation □ Project Closeout - ND Flood Mitigation
ND70670	EPA Compliance Date for Construction - ND Flood Miligation	0		13-Aug-17*	▼ 24-Jun-16 A, Project Administration
Project Administration	on	812	04-Apr-14 A	24-Jun-16 A	24-Jun-16 A, Project Administration
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	2436	05-Apr-15 A	04-Dec-21	▼ 04-Dec-21, 3.10 Yard Piping Replacement
Pre-Design		0	06-Apr-15 A	06-Apr-15 A	Design Design
ND11435	Pre-Design - ND Secondary Clarifiers	1	06-Apr-15 A	06-Apr-15 A	Secondary Clarifiers
Engineering Design	Engineering Design - ND Yard Piping Replacement	833	06-Apr-15 A	16-Jul-17	▼ 16-Jul-17, Engineering Design
ND10100 ND71160	EPA Start Date for Engineering Design - ND Yard Piping Replacement	0	06-Apr-15 A 10-Apr-16 A	06-Apr-15 A	Engineering Design - ND Yard Piping Replacement
ND71160 ND70680	EPA Compliance Date for Engineering Design - ND Yard Piping Replacement	0	10-Api-10 A	16-Jul-17*	♦ EPA Start Date for Engineering Design - ND Yard Piping Replacement
Permitting	ETA Compilation Date for Engineering Design - 14D Tale 1 Tiping Replacement	1013	06-Apr-15 A	12-Jan-18	◆ EPA Compliance Date for Engineering Design - ND Yard Piping Replacement: ▼ 12-Jan-18, Permitting:
ND10150	Permitting - ND Yard Piping Replacement	1	06-Apr-15 A	06-Apr-15 A	Permitting - ND Yard Piping Replacement
ND71170	EPA Start Date for Permitting - ND Yard Piping Replacement	0	17-Jul-17*		1
ND70690	EPA Compliance Date for Permitting - ND Yard Piping Replacement	0		12-Jan-18*	EPA Start Date for Permitting - ND Yard Piping Replacement □ FDA Compliants Date for Permitting - ND Yeard Piping Replacement
Procurement		1284	05-Apr-15 A	09-Oct-18	▶ EPA.Compliance Date for Permitting - ND Yard Piping Replacement ○9-Oct-18, Procurement
ND10240	Procurement - ND Yard Piping Replacement	2	05-Apr-15 A	06-Apr-15 A	Procurement - ND Yard Piping Replacement
ND71180	EPA Start Date for Procurement - ND Yard Piping Replacement	0	13-Jan-18*		► EPA Start Date for Procurement - ND Yard Piping Replacement
ND70700	EPA Compliance Date for Procurement - ND Yard Piping Replacement	0		09-Oct-18*	◆ EPA Compliance Date for Progurement - ND Yard Proing Replacement
Construction		2386		04-Dec-21	▼ 04-Dec-21, Construction
ND20870	Rehab 1st 84" Pipe - ND Yard Piping Replacement	123	25-May-15 A	24-Sep-15 A	b 1st 84" Pipe - ND Yard Piping Replacement
ND10290	Construction - ND Yard Piping Replacement	366		24-May-16 A	Construction - 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		24-May-16 A	♦ Substantial Completion (CD Compliance Date 12/04/21) - ND Yard Piping Replacement
ND40370	Project Closeout - ND Yard Piping Replacement	151	25-May-16 A	22-Jan-17*	Project Closeout - ND Yard Piping Replacement
ND71190	EPA Start Date for Construction - ND Yard Piping Replacement	0	10-Oct-18*	0.15	► EPA Start Date for Construction - ND Yard Piping Rep(acement
ND70710	EPA Compliance Date for Construction - ND Yard Piping Replacement	0	00.4 45.4	04-Dec-21*	Date for Construction - ND Yard Project Administration ♠ EPA Compliance Date for Construction - ND Yard Project Administration
Project Administration ND21600	WASD Project Administration - ND Secondary Clarifiers	414	06-Apr-15 A 06-Apr-15 A	24-May-16 A 24-May-16 A	
	·	540	· ·	24-Mar-15 A	WASD Project Administration - ND Secondary Clatifiers.
3.11 SCADA RTI Construction	U Opgrades	540	<u> </u>	24-Mar-15 A	struction
ND71200	EPA Start Date for Construction - ND SCADA RTU Upgrades	540	30-Sep-13 A 01-Oct-13 A	24-IVIAI-15 A	
ND10020	Construction - ND SCADARTU Upgrades	423		26-Nov-14 A	_tades SCADA R TU Upgrades
ND10070	Substantial Completion (CD Compliance Date 3/24/15) - ND SCADA RTU Upgrades	0	00 000 1071	26-Nov-14 A	7
ND70720	EPA Compliance Date for Construction - ND SCADA RTU Upgrades	0		24-Mar-15 A	D Compliance Date 3/24/15) ND SCADA'RTU Upgrades
	Construction Management Office	1338	04-Jan-16 A	02-Sep-19	Date for Construction - ND SCADA RTU Upgrades © 02-Sep-19, 3 CM NDWWTP Construction Management Office
Pre-Design		119	04-Jan-16 A	02-May-16 A	02-May-16 A, Fire-De\$ign
ND70000	Pre-Design - NDWWTP CM Office	120	04-Jan-16 A	02-May-16 A	Pi Data Appending Cit Cit Cit Cit Cit Cit Cit Cit Cit Cit
Engineering De sign		248	03-May-16 A	31-Mar-17	Pre-Design - NDWWTP CM Office 31-Mar-17 Engineering Design
ND71240	Design Put On Hold - NDWWTP CM Office	0	03-Jun-16 A		♦ Design Put On Hold - NDWWTP CM Office
ND70010	Engineering Design - NDWWTP CM Office	248	03-May-16 A	31-Mar-17	Engineering Design - NDWWTP.CM Office
Permitting		90	01-Apr-17	29-Jun-17	29-Jun-17, Permitting
ND70020	Permitting - NDWWTP CM Office	90	01-Apr-17	29-Jun-17	Permitting - NDWWTP-CM Office
Procurement	D	105	30-Jun-17	12-Oct-17	12-Dct-17, Procurement
ND70030	Procurement - NDWWTP CM Office	105	30-Jun-17	12-Oct-17	Procurement - NDWWTP CM Office V02-Sep-19, Construction
Construction ND70040	Construction - NDWWTP CM Office	690 600	13-Oct-17 13-Oct-17	02-Sep-19 04-Jun-19	
ND70040 ND70740	Project Closeout - NDWWTP CM Office	90	05-Jun-19	04-Jun-19 02-Sep-19*	Construction - NDWWTP CM Office
	•	5841	01-Oct-11 A	27-Sep-19	Project Closeout - NDWWTP QM Office
	Collection & Transmission Line				
4.01 Collection S	system vi kepairs	5110		27-Sep-27	
Construction	EDA Start Data for Construction Collection System I/I Densir	5110		27-Sep-27	
CT71230 CT10430	EPA Start Date for Construction - Collection System I/I Repair Substantial Completion (CD Compliance Date 9/27/27) - Collection System I/I Repair	0	01-Oct-13 A	29-Dec-23*	_Repair
CT10430	Construction - Collection System I/I Repair	4054	01-Oct-13 A	30-Nov-24	- <u> </u>
CT50590	EPA Compliance Date for Construction - Collection System I/I Repair	4054	01-00F13A	27-Sep-27*	+ + + + + + + + + + + + + + + + + + + +
4.01 (1.0) - PMCN	·	3591	01-Feb-15 A	30-Nov-24	
Engineering Design	. VIII III V	851	01-Feb-15 A	31-May-17	▼ 31-May-17, Engineering Design
CT30000	CIPP Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	18		18-Feb-15 A	& Scope to MDWASD - 2015/2016 Fiscal Year
CT30090	CIPP Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (PO 168)	55		24-Jun-16 A	Scope to MDWASD - 2015/2016 Hiscal Year CIPP Specifications & Scope:to MDWASD - 2016/2017 Fiscal Year (PO 168)
CT30220	CIPP Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	31	01-May-17*	31-May-17	
Procurement		1004		31-Oct-17	CIPP Specifications & Scope to MDWASD 2017/2018 Fiscal Year 31-Oct-17, Procurement
CT30010	CIPP Contractor Procurement - 2015/2016 Fiscal Year	303	01-Feb-15 A	30-Nov-15 A	DIPP Contractor Procurement -2015/2016 Fiscal Year
CT30120	CIPP Contractor Procurement - 2016/2017 Fiscal Year (RPQ PO 193)	91	02-Aug-16 A	31-Jan-17	CIPP Contractor Procurement - 2016/2017 Fiscal Year (RPQ PO 193)
CT30230	CIPP Contractor Procurement - 2017/2018 Fiscal Year	153	01-Jun-17	31-Oct-17	CIPP Contractor Procurement - 2017/2018 Fiscal Year
Construction		3282	07-Dec-15 A	30-Nov-24	The London Industry Transfer of the Control of the
CT30060	CIPP Contract (Construction) - 2015/2016 Fiscal Year (PO 168)	366	07-Dec-15 A	06-Feb-17	CIPP Contract (Construction) - 2015/2016 Fiscal Year (PO 168)
	CIPP Contract (Construction) - 2016/2017 Fiscal Year (PO 193)	365	01-Feb-17*	31-Jan-18	

	Decree Schedule - December 2016 Update				ayout w Baseline (By Phase) 13-Jan-17 14:20 - Page No. 42 of
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 202 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
CT30240	CIPP Contract (Construction) - 2017/2018 Fiscal Year	365	01-Dec-17*	30-Nov-18	
CT50100	CIPP Contract (Construction) - 2018/2019 Fiscal Year	365	01-Dec-18*	30-Nov-19	
CT50110	CIPP Contract (Construction) - 2019/2020 Fiscal Year	366	01-Dec-19*	30-Nov-20	
CT50120	CIPP Contract (Construction) - 2020/2021 Fiscal Year	365	01-Dec-20*	30-Nov-21	
CT50130	CIPP Contract (Construction) - 2021/2022 Fiscal Year	365	01-Dec-21*	30-Nov-22	CIPP Contract (Construction) - 2
CT50140	CIPP Contract (Construction) - 2022/2023 Fiscal Year	365	01-Dec-22*	30-Nov-23	
CT50150	CIPP Contract (Construction) - 2023/2024 Fiscal Year	366	01-Dec-23*	30-Nov-24	
4.01 (1.1) - PMCI	M Dig & Replace I/I Repairs	3562	01-Mar-15 A	29-Nov-24	
Engineering Design		776	01-Mar-15 A	14-Apr-17	14-Apr-17; Engineering Design
CT30020	Dig & Replace Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	10	01-Mar-15 A	10-Mar-15 A	A crifications & Scope to NDWASD - 2015/2016 Fiscal Year
CT30100	Dig & Replace Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2229)	93	01-May-16 A	01-Aug-16 A	A Drg & Replace Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2229)
CT30180	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	30	16-Mar-17	14-Apr-17	Dig & Replace Specifications & Scope to MDWASD - 2017/2018 Fiscal Year.
Procurement		940	01-Mar-15 A	25-Sep-17	
CT38000	Dig & Replace Contractor B Procurement - 2015/2016 Fiscal Year	232	01-Mar-15 A	18-Oct-15 A	a Replace Dollitactor birtoculetiletit - 2013/2010 Fiscal teal.
CT30040	Dig & Replace Contractor A Procurement - 2015/2016 Fiscal Year	239	01-Mar-15 A	25-Oct-15 A	Tak Replace Contigotion A Production the Production of the Production of the Production A Produc
CT38010	Dig & Replace Contractor C Procurement - 2015/2016 Fiscal Year	324	01-Mar-15 A	18-Jan-16 A	Dig & Replace Contigctor G Procurement - 20 to 20 to Fiscal feat
CT30130	Dig & Replace Contractor Procurement - 2016/2017 Fiscal Year (T2229)	91	02-Aug-16 A	16-Jan-17	i i i i i i i i i i i i i i i i i i i
CT30200	Dig & Replace Contractor Procurement - 2017/2018 Fiscal Year	180	30-Mar-17*	25-Sep-17	Dig & Replace Contractor Procurement - 2017/2018 Fiscal Year.
Construction	D: 0.D. 0. (1.D.(0) 1.5.) 004510040.5. 1.V.	3330	19-Oct-15 A	29-Nov-24	
CT38020	Dig & Replace Contract B (Construction) - 2015/2016 Fiscal Year	366	19-Oct-15 A	18-Oct-16 A	Dig & Replace Contract B (Goristiuction) - 2015/2016 Fiscal fear
CT30070	Dig & Replace Contract A (Construction) - 2015/2016 Fiscal Year	366	26-Oct-15 A	25-Oct-16 A	Dip & Replace; Contract A (Construction) - 2015/2016 riscal fear; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
CT38030	Dig & Replace Contract C (Construction) - 2015/2016 Fiscal Year	365	18-Jan-16 A	16-Jan-17	Dig & Replace Contract C (Construction) - 2016/2016 Fiscal Year
CT30160	Dig & Replace Contract Countywide (Construction) - 2016/2017 Fiscal Year (T2229)	365	17-Jan-17*	16-Jan-18	Dig & Replace Contract Countywide (Construction) - 2016/2017 Fiscal feat (12229)
CT30250	Dig & Replace Contract (Construction) - 2017/2018 Fiscal Year	365	01-Dec-17*	30-Nov-18	Dig & Replace Contract (Constituction) - 201/7/2018 Fiscal Year
CT50160	Dig & Replace Contract (Construction) - 2018/2019 Fiscal Year	365	01-Dec-18*	30-Nov-19	Dig & Replace Contract (Construction) - 2018/2019 Fiscal Year
CT50170	Dig & Replace Contract (Construction) - 2019/2020 Fiscal Year	366	01-Dec-19*	30-Nov-20	i) ig & Replace Contract (Construction) - 2019/2020 Fiscal Year
CT50180	Dig & Replace Contract (Construction) - 2020/2021 Fiscal Year	365	01-Dec-20*	30-Nov-21	Dig & Replace Contract (Constituction) - 2020/2021 Fisca
CT50190	Dig & Replace Contract (Construction) - 2021/2022 Fiscal Year	365	01-Dec-21*	30-Nov-22	Dig & Replace Contract (Constri
CT50200	Dig & Replace Contract (Construction) - 2022/2023 Fiscal Year	365	01-Dec-22*	30-Nov-23	
CT50210	Dig & Replace Contract (Construction) - 2023/2024 Fiscal Year	365	01-Dec-23*	29-Nov-24	
4.01 (1.2) - PMCI		1310	01-Mar-15 A	30-Sep-18	
Engineering Design		822	01-Mar-15 A	30-May-17	
CT30030	SSES Specifications & Scope to MDWASD - 2015/2016 Fiscal Year	10	01-Mar-15 A	10-Mar-15 A	IIS & \$cope to MiDyVASu -2015/2016 HSC at fear;
CT30110	SSES Specifications & Scope to MDWASD - 2016/2017 Fiscal Year (T2231)	74	06-Jun-16 A	18-Aug-16 A	35E3 specifications & Scope to Midwinds 22010/2017 inscall real (12231)
CT30190	SSES Specifications & Scope to MDWASD - 2017/2018 Fiscal Year	30	01-May-17*	30-May-17	
Procurement CT38040	SSES (CCTV) Procurement - 2015/2016 Fiscal Year	945 360	01-Mar-15 A 01-Mar-15 A	30-Sep-17 23-Feb-16 A	
CT30140	SSES Contractor Procurement - 2016/2017 Fiscal Year (T2231)	75	18-Aug-16 A	31-Jan-17	555 (CCTV) Produlerine in - 20/19/20 to risidal feet
CT30210	SSES Contractor Procurement - 2017/2018 Fiscal Year	123	31-May-17*	30-Sep-17	SSES Contractor Procurement - 2016/2017 Fiscal feat (12231)
Construction	SSES CONTRACTOR FIGURE FIGURE 12017/2010 FISCAL TEAL	931	14-Mar-16 A	30-Sep-17	SSES COLITIZACION, PTOCULIENTE
CT38050	SSES Construction (CCTV) - 2015/2016 Fiscal Year (T2101)	366	14-Mar-16 A	14-Mar-17	
CT30170	SSES Contract (Construction) - 2016/2017 Fiscal Year (T2231)	365	01-Feb-17*	31-Jan-18	SSES Construction (CC) V) - 2015/2016 Fiscal Year (12/101)
CT30260	SSES Contract (Construction) - 2017/2018 Fiscal Year	365	01-Oct-17*	30-Sep-18	38E3 CONITACT (CONSTRUCTION) - 2010/2017 FISCAI TOAI (12231)
	rogram I/I Repairs		01-Oct-13 A	31-Dec-16 A	See Contract (Construction) - 2017/2016 riscat teat:
Construction		1188	01-Oct-13 A	31-Dec-16 A	
CT22790	Construction - PSIP Program I/I Repair (MDWASD.)	1188	01-Oct-13 A	31-Dec-16 A	
	SD CM Team I/I Repairs	3742	01-Oct-13 A	29-Dec-23	Construction - Pole Program (MDW ASD.)
Construction		3742	01-Oct-13 A	29-Dec-23	
CT33301	Construction -MDWASD CM Team I/I Repair (MDWASD)	3742	01-Oct-13 A	29-Dec-23	,
4.01 (4) - WWCT	TLD WASD In-House I/I Repairs	3742	01-Oct-13 A	29-Dec-23	
Construction		3742	01-Oct-13 A	29-Dec-23	3 290
CT33302	Construction - WWCTLD WASD In-House I/I Repair (MDWASD)	3742	01-Oct-13 A	29-Dec-23	3
4.02 Governmer	nt Cut FM - Phase 1&2	730	01-Oct-11 A	30-Sep-13 A	
Construction		730	01-Oct-11 A	30-Sep-13 A	A I I I I I I I I I I I I I I I I I I I
CT71240	EPA Start Date for Construction - Government Cut FM Phase 1 & 2	0	01-Oct-12 A		
CT10010	Construction - Government Cut FM Phase 1 & 2	731	01-Oct-11 A	30-Sep-13 A	
CT10030	Substantial Completion (CD Compliance Date 9/30/13) - Government Cut FM Phase 1 & 2	0		30-Sep-13 A	A) - Government Cut FM Phase 1 & 2
CT50600	EPA Compliance Date for Construction - Government Cut FM Phase 1 & 2	0		30-Sep-13 A	A tut FM Phase 1.8 b
4.03 Governmen	nt Cut FM - Phase 3	1530	30-Jan-13 A	08-Apr-17	VILLULAR THAT I WAS A SECOND TO THE PROPERTY OF THE PROPERTY O
Engineering Design		357	30-Jan-13 A	22-Jan-14 A	
CT71250	EPA Start Date for Engineering Design - Government Cut FM Phase 3	0	30-Jan-13 A		
CT10000	Engineering Design (DCP) - Government Cut FM Phase 3	358	30-Jan-13 A	22-Jan-14 A	A M Phase 3
CT50610	EPA Compliance Date for Engineering Design - Government Cut FM Phase 3	0		22-Jan-14 A	
Procurement		798	28-Feb-13 A	07-May-15 A	FOOVERHINERIC CULTIVI FILIASE 3.
CT10170	Procurement - Government Cut FM Phase 3	329	28-Feb-13 A	22-Jan-14 A	
CT71260	EPA Start Date for Procurement - Government Cut FM Phase 3	0	08-May-14 A		Iment Cut FM Phase 3
CTEOGOO	EPA Compliance Date for Procurement - Government Cut FM Phase 3	0		07-May-15 A	
CT50620					

CT71280 CT50930 CT71270 CT10020 CT22250	Activity Name EPA Start Date for Permitting - Government Cut FM Phase 3	Original Duration	Start		2016 Q1 Q2 Q3 Q4	2017 Q1 Q2 Q3		018	01 0	2 03	04 01	2020	0 1 04 1	202		104	2022	104		2023	$\overline{}$
CT50930 CT71270 CT10020	•						Q4 Q1 Q2	Q3 Q4	Q I	(2 (3)	Q4 Q1	1 Q2 C	3 Q4 C	Q1 Q2	Q3 Q4	Q1	Q2 Q3	Q4	Q1 C	2 Q3	Q4
CT71270 CT10020		0	14-Jul-14 A		emment Cut FM Phase	3															
CT10020	EPA Compliance Date for Permitting - Government Cut FM Phase 3**	0		10-Dec-14 A	r Permitting - Governme	1 1	(*														
	EPA Start Date for Construction - Government Cut FM Phase 3	0	08-May-15 A		for Construction - Gove	nment Cut FM Pha	se 3		į												
CT22250	Permitting - Government Cut FM Phase 3	444	02-May-14 A	19-Jul-15 A	- Government Cut FM I																
	Final Design (Design-Builder) - Government Cut FM Phase 3	589	23-Jan-14 A	03-Sep-15 A	lesign (Design-Builder)	- Government Cut F	M Phase 3														
CT10250	Construction - Government Cut FM Phase 3	900	23-May-14 A	23-Nov-16 A			ion - Government	Cut FM Phase	3												
CT10360	Substantial Completion (CD Compliance Date 4/08/17) - Government Cut FM Phase 3	0		23-Nov-16 A		Substantial Compl	etion (CD Compli	ance Date 4/08	3/17) - Go	overnment (Cut FM PI	hase 3									
CT40380	Project Closeout - Government Cut FM Phase 3	90	24-Nov-16 A	21-Feb-17*	1 1 1 1	Project Close	i i i	1 1 1	i												
CT50630	EPA Compliance Date for Construction - Government Cut FM Phase 3	0		08-Apr-17*		1 1 1	pliance Date for (roject Administrat	1 1 1		ent.Cut.FM	Phase.3.					11					
Project Administration		1468	30-Jan-13 A	21-Feb-17		21-Feb-17, P	roject Administrat	ion	- 1												
CT38440	WASD Project Administration - Government Cut FM Phase 3	1468	30-Jan-13 A	21-Feb-17	1 1	. WASD Proje	ct Administration 05-N	Government C	Cut FM P	hase 3		w				11					ļļ
4.04 North Dade 72	2 inch PCCP FM Rehabilitation	1758	13-May-13 A	05-Mar-18			V 05-N	lar-18, 4.04 No	orth Dade	e 72 inch P	CCP¦FM	Rehabilitati	on			<u>1 1</u>		1 1			
Engineering Design		297	13-May-13 A	06-Mar-14 A																	
CT71290	EPA Start Date for Engineering Design - North Dade 72" PCCP FM Rehab	0	01-Oct-13 A		PCCP FM Rehab				- }												
CT10050	Engineering Design (DCP) - North Dade 72" PCCP FM Rehab	279	13-May-13 A	15-Feb-14 A	PCCP FM Rehab				į												
CT50640	EPA Compliance Date for Engineering Design - North Dade 72" PCCP FM Rehab	0		06-Mar-14 A	nn - North Dade 72" PC0 7-Nov-15 A Permitting	P FM Rehab			i	<u> </u>	i	<u>i i</u>	<u> j j</u>			<u>11</u>		<u> </u>			1
Permitting		419	04-Oct-14 A	27-Nov-15 A	7-Nov-15 A Permitting				į												
CT71300	EPA Start Date for Permitting - North Dade 72" PCCP FM Rehab	0	04-Oct-14 A		North Dade 72" PCCP	M Rehab			1												
CT50650	EPA Compliance Date forPermitting - North Dade 72" PCCP FM Rehab**	0		06-Mar-15 A	ate forPermitting - North	Dade 72" PCCP F	M Rehab**		- 1												
CT10150	Permitting - North Dade 72" PCCP FM Rehab	263	10-Mar-15 A	27-Nov-15 A	ermitting - North Dade		b									1 1					ļ
Procurement		761	03-Feb-14 A	05-Mar-16 A	05-Mar-16 A, Proc	1 1 1															[
CT10230	Procurement - North Dade 72" PCCP FM Rehab	395	03-Feb-14 A	04-Mar-15 A	Procurement - No	nh Dade 72" PCCP	FM Rehab														
CT71310	EPA Start Date for Procurement - North Dade 72" PCCP FM Rehab	0	07-Mar-15 A		Procurement - North Dad	de 72" PCCP FM Re	hab		į												
CT50660	EPA Compliance Date for Procurement - North Dade 72" PCCP FM Rehab	0		05-Mar-16 A	◆ EPA Compliance	Date for Procureme	nt - North Dade 7	PCCP FM R	ehab							1 1					
De sign-Buil d		1092	10-Mar-15 A	05-Mar-18			▼ 05-N	lar-18, Design-l	Build							1 1					
CT22240	Final Design (Design-Builder) - North Dade 72" PCCP FM Rehab	179	10-Mar-15 A	04-Sep-15 A	Design (Design-Builder)	North Dade 72" PC	CCP FM Rehab		1												
CT10310	Construction - North Dade 72" PCCP FM Rehab	219	30-Sep-15 A	05-May-16 A			Con	struction - North	h Dade 7	'2" PCCP F	M Rehab)									1
CT10410	Substantial Completion (CD Compliance Date 3/05/18) - North Dade 72" PCCP FM Rehab	0		05-May-16 A	◆ Substantial C	mpletion (CD Con	pliance Date 3/0	5/18) - North Da	ade 72" I	PCCP FM F	Rehab										
CT40390	Project Closeout - North Dade 72" PCCP FM Rehab	151	06-May-16 A	31-Dec-16 A		i i	t - North Dade 72'	1 1 1	i												
CT71320	EPA Start Date for Construction - North Dade 72" PCCP FM Rehab	0	09-Jul-17*			11 1	A Start Date for Co	1 1 1		72" PCCP	FM Reh	ab									
CT50670	EPA Compliance Date for Construction - North Dade 72" PCCP FM Rehab	0		05-Mar-18*	1	31-Dec-16 A, Pro	♦ FPA	Compliance D	ate for C	onstruction	n - North [Dade 72 P	CP FM Rel	hah							
Project Administration		1240	13-May-13 A	31-Dec-16 A		31-Dec-16 A, Pro	ject Administration	on								1					
CT38430	WASD Project Administration - North Dade 72" PCCP FM Rehab	1240	13-May-13 A	31-Dec-16 A		WASD Project A	dministration - No	nh Dade 72" P	CCP EM	l Rehab	İ				j	Jj.		. j j			li
4.05 South Dade 54	4 inch PCCP FM Rehabilitation	1891	05-Aug-14 A	08-Oct-19					1		08-Oct-1	19, 4.05 So	uth Dade 54	inch PCC	P FM Reha	bilitation					
Engineering Design		422	05-Aug-14 A	01-Oct-15 A	ct-15 A, Engine ering De	e <mark>s</mark> ign										77-					
CT71330	EPA Start Date for Engineering Design - South Dade 54" PCCP FM Rehab**	0	05-Aug-14 A		sign - South Dade 54"	PCCP FM Rehab**			1												
CT50680	EPA Compliance Date for Engineering Design - South Dade 54" PCCP FM Rehab**	0		20-Feb-15 A	ate for Engineering Desi	1 1 1	" PCOP FM Reha	ıh**	- 1												
CT10060	Engineering Design - South Dade 54" PCCP FM Rehab	423	05-Aug-14 A	01-Oct-15 A	neering Design - South	Dade 54" PCCP FN	/I Rehab		1												
Permitting		447	14-Oct-15 A	02-Jan-17	1 1 1	02-Jan-17, Perm	itting									11					
CT71340	EPA Start Date for Permitting - South Dade 54" PCCP FM Rehab	0	04-Jan-16 A		EPA Start Date for Per	mitting:- South Dad	le 54" PCCP FM I	Rehab													
CT10160	Permitting - South Dade 54" PCCP FM Rehab	129	14-Oct-15 A	19-Feb-16 A	2.71 Start Batto 18.11 St		th Dade 54" PCCI		į		1				1	1 1					1
CT50690	EPA Compliance Date for Permitting - South Dade 54" PCCP FM Rehab	0		02-Jan-17*	Т	EPA Complianc	Date for Permitt	ng - South Dad	10 54* PC		hah!										
Procurement		634	07-Apr-15 A	15-Dec-16 A	1 1 1	◆ EPA Complianc 15-Dec-16 A, Proc	u rem ent	119 - 200111-200		551.111.140											
CT71350	EPA Start Date for Procurement - South Dade 54" PCCP FM Rehab	0	07-Apr-15 A		r Procurement - South	Dade 54" PCCP FM	Rehab		1												
CT10240	Procurement - South Dade 54" PCCP FM Rehab	116	03-Jun-16 A	26-Sep-16 A		Procurement - So		CP FM Rehab	İ												
CT50700	EPA Compliance Date for Procurement - South Dade 54" PCCP FM Rehab	0		15-Dec-16 A		FPA Compliance	: Date for Produren	ent - South Da	ade 54" l	PCCP FM: F	¦ Rehah										
Construction		393	26-Sep-16 A	27-Nov-17	V	EPA Compliance	27-Nov-17,	Construction													
CT71360	EPA Start Date for Construction - South Dade 54" PCCP FM Rehab	0			_	EPA Start Date fo	r Construction - S	outh Dade 54"	PCCP F	M Rehab											
CT10320	Construction - South Dade 54" PCCP FM Rehab	301	26-Sep-16 A	15-Aug-17				n - South Dade			nab ¦										1 1
CT10390	Substantial Completion (CD Compliance Date 11/27/17) - South Dade 54" PCCP FM Rehab	0		15-Aug-17*		• 5	: Substantial Comp	etion (CD Com	npliance	Date 11/27	7/17) - Soi	: uth Dade 54	" PCCP FM	Rehab						i	1 1
CT50710	EPA Compliance Date for Construction - South Dade 54" PCCP FM Rehab	0		27-Nov-17*			◆ EPA Comp 13-Nov-17,									<u> </u>					
4.05 (1) 48/54" FM fr	from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)	1197	05-Aug-14 A	13-Nov-17			13-Nov-17, 4	.05 (1) 48/54" F	FM from	SW 127 Av	/e/SW 28	0 St. to \$W	107 Ave/SV	V 248 St (P	hase 1)						
Engineering Design		422	05-Aug-14 A	01-Oct-15 A	ct-15 A, Engine ering De	e <mark>s</mark> ign															
CT12001	30% Design Submittal - 48/54 Inch FM (Phase 1)	208	05-Aug-14 A	28-Feb-15 A	ttal - 48/54 Inch FM (Ph	ase 1)			į												
CT22220	30% Submittal Review - 48/54 Inch FM (Phase 1)	137	02-Mar-15 A	16-Jul-15 A	nittal Review - 48/54 Inc	1.1															
CT22230	60% Design Submittal - 48/54 Inch FM (Phase 1)	14	11-Jul-15 A	24-Jul-15 A	gn Submittal - 48/54 In	i i i			į												1
CT22610	60% Design Review - 48/54 Inch FM (Phase 1)	19	25-Jul-15 A	12-Aug-15 A	sign Review - 48/54 Inc																
CT22570	90% Design Submittal - 48/54 Inch FM (Phase 1)	30	13-Aug-15 A	11-Sep-15 A	esign Submittal - 48/54	1 1															
CT38110	90% Submittal Review - 48/54 Inch FM (Phase 1)	18	14-Sep-15 A	01-Oct-15 A	1 ": : :	1 1 1	1)									j).				
Permitting		128	14-Oct-15 A	19-Feb-16 A	Submittal Review - 48/ 19-Feb-16 A, Perm	itting															
CT12021	Permitting - 48/54 Inch FM (Phase 1)	129	14-Oct-15 A	19-Feb-16 A	Permitting - 48/54	hch.FM (Phase 1)										<u> </u>					1
Procurement		380	21-Mar-16 A	04-Apr-17	Permitting - 48/54	04-Apr-17	Procurement									1 1					
CT30011	Submit/Approve SBD Goals and Request to Advertise - 48/54 Inch FM (Phase 1)	47	21-Mar-16 A	06-May-16 A	Submit/Appm	ve SBD Goals and	Request to Adver	ise - 48/54 Incl	h FM (Ph	ase 1)											
CT38060	Pre-Purchase Bid Package - 48/54 Inch FM (Phase 1)	39	25-Apr-16 A	02-Jun-16 A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	se Bid Package - 48	1 1 1	1 1 1		- T ''											
CT30001	Design Documents Sent to Procurement - 48/54 Inch FM (Phase 1)	0			1 1 1 1	cuments Sent to Pro	: : :	1 1 1	se 1)												1
CT38070	Advertise Pre-Purchase Package - 48/54 Inch FM (Phase 1)	0	03-Jun-16 A		1 1 1 1	re-Purchase Packag	1 1 1	1 1 1	~ 17												
CT30021	Advertise Bid Package - 48/54 Inch FM (Phase 1)		17-Jun-16 A		1 1 1 1	1 1 1	7 1 1	7 1 1			į				į					-	
CT30031	Bid Solicitation Period - 48/54 Inch FM (Phase 1)		17-Jun-16 A	26-Jul-16 A	1 ! ! !	Bid Package - 48/54 ditation Period - 48/	!!!!	1 1 1	1						1	1 1	1	1		-	1 1

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' ID	Activity Name	Original Duration	Start	Finish	Q1 Q2		01	2017 Q2 Q3	3 04		2018	104 0		1019 T 03 T 0	24 01	202	Q3 Q4	01	2021	104 (022	24 0	202		+
CT30041	Bids Due - 48/54 Inch FM (Phase 1)	0	27-Jul-16 A						-	-	(Z Q3	Q4 C	ri QZ	Q3 C	24 Q1	QZ	Q5 Q4	Q1	QZ QJ	Q4 (21 02	Q3 C	H Q1	QZ	Q0 Q4	+
CT38100	Vendor Bid & Award - 48/54 Inch FM (Phase 1)	56	03-Jun-16 A	28-Jul-16 A	1 1 1	♦ Bids Du		1 1	1	!!!	4)					1 1			į						į	
CT38080	VendorNTP - 48/54 Inch FM (Phase 1)	0		28-Jul-16 A	1 1	■ VendorE		: :		1 1	€ 1)														1	
CT30051	Bid Review Period - 48/54 Inch FM (Phase 1)	48	27-Jul-16 A	12-Sep-16 A	1 1 1	◆ VendorN		: :	1	: :			į			1 1			į	1 1					į	
CT30061	Award Recommendation - 48/54 Inch FM (Phase 1)	0	27 001 1071	12-Sep-16 A		Bid R		i i	i	i i	1															
CT12011	Procurement - 48/54 Inch FM (Phase 1)	116	03-Jun-16 A	26-Sep-16 A				mmendati	- 1	: :	1	1)	į			1 1			į	1 1						
CT30071	Final Approvals (BCC, Mayor, Risk Mgmt.) - 48/54 Inch FM (Phase 1)	14	13-Sep-16 A	26-Sep-16 A		Proc		1 1	1	! !																
CT30270	Pre-Purchase 54" Pipe & Valves - 48/54 Inch FM (Phase 1)	345	25-Apr-16 A	04-Apr-17		Fina		vals (BCC	i	i i	i	i i	i	i i		1 1										
CT38090	Fabricate & Deliver Pre-Purchased 54" Pipe & Fittings - 48/54 Inch FM (Phase 1)	250	29-Jul-16 A	04-Apr-17				Pre-Purc		1 1	!	1 1	1.7	1 1												
Construction	Tablicate & Deliver Fiet dichased 34 Fipe & Hittings * 40/34 Inch Five (Filase 1)	379	19-Oct-16 A	13-Nov-17		-	-	. Fabricat	te & Deli	ver Pre-Pu 3-Nov-17.	ırchased . Constru	l 54". Pipe. iction	& Fittings	s48/54.lr	nch;FM (Phase 1										
CT30081	Contractor Notice to Proceed (NTP) - 48/54 Inch FM (Phase 1)	0	19-Oct-16 A	13-1404-17				1 1			- 1		1													
CT12031	Construction - 48/54 Inch FM (Phase 1)	301	19-Oct-16 A	15-Aug-17		◆ Co	ontract	or Notice to	- 1	i i	i	i i	i		- 1					1			- 1		-	
CT12041	Substantial Completion Phase 1 (CD Compliance Date 11/27/17) - 48/54 Inch FM (Phase 1)	0	10 001 1071	15-Aug-17*				: :	1	: :	1	FM (Phas	f			1 1			į	1 1						
CT40400	Project Closeout - 48/54 Inch FM (Phase 1)	90	16-Aug-17	13-Nov-17*				•	i i	i i i	· i	i i '	i .	1 1	ite 11/27	/1;7) - 48/	54 Inch FM	(Phase 1	1)							
Project Administration	·	1193	05-Aug-14 A	13-Nov-17				ļ		roject Clo 3-Nov-17.	oseout . Proiect	48/54 Inch Administr	ւ FM .(Pha ation	ase_1)			· 	{ {		·{{		· { {		++		
CT38420	WASD Project Administration - 48/54 Inch FM (Phase 1)	1193	05-Aug-14 A	13-Nov-17					- 1	: :	- 1	1 1	i	1 1	_										1	
	place 2.5 Miles of 54" FM from SW280h S./112th Ave 248th St./107 Ave.	1891	05-Aug-14 A	08-Oct-19		i			у	VASD:Pro	ject Adn	ınıstratioi	1 - 48/54	JICH FIVL	Pnase 1 08-Oct-1	9, 4.05 (2	2) Rehab/Re	place 2	.5 Miles o	f 54" FM f	rom SW	280h S./11	2th Ave	248th S	t./107 Ave	; ;.
Engineering Design	The state of the s	1001	05-Aug-14 A	01-May-17			+	01-Ma	ıy-17, En	gineering	Design							 -								
CT40770	Engineering Design (Up to 60% Design) 2.5 Miles of 54" FM	354	05-Aug-14 A	24-Jul-15 A	na Dasi (In to cont	ha: ,						1													
CT12051	Engineering Design - Rehab/Replace 2.5 Miles of 54" FM	887	05-Aug-14 A	01-May-17	ing Design (U	υρ το φυ% D	esign	i i	i	i i			unid													
CT40780	Engineering Design (60% - 90%) 2.5 Miles of 54" FM	90	01-Feb-17*	01-May-17				Engine				1	1 -	11												
Permitting	0 0	180	02-May-17	28-Oct-17	l		-	Engine	eenna D	esign_(60% -Oct-1;7, P	% - 90% Permittin) 2.5 Miles g	ot 54". F	-IVI				 -								
CT12061	Permitting - Rehab/Replace 2.5 Miles of 54" FM	180	02-May-17	28-Oct-17				<u> </u>			Dalbah (f	010	- N:1	-6.5.411.50.4	- 1					1 1					- 1	-
Procurement		270	29-Oct-17	25-Jul-18	l		+		, PE	muung	Renadzi 2	kepiace z 5-Jul-18, T	roourem	of 54" FM. rent						·ii		† 				+
CT12071	Procurement - Rehab/Replace 2.5 Miles of 54" FM	270	29-Oct-17	25-Jul-18							<u> </u>	1	t Dobo	h/Danlage	O É MIL	o of E4	EN4									
Construction		440	26-Jul-18	08-Oct-19	· · · · · · · · · · · · · · · · · · ·		+	}			1	iocureriiei	IL-Rena	b/Replace	08-Oct-1	9, Const	ruction							7		7
CT12081	Construction (Phase 2) - Rehab/Replace 2.5 Miles of 54" FM	350	26-Jul-18	10-Jul-19								1 1	- 1	Const	ruction (; Phase 2\	- Rehab/Re	nlace 2	5 Miles o	f 54" FNI						
CT12091	Substantial Completion (Not Part of Consent Decree) - Rehab/Replace 2.5 Miles of 54" FM	0		10-Jul-19								1 1	i	1 1	! '	1 1	(Not Part o	f :		1 1	Perlace	2.5 Miles	of 54" F	-14		
CT40410	Project Closeout - Rehab/Replace 2.5 Miles of 54" FM	90	11-Jul-19	08-Oct-19*									-								Teplace	2.5 WIII65	3134 11	,vi		
Project Administration		1777	05-Aug-14 A	08-Oct-19	1 1							· · · · · ·			08-Oct-1	9, Projec	- Rehab/Re t Administr	ation	T INDEE O	1.04. 1.19.				1		Ť
CT38410	WASD Project Administration - Rehab/Replace 2.5 Miles of 54" FM	1777	05-Aug-14 A	08-Oct-19								<u> </u>			; WASD F	; Project Ar	lministratio	: n - Reha	h/Renlace	e 2 5 Mile	s of:54" /	i i			-	
06 Replacement	of Tamiami Canal Aerial Crossing FM's at NW 37 Ave	1420	11-Dec-12 A	29-Oct-16 A	1 1	29	9-Oct-1	6A,4.06	Replace	ment of Ta	amlami	Canal Aer	ial Cross	sing FM's a	at NW 3	7 Ave			a noprob	<u> </u>	7.02.0.2.2					Ť
Engineering Design		387	11-Dec-12 A	02-Jan-14 A	····													ļ <u>-</u>						7		†-
CT10040	Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	91	11-Dec-12 A	11-Mar-13 A	W 37 Ave Cro	ossing					Ì		į			1 1			į						į	
CT71370	EPA Start Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	0	01-Oct-13 A		ımi Canal/NV		meein																			
CT50720	EPA Compliance Date for Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-14 A	Replace Tam			"	naina		Ì		į			1 1			į	1 1					į	i
Permitting		661	12-Mar-13 A	02-Jan-15 A	CCDIaCE Jalij	lantication	O. 44 K I	L ME CIUS	331114							-11						1				Ť
CT10120	Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	61	12-Mar-13 A	11-May-13 A	miami Canal	I/NW 37 Av	ve Cros	sing								1 1	-								- 1	
CT71380	EPA Start Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-14 A		Canal/NW 3	7 Ave Cros	eina																			
CT50730	EPA Compliance Date for Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-15 A	1 1 1	i		hi Cahal/N		Va Crossi	ina														-	
Procurement		964	13-May-13 A	02-Jan-16 A	for Permitting 02-Jan-16 A	, Procurem	ient	110.0.01001		الموران والم	104															7
CT10200	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	144	13-May-13 A	03-Oct-13 A	Procurem er	nt - Replace	e Tami	ami Canal	/NW 37	Ave Cross	sinģ		-													
CT71390	EPA Start Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-15 A		urement - Rep	nlace Tamia	ami Ca	anal/NW 3	7 Åve Cr	nssina																
CT50740	EPA Compliance Date for Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	0		02-Jan-16 A	1 1 1			: :	- 1	7	ni Canal	/N/A/ 37 A	e Cross	ina												
Construction		1120	07-Oct-13 A	29-Oct-16 A	_EPA_Compl	29	9-Oct-1	6 A, Const	truction	a Jarojani	or spacieur		.c. 10033	1109		-11				11		1		7		7
CT10280	Construction - Replace Tamiami Canal/NW 37 Ave Crossing	233	07-Oct-13 A	27-May-14 A		C	onstru	ction - Rep	lace Tan	niami Car	nal/NW 3	37 Ave Cro	ssing												-	
CT10350	Substantial Completion (CD Compliance Date 10/29/2016) - Replace Tamiami Canal/NW 37 Ave Crossing	0		27-May-14 A	ce Date 10/2	9/2016) - R	Replace	Tamiami	Canal/N	W 37 Ave	Crossin	no	į			1 1			į	1 1					į	
CT71400	EPA Start Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing	0	03-Jan-16 A		EPA Start D	i		i i	i	i i	i	j j	sina													
CT50750	EPA Compliance Date for Construction - Replace Tamiami Canal/NW 37 Ave Crossing	0		29-Oct-16 A						: :		1 1		al/NW 37	Ave Cm	ssing			į							-
7 Replacement	of 18 inch DIP FM in Miami Lakes	1856	11-Mar-12 A	09-Apr-17	: :		3732001	npliance D 09-Apr-1	17, 4.07	Replacen	ment of 1	8 inch DI	PFMini	Miami Lak	es	doning		!								1
Engineering Design		788	11-Mar-12 A	08-May-14 A	lt-	!	†	[-					!	7		7	!			1	:			7		
CT71410	EPA Start Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0	01-Nov-13 A		DIP FM in Mi	iami lakos							1													
CT10090	Engineering Design - Replace 18" DIP FM in Miami Lakes	789	11-Mar-12 A	08-May-14 A	FM in Miami I		1						1													-
CT50760	EPA Compliance Date for Engineering Design - Replace 18" DIP FM in Miami Lakes	0		08-May-14 A	Design - Repl		₽ EV1 :-	n Miamila	i akee				-													
Permitting		269	09-Jun-14 A	05-Mar-15 A	itting	اللا ـ بيا ـ بيس	1 1 1 1 1 1 1 1	urioran'il re	o							7					:		1	77	!	
CT71420	EPA Start Date for Permitting - Replace 18" DIP FM in Miami Lakes	0	09-Jun-14 A		e 18" DIP FM	lin Mismi!	akee																			-
CT10140	Permitting - Replace 18" DIP FM in Miami Lakes	137	09-Jun-14 A	23-Oct-14 A	e 18" DIP FM								1								!					-
CT50770	EPA Compliance Date for Permitting - Replace 18" DIP FM in Miami Lakes	0		05-Mar-15 A			1	1 1	in Miam:	lakee			-													
Procurement	· · · · · · · · · · · · · · · · · · ·	497	24-Oct-14 A	04-Mar-16 A	ate for Permi 04-Mar-	-16 A, Proci	uremer	jt :	ווושוואווו	Lan Că						7				11			1	11111		
CT71430	EPA Start Date for Procurement - Replace 18" DIP FM in Miami Lakes	0	06-Mar-15 A		Procurement -	- Replace 1	םוח "18	FM in Mia	i amilaka	9																i
CT10220	Procurement - Replace 18" DIP FM in Miami Lakes	221	24-Oct-14 A	01-Jun-15 A		- Replace i ement - Rep										1										-
CT50780	EPA Compliance Date for Procurement - Replace 18" DIP FM in Miami Lakes	0		04-Mar-16 A	1 1 1			i i	- 1	į į	" DID EM	in Miam:	Lakoo													
Construction		678	02-Jun-15 A	09-Apr-17	T EPA CO	ompliance I	wate 10	99-Apr-1	17; Cons	truction	- 지남 교회	ומזפוואר ניו	Lanes							-				1		-
CT10300	Construction - Replace 18" DIP FM in Miami Lakes	189	02-Jun-15 A	07-Dec-15 A	1 + +	- :		Constru	iction - F	eplace 18	8" DIP FI	M in Miam	i Lakes													
CT10370	Substantial Completion (CD Compliance Date 4/09/17) - Replace 18" DIP FM in Miami Lakes	0		07-Dec-15 A	Substantial C	`ompletion	CD C	: :	- 1	1 1	1	1 1	1	1 1												
CT71440	EPA Start Date for Construction - Replace 18" DIP FM in Miami Lakes	0	05-Mar-16 A		◆ EPA Sta	11	1	1 1		1 1	1	1 1	ппинап	Lakes												
	Project Closeout - Replace 18" DIP FM in Miami Lakes	220	08-Dec-15 A	14-Jul-16 A	▼ EPA Sta	art Date for Project C		1 1	1	i i	1	1 1	į		į				į	1 1	į		į		į	
CT40420						PIDIACT ('										1 1		1 1					1	1 1	1	

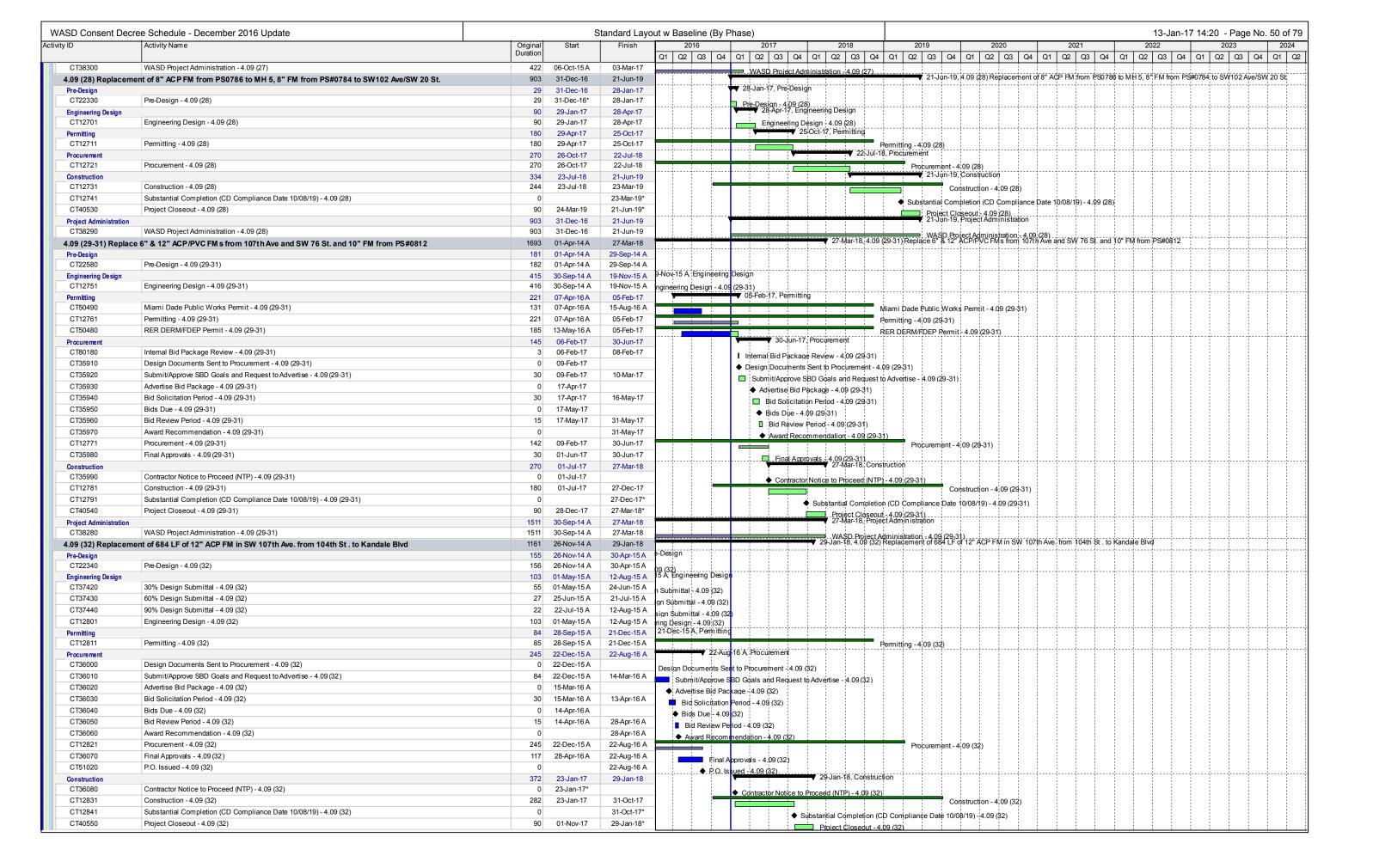
	ee Schedule - December 2016 Update			Standard Layo			Phase	,														13-Ja	n-17			e No. 4	
tivity ID	Activity Name	Original Duration	Start	Finish		016 Q3 Q4	04	2017			2018			2019	04 04	2020		04 1	2021	104		022	04		2023		2024
Project Administration		1586	11-Mar-12 A	14-Jul-16 A	Q1 Q2	1 1		Q2 Q3 Dject Adminis		Q1 Q2	Q3	Q4 Q	Q1 Q2	2 Q3	Q4 Q1	Q2 (Q3 Q4	Q1 (Q2 Q3	Q4	Q1 Q2	Q3	Q4 (Q1 Q2	Q3	Q4	Q1 /
CT38400	WASD Project Administration - Replace 18" DIP FM in Miami Lakes	1587	11-Mar-12 A	14-Jul-16 A		1 1		í l	1 1	40" 5) FM																
4.08 Rehabilitation o	of 54 inch PCCP FM in the City	1372	06-Oct-14 A	08-Jul-18		- WASD P	to ject A	Administratio	on Repla	ace.18. L	→ 08-	Jn Miami L -Jul-18, 4.0	Lakes 08 Reh	nabilitation	of 54 inc	h PCCP F	M in the C	ity								}	
Engineering De sign		401	06-Oct-14 A	11-Nov-15 A	-Nov-15 A,	Engineering	Design	h	h																	}}	
CT71450	EPA Start Date for Engineering Design - Rehab 54" PCCP FM in the City**	0	06-Oct-14 A		n Design -	Rehab 54" P	OCP FI	Minthe City	**		i		į		i			1 1	į		i						
CT50800	EPA Compliance Date for Engineering Design - Rehab 54" PCCP FM in the City**	0		03-Apr-15 A	1 1	ngineering D		1 1	1 1	in the C	itv**																
CT10080	Engineering Design (DCP) - Rehab 54" PCCP FM in the City	245	12-Mar-15 A	11-Nov-15 A	ngineering	Design (DCP	P) - Reh				, i i																
Permitting		269	04-Apr-15 A	29-Dec-15 A		5A, Permittin																					
CT71460	EPA Start Date for Permitting - Rehab 54" PCCP FM in the City**	0	04-Apr-15 A		r Permittin	g - Rehab 54'	" PCCP	FM in the C	itv**												- 1						
CT10130	Permitting - Rehab 54" PCCP FM in the City	12	11-Jul-15 A	22-Jul-15 A		g - Rehab 54'																					
CT50820	EPA Compliance Date for Permitting - Rehab 54" PCCP FM in the City	0		29-Dec-15 A	EPA Com	pliance Date	e for Per	: mittina-Re	; hab 54" l	PCCP FM	√in the	Citv														l	
Procurement		571	06-Mar-15 A	26-Sep-16 A		26-5	Sep-16	A Procurer	ent																		
CT71470	EPA Start Date for Procurement - Rehab 54" PCCP FM in the City**	0	06-Mar-15 A		rocure mer	nt - Rehab 54	PCCF	: PFMin∖the 0	City**		į		į														
CT50810	EPA Compliance Date for Procurement - Rehab 54" PCCP FM in the City**	0		08-Jul-16 A				e Date for Pi				PCCP FM i	in the C	City**													
CT10210	Procurement - Rehab 54" PCCP FM in the City	248	23-Jan-16 A	26-Sep-16 A		Prod		nt - Rehab s			ne City	.ļļ						ļ								ļļ.	
Construction		202	20-Sep-16 A	09-Apr-17	_			▼ 09-Apr-17	Constr	uction	į		į								į						i
CT71480	EPA Start Date for Construction - Rehab 54" PCCP FM in the City**	0	20-Sep-16 A		-	♦ EPA	Start D	ate for Cons						/**													
CT10290	Construction - Rehab 54" PCCP FM in the City	195	27-Sep-16 A	09-Apr-17	-		-	Construc	1 1			1 1	,														
CT50830	EPA Compliance Date for Construction - Rehab 54" PCCP FM in the City	0	07.0-1444	09-Apr-17*		<u>i</u>		EPA Com	pliance	Date for (Constru	ction - Rel	hab 5.4	" PCCP EN	lin.the Ci	itv		ļ <u></u>			.	. -				ļļ.	
_ ` '	es of 54 Inch PCCP FM (Consent Decree)	986	27-Oct-14 A	08-Jul-17	esian									. GOF FIWI (ļ <u></u>				·				ļļ.	
Pre-Design CT22070	Pre-Design - Rehab 2 Miles of 54" PCCP FM in the City	135 136	27-Oct-14 A 27-Oct-14 A	11-Mar-15 A 11-Mar-15 A							-		- 1														
Engineering Design	PIE-DESIGN - Renab 2 Miles of 34 POOF FM III the City	372	12-Mar-15 A	18-Mar-16 A	b.2.Miles.o	of 54" PCCP F Mar-16 A, Eng	FM in th	ne City	ļ									ii									
CT22060	Basis of Design Report (BODR) - Rehab 2 Miles of 54" PCCP FM in the City	121	12-Mar-15 A	10-Mai-10 A	- 1	1 1 1		i i	L		1		- 1														
CT22620	BODR Design Review - Rehab 2 Miles of 54" PCCP FM in the City	12		22-Jul-15 A		ort (BODR) - F		! !	! !	!	e City																
CT38120	As-Built Design Submittal - Rehab 2 Miles of 54" PCCP FM in the City	42	01-Oct-15 A	11-Nov-15 A		w - Rehab 2		1 1 1 1	i i																		
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	1 :	ign Submitta		1 1	1 1	- 1	i	7 1		1													
CT22100	Develop Performance Specifications - Rehab 2 Miles of 54" PCCP FM in the City	170		18-Mar-16 A		Scope & Fee		. F	F !	!	1	1 1		1 7 1				1 1									
Permitting	,	11	11-Jul-15 A	22-Jul-15 A	A, Permitti	elop Perform ing	ance.S	pecitication	s Renat	a 2 Miles.	ot 54".	PCCP.FM.	Jn.the (City													
CT22110	Permitting - Rehab 2 Miles of 54" PCCP FM in the City	12		22-Jul-15 A	Dahah 3	Miles of E4"	' DOOD		4				-														
Procurement	· · · · · · · · · · · · · · · · · · ·	257	23-Jan-16 A	26-Sep-16 A	- Renab.2	2 Miles of 54" 26-5	Sep-16	A Procurer	ily ient			·						ii				· † †-				:::	
CT33021	Submit/Approve SBD Goals - Rehab 2 Miles of 54" PCCP FM in the City	21	23-Jan-16 A	12-Feb-16 A	Submi	it/Approve SB	RD Goal	¦ ls - Rehah 2	Miles of	54" PCC	: :P FM ii	n the City															
CT33011	Design Documents Sent to Procurement - Rehab 2 Miles of 54" PCCP FM in the City	0	18-Apr-16 A		1 1	esign Docum		1 1	1 1	- 1	- 1	1 1 1	CP FM i	in the City													
CT33031	Advertise Bid Package - Rehab 2 Miles of 54" PCCP FM in the City	0	25-May-16 A			Advertise Bi		1 1	1 1			1 1		in the Oity													
CT33041	Bid Solicitation Period - Rehab 2 Miles of 54" PCCP FM in the City	43	25-May-16 A	06-Jul-16 A	1 1	Bid Solici		1 1	i i	i	- 7	1 1	1 1														
CT33051	Bids Due - Rehab 2 Miles of 54" PCCP FM in the City	0	07-Jul-16 A			Bids Due			1 1			0.00	J.,														
CT33061	Bid Review Period - Rehab 2 Miles of 54" PCCP FM in the City	44	07-Jul-16 A	19-Aug-16 A		1 1		eriod - Reha	1 1	· i	1	'i i	itv														
CT33071	Award Recommendation - Rehab 2 Miles of 54" PCCP FM in the City	0		19-Aug-16 A		1 1		mendation	1 1	- 1	- 1	1 1	1.1	itv													
CT50940	Bid Protest - Rehab 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A				t - Rehab 2 N	1 1			1 1															
CT22120	Contractor Bid & Award - Rehab 2 Miles of 54" PCCP FM in the City	171	18-Apr-16 A	26-Sep-16 A				Bid & Award			- 1	1 7	in the C	City													
CT33081	Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Miles of 54" PCCP FM in the City	12	24-Sep-16 A	26-Sep-16 A		1 1			1 1			0 0		1 1	/lin.the.C	itv		ll.								l	
Construction		285	27-Sep-16 A	08-Jul-17				vals (BC.C.)	Jul-17, C	onstructi	ion																
CT33091	Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 54" PCCP FM in the City	0	· · · · · · · · · · · · · · · · · · ·			♦ Cor	ntractor	Notice to Pi	oceed (N	ITP) - Rel	hab 2 N	liles of 54	" PCCF	FM in the	City												
CT22650	Construction - Rehab 2 Miles of 54" PCCP FM in the City	195	27-Sep-16 A	09-Apr-17	_			Construc	tion - Rel	hab 2 Mil	les of 5	4" PCCP F	FM in th	ne City													
CT10380	Substantial Completion (CD Compliance Date 4/09/17) - Rehab 2 Miles of 54" PCCP FM in the City	0		09-Apr-17*				Substant	ial Comp	letion (C	D Com	pliance Da	ate 4/09	9/17) - Reh	ab 2 Mile	s of 54" P	CCP FM ir	n the City	/								
CT40000	Project Closeout - Rehab 2 Miles of 54" PCCP FM in the City	90	10-Apr-17	08-Jul-17*				Pro	ect Clos	eout - Re	ehab 2	Miles of 54	4" PCC	P.FM.in the	e_Ciţy			ļļ								ļļ.	
Project Administration	WARD Desired Administration Debut O Miles of CAIL DOOD FM in the Oile.	850	12-Mar-15 A	08-Jul-17				1 1	: :	- 1	- 1	1 1		- 1													
CT38390	WASD Project Administration - Rehab 2 Miles of 54" PCCP FM in the City	850	12-Mar-15 A	08-Jul-17		.			SD Proje	ect Admir	nistratio	n Rehab	0.2 Mile	s_of 54"_PC Rehab/Repl	CCP FM in	n the City	Miles of	54" PCC	P FM (No	n-Consen	t Decree	d				}}·	
	ce an Additiona I 2 M iles of 54" PCCP FM (Non-Consent Decree)	1351	27-Oct-14 A 27-Oct-14 A	08-Jul-18 11-Mar-15 A	esign	· 		. .	ļļ.													<u>-</u>				} <u>}</u> -	
Pre-Design CT22660	Pre-Design - Rehab/Replace Additional 2 Miles of 54" PCC P FM in the City	135 136	27-Oct-14 A	11-Mar-15 A		1			L. I				- 1														
Engineering De sign	The Bookst Transaction and a state of the st	372		18-Mar-16 A	b/Replace 18-N	Additional 2.1 Mar-16 A, Eng	Miles o	of 54" PCCP. ng Design	EM in the	e City		·†			 												
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	-			i i	1 1	į		CD DM:-	the Cit		i				İ		į						i
CT22680	BODR Design Review - Rehab/Replace Additional 2 Miles of 54" PCC P FM in the City	12		22-Jul-15 A	- 1	ort (BODR) - F ew - Rehab/R		1 1	1 1			1 1		y													
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	1 !	1 1		!!!	1 1	!		1 1		4" DC CD F	M in the (
Permitting		21	01-Jul-15 A	22-Jul-15 A	A, Permitti	elop Perform ing	ance.s	pecification	s Renar	o/Replace	e Addii	ionai∠iviii.	ies or 5	4 PCCP F	in iui tue r	UIIV		ii								::	
CT22740	Permitting - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	22	01-Jul-15 A	22-Jul-15 A	I - Rehah/F	; Panlaca Addi:	fional 2	Miles of 54	 PCC P	FMin the	city																
Procurement		248	23-Jan-16 A	26-Sep-16 A	V	Replace Addi 26-	Sep-16	A Procuren	ent					[1	1		11		-1							
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	Submi	it/Approve SB	3D Goal	is and Requ	est to Ad	vertise - F	; Rehab/	Replace A	Addition	al 2 Miles	; of 54" PC	CP FM in	the City										
CT35190	Design Documents Sent to Procurement - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0	18-Apr-16 A		1 :	esign Docum		1 1	1 1	:		1 1		1 1		1 1	:										
CT35210	Advertise Bid Package - Rehab/Replace Additional 2 Miles of 54" PC CP FM in the City	0	25-May-16 A		i i	Advertise Bi		i i	i i	i	î.	i i	i	i i	i												- 1
CT35220	Bid Solicitation Period - Rehab/Replace Additional 2 Miles of 54" PCC P FM in the City	43	25-May-16 A	06-Jul-16 A		Bid Solic		: :	1 1	- 1		1 1		1 1	- 1												
CT35230	Bids Due - Rehab/Replace Additional 2 Miles of 54" PC CP FM in the City	0	07-Jul-16 A			Bids Due		1 1	1 1			1 1		1 1	ľ												j
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		1 1		eriod - Reha	i i	i	i	i i	- 1	- i	: City												
CT35250	Award Recommendation - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0		19-Aug-16 A		1 1		mendation	1 11	:		1 1		1 1	1	ity											
CT50950	Bid Protest - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	31	24-Aug-16 A	23-Sep-16 A		i i		t - Rehab/Re	i i	1	i	1 1	i i	i i	i	Ī											
	Contractor Bid & Award - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	162	18-Apr-16 A	26-Sep-16 A	1 :	1 1		1 1	1 1	- 1	- 1	1 1	- 1	1 1		Siby !			1	1 1	- 1	1 1	- 1	- 1	-		- ;
CT22750	Contractor Bid & Award - Renab Replace Additional 2 Willes of 54 PCCP FW III the City	102				Cor	ntractor	Bid & Award	¦-Rehah	vk epiace	e Additio	anal 2 Mile	es of 54	4" PCCP:FI	vi in me c	JILY 1			1	1 1	1	1 1	1	1			- 1

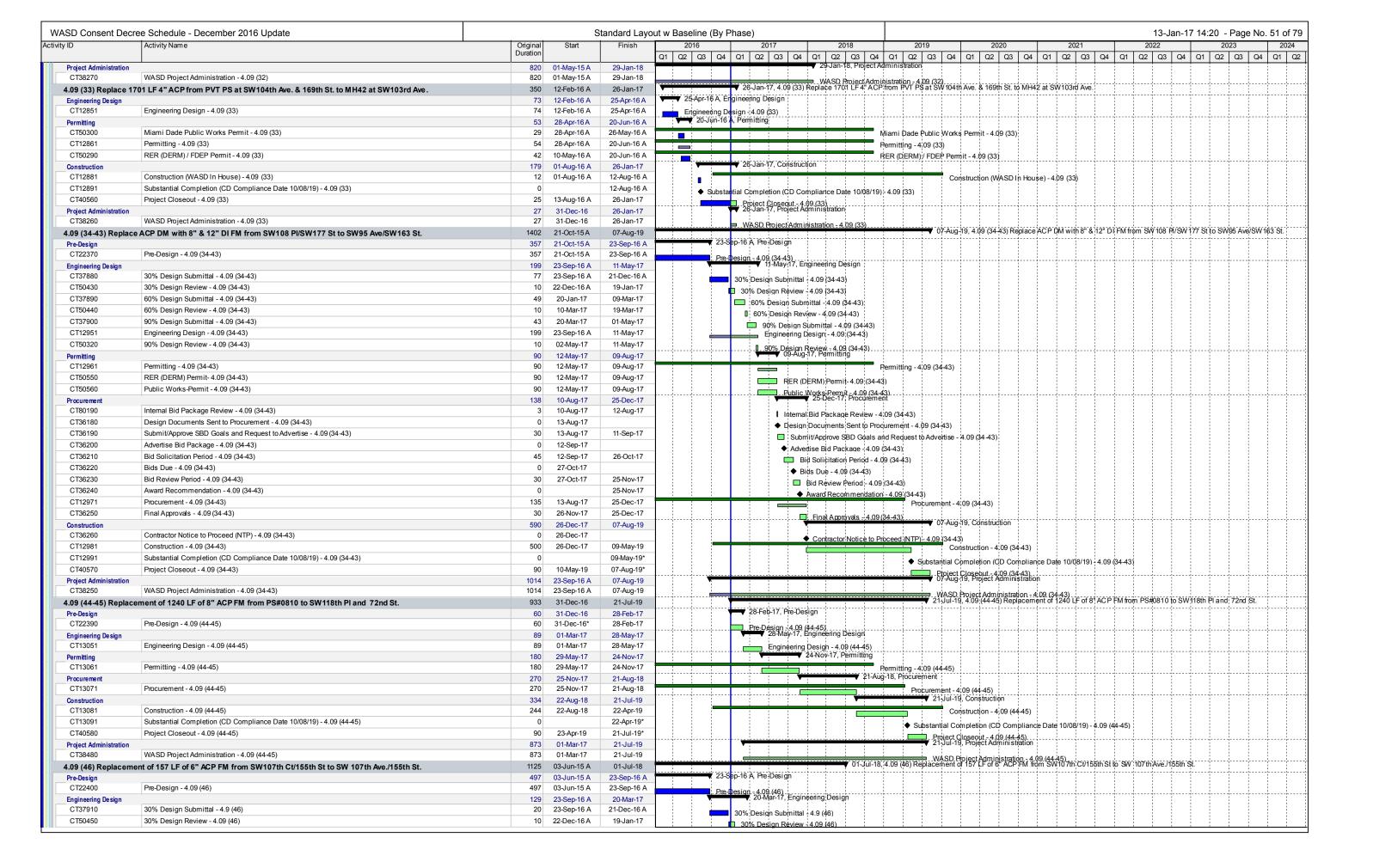
WASD Consent Dec	cree Schedule - December 2016 Update		5	Standard Lay	vout w Baseline (By Phase) 13-Jan-17 14:20 - Page No. 46 of 79
Activity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024
Construction			07 Can 16 A	08-Jul-18	Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
Construction CT35270	Contractor Notice to Proceed (NTP) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	050	27-Sep-16 A 27-Sep-16 A	08-Jul-18	
CT22760	Construction Phase 2 - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	365	10-Apr-17	09-Apr-18	◆ Contractor Notice to Proceed (NTP):- Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
CT22770	Substantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	0		09-Apr-18*	Construction Phase 2 - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
CT40430	Project Closeout - Rehab/Replace Additional 2 Miles of 54" PC CP FM in the City	90	10-Apr-18	08-Jul-18*	◆ Substantial Completion (Non Consent Decree) - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City
Project Administration	·	1215	12-Mar-15 A	08-Jul-18	Project Closeout - Rehab/Replace Additional 2 Miles of 54" PC CP FM. in the City.
CT38380	WASD Project Administration - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City	1215	12-Mar-15 A	08-Jul-18	WASD Prince Administration Professional Additional 2 Miles of Edit DOCR EM in the City.
4.09 Replace Appr	roximately 30 miles of AC FM Transmission System	2616	28-Aug-12 A	26-Oct-19	WASD Project Administration - Rehab/Replace Additional 2 Miles of 54" PCCP FM in the City. ✓ 26-Oct-19, 4.09 Replace Approximately, 30 miles of AC FM Transmission System
Engineering Design		1886	28-Aug-12 A	22-Sep-17	22-Sep-17 Engineering Design
CT71490	EPA Start Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0	01-Nov-13 A		miles of AC FM Trans System**
CT50840	EPA Compliance Date for Engineering Design - Replace ~30 miles of AC FM Trans System**	0		09-Oct-14 A	gineeting Design - Replace ~30 miles of AC FM Trans System**
CT10110	Engineering Design - Replace ~30 miles of AC FM Trans System	1886	28-Aug-12 A	22-Sep-17	Engineering Design - Replace ~30 miles of AC FM Trans System
Permitting		1926	05-Aug-13 A	12-Nov-18	✓ 12-Nov-16, Permitting
CT71500	EPA Start Date for Permitting - Replace ~30 miles of AC FM Trans System**	0	10-Oct-14 A		- Replace ~30 miles of AC FM Trans System**
CT10190	Permitting - Replace ~30 miles of AC FM Trans System	1634	05-Aug-13 A	23-Feb-18	Permitting - Replace ~30 miles of AC FM Trans System
CT50850	EPA Compliance Date for Permitting - Replace ~30 miles of AC FM Trans System	0		12-Nov-18*	◆ EPA Compliance Date for Permitting Replace 20 miles of AC EM Trans System
Procurement		1943	16-Dec-13 A	11-Apr-19	◆ EPA Campliance Date for Permitting - Replace ~30 miles of AC FM. Trans. System. 11-Apr-19; Procurement
CT71510	EPA Start Date for Procurement - Replace ~30 miles of AC FM Trans System**	0	10-Oct-15 A		Start Date for Procurement - Replace ~30 miles of AC FM Trans System**
CT10270	Procurement - Replace ~30 miles of AC FM Trans System	1709	16-Dec-13 A	20-Nov-18	Procurement - Replace ~30 miles of AC FM Trans System
CT50860	EPA Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System	0		11-Apr-19*	
Construction		2004	14-Apr-14 A	08-Oct-19	▶ EPA Compliance Date for Procurement - Replace ~30 miles of AC FM Trans System 08-Oct-19, Construction
CT71520	EPA Start Date for Construction - Replace ~30 miles of AC FM Trans System	0	09-Oct-16 A		♦ EPA Start Date for Construction - Replace ~30 miles of AC FM Trans System
CT10340	Construction - Replace ~30 miles of AC FM Trans System	1890	14-Apr-14 A	28-Jul-19	Construction - Replace ~30 miles of AC FM Trans System
CT10420	Substantial Completion (CD Compliance Date 10/08/19) - Replace ~30 miles of AC FM Trans System	0		28-Jul-19*	◆ Substantial Completion (CD Compliance Date 10/08/19) - Replace ~30 miles of AC FM Trans System
CT50880	EPA Compliance Date for Construction - Replace ~30 miles of AC FM Trans System	0		08-Oct-19*	
4.09 (1) Replaceme	ent of 2,673 LF of 10" ACP FM - SW 112th Ave. from 112th to 10 4th St.	962	31-Dec-16	19-Aug-19	Date for Construction - Replace ~30 miles of AC FM Trans System. ▼ 19-Aug-19, 4.09 (1) Replacement of 2,673 LF of 10° ACP FM - SW 112th Ave. from 112h to 104h St.
Pre-Design		29	31-Dec-16	28-Jan-17	▼▼ 28-Jan-17, Pre-Design
CT22260	Pre-Design - 4.09 (1)	29	31-Dec-16*	28-Jan-17	Pre-Design - 4/09 (1)
Engineering De sign		119	29-Jan-17	27-May-17	Pre-Design - 4(09 (1). 27-May-17, Engineering Design
CT12101	Engineering Design - 4.09 (1)	119	29-Jan-17	27-May-17	Engineering Design - 4.09 (1)
Permitting		180	28-May-17	23-Nov-17	23-Noy-17, Permitting
CT12111	Permitting - 4.09 (1)	180	28-May-17	23-Nov-17	Femitting -4/09 (1)
Procurement		270	24-Nov-17	20-Aug-18	20-Aug-18, Procurement
CT12121	Procurement - 4.09 (1)	270	24-Nov-17	20-Aug-18	Procurement - 4/09 (1)
Construction		364	21-Aug-18	19-Aug-19	▼ 19-Aug-19, Construction
CT12131	Construction - 4.09 (1)	274	21-Aug-18	21-May-19	Construction - 4:09 (1)
CT12141	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (1)	0		21-May-19*	Substantial Completion (CD Compliance Date 10/08/19)-4.09 (1)
CT40440	Project Closeout - 4.09 (1)	90	22-May-19	19-Aug-19*	Project Closeout - 4,09 (1) 19-Aug-19, Project Administration
Project Administration		933	29-Jan-17	19-Aug-19	▼ 19-Aug-19, Project Administration
CT38530	WASD Project Administration - 4.09 (1)	933	29-Jan-17	19-Aug-19	WASD Project Administration - 4.09 (1). 7 22-Jan-17, 4.09 (2) Replacement of 2.403 LF of 12" ACP FM - NE;14th Ave. from PS-0455 to Miami Gardens Dr.
	ent of 2,403 LF of 12" ACP FM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.	1118	24-Apr-14 A	22-Jan-17	
Engineering Design	Facinacina Design 4 00 (2)	440	24-Apr-14 A	08-Jul-15 A	
CT12151	Engineering Design - 4.09 (2)	441	24-Apr-14 A	08-Jul-15 A	<u></u>
Permitting CT12161	Permitting - 4.09 (2)	77 78	09-Jul-15 A 09-Jul-15 A	24-Sep-15 A 24-Sep-15 A	
	i Gilliang - 4.00 (2)			-	<u></u>
Procurement CT35010	Design Documents Sent to Procurement - 4.09 (2)	203	26-Oct-15 A 26-Oct-15 A	16-May-16 A	
CT35010	Submit/Approve SBD Goals and Request to Advertise - 4.09 (2)	14	26-Oct-15 A	08-Nov-15 A	sign Documents Sent to Procurement - 4.09 (2)
CT35020	Advertise Bid Package - 4.09 (2)	0	09-Nov-15 A	00-1404-10 A	inition/upprove 350 Goals and Request to Advenue - 4.09(2)
CT35040	Bid Solicitation Period - 4.09 (2)	36	09-Nov-15 A	14-Dec-15 A	lvertise Bid Package - 4.09 (2)
CT35050	Bids Due - 4.09 (2)	0	14-Dec-15 A	14-Dec-13 A	bia spiricitation Period - 4.09 (2)
CT35060	Bid Review Period - 4.09 (2)	33	14-Dec-15 A	15-lan 16 ^	Bids Due - 4.09 (2)
	, ,	33	14-D60-10 A	15-Jan-16 A	Bid Review Feliou - 4 U9 (2).
CT35070	Award Recommendation - 4.09 (2)	004	26 Oct 15 *	15-Jan-16 A	W Award Recommendation - 4,09 (2)
CT12171 CT35080	Procurement - 4.09 (2)	204	26-Oct-15 A	16-May-16 A	
	Final Approvals - 4.09 (2)	122	16-Jan-16 A	16-May-16 A	Final Approvals - 4.09(2). ✓ 22-Jan-17, Construction
Construction CT35090	Contractor Notice to Proceed (NTP) - 4.09 (2)	274	17-May-16 A 17-May-16 A	22-Jan-17	
CT12181	Construction -4.09 (2)	274		25-Oct-16 A	◆ Contractor Notice to Proceed (NTP) - 4,09 (2)
CT12181	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (2)	2/4	11-Iviay-10 A	25-Oct-16 A 25-Oct-16 A	
CT12191 CT40450	, , , , , , , , , , , , , , , , , , , ,	00	25 Oot 16 A	25-Oct-16 A 22-Jan-17*	▼ Squistantial Complication (CD Complicance Date 10/06/19)-14.09 (2)
L	Project Closeout - 4.09 (2)	90	25-Oct-16 A		Project Closeout - 4.09 (2) ✓ 22-Jan-17, Project Admin stration
Project Administration	WASD Project Administration - 4.09 (2)	1118	24-Apr-14 A	22-Jan-17 22-Jan-17	
CT38370	- I - I - I - I - I - I - I - I - I - I	1118	24-Apr-14 A		WASD Project Administration - 4.09 (2). 811 Replacement of FM from Pump Station #0356 to NW 183rd and 52nd Ave.
	T1811 Replacement of FM from Pump Station #0356 to NW 183rd and 52nd Ave.	713		11-Aug-14 A	
Engineering De sign	Engineering Design - 4 00 (3.5.8)	339		02-Aug-13 A	
CT12201	Engineering Design - 4.09 (3-5,8)	340	28-Aug-12 A	02-Aug-13 A	- - - - - - - - - -
Permitting	Pomitting 4 00 (2 5 0)	137		20-Dec-13 A	
CT12211	Permitting - 4.09 (3-5,8)	138	05-Aug-13 A	20-Dec-13 A	<u> </u>
Procurement	Procurement - 4.09 (3-5.8)	116	16-Dec-13 A 16-Dec-13 A	11-Apr-14 A	
CT12221		117	10-DEC-13 A	11-Apr-14 A	Procurement - 4:09 (3-5,8)

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CT12231	Construction - 4.09 (3-5,8)	120	14-Apr-14 A	11-Aug-14 A								i			Construc	tion - 4 0	9 (3-5,8)								
CT12241	Substantial Completion (CD Compliance Date 10/08/19) - 4.9 (3-5,8)	0		11-Aug-14 A	pliance	Date 10/0	/08/19) <u>4</u>	4.9 (3-5.8)																
roject Administration		713		11-Aug-14 A																					
CT38500	WASD Project Administration - 4.09 (3-5,8)	714	28-Aug-12 A	11-Aug-14 A	09.(3-5,8	8)	<u> </u>	<u>i</u>		V-1-2-00-	761 1 781-6-111			F3276 356	- 16b-66-7				2010-140821127						
/9 (6-7) Replace 3	25LF of 6" ACP FM from PS #0362 to NW52nd Ct. and 190th St. & 400LF 10" to 189th	1095	29-Aug-14 A	04-Jun-17			<u> </u>		▼ 04-Jun-	17, 4.09	(6+7) Repla	ice 325LF	OT 6" ACP	FIVI from PS	5 #U362 t	o N W52n	d Ct. and 190t	tn St. & 400	JLF 10" to 18	.etn ¦			4		
re-Design		209		26-Mar-15 A		į		i		į		į								į				1	
CT22270	Pre-Design - 4.09 (6-7)	210		26-Mar-15 A	(D-1.)	A Engine																	4		
ngineering Design	F : 1 D : 100/07)	220	27-Mar-15 A	02-Nov-15 A		1	1	1		1		į								į				1 7	
CT12251	Engineering Design - 4.09 (6-7)	221	27-Mar-15 A	02-Nov-15 A	9	ng Design 06-Apr-16																			
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CT12261	Permitting - 4.09 (6-7)	156	03-Nov-15 A	06-Apr-16 A			20.5	n 16 A B	Procureme	nt			Permitting	- 4.09 (6-7)											
rocurement	Design Desuments Contite Programment 4 00 (6.7)	168	15-Apr-16 A	29-Sep-16 A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		23-06	;p-10;A, F	Culcule			į													
CT35280	Design Documents Sent to Procurement - 4.09 (6-7)	0	15-Apr-16 A	00 1 40 4	→	Design D	D <mark>ocume</mark> n	nts Sent t	to Procurer	ment - 4.	09 (6-7)														
CT35290	Submit/Approve SBD Goals and Request to Advertise - 4.09 (6-7)	73	15-Apr-16 A	26-Jun-16 A	`_	Sub	omit/Appr	rove SBD	Goals and	d Reques	st to Adven	tise - 4.09	9 (6-7)												
CT35300	Advertise Bid Package - 4.09 (6-7)	0	27-Jun-16 A			◆ Adve	v∳rtise Bio	d Packac	ge - 4.09 (6	3-7)		1				1 1				1		- 1		- 1	
CT35310	Bid Solicitation Period - 4.09 (6-7)	30		26-Jul-16 A		Bi	id Solicita	tation Per	riod - 4.09	(6-7)															
CT35320	Bids Due - 4.09 (6-7)	0	27-Jul-16 A		_	♦ Bi	ids Due -	- 4.09 (6-7	7)	į		į								į				1 7	i
CT35330	Bid Review Period - 4.09 (6-7)	46	27-Jul-16 A	10-Sep-16 A			Bid Rev	viewPeri	iod - 4.09 (6-7)														- 1	
CT35340	Award Recommendation - 4.09 (6-7)	0		10-Sep-16 A		i		- 1	nendation	1	7)	i	<u>.l.</u>		į										1
CT12271	Procurement - 4.09 (6-7)	168	15-Apr-16 A	29-Sep-16 A	\					-		!		Procuremen	t - 4 09 (6	6-7)									
CT35350	Final Approvals - 4.09 (6-7)	19	11-Sep-16 A	29-Sep-16 A	\		Final A	; Appróvals	s - 4.09 (6-	7)		i										- 1			
CT51010	P.O. Issued -4.09 (6-7)	0		29-Sep-16 A	١							i												'	-
onstruction		140	16-Jan-17	04-Jun-17			V		.09 (6-7) ▼ 04-Jun-	17, Cons	truction										1				
CT35360	Contractor Notice to Proceed (NTP) - 4.09 (6-7)	0	16-Jan-17*			İ		Contrac	ctor Notice	to Proce	ed (NTP) -	4.09 (6-7	7)											- 1	-
CT12281	Construction - 4.09 (6-7)	50	16-Jan-17	06-Mar-17				- Contact	01001.pc	, 10 1 1000	,,,,,		1		Construc	tion - 4 0	9 (6-7)							- 1	
CT12291	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (6-7)	0		06-Mar-17*				— ; • Sub	etantial C	ompletio	n (CD Con	nnliance	Date 10/08	/19) - 4.09 (3.7)					i				1	
CT40460	Project Closeout - 4.09 (6-7)	90	07-Mar-17	04-Jun-17*				Ų ļOub					Late 10/00	13) - 4.03 (
roject Administration		885	27-Mar-15 A	04-Jun-17					▼ 04-Jun-	17, Proje	t - 4.09 (6-7 ct Adminis	stration											1	;;	Ť
CT38360	WASD Project Administration - 4.09 (6-7)	885	27-Mar-15 A	04-Jun-17		1	:		1 W/V 8D	Project Λ	dminietrati	ion 4 00	(6.7)												
)9 (9-13) Replacer	ment of 6, 8 and 12" ACP FM Between PS#0385, PS#0374 and NW 119th St./37th Ave.	1074	28-Aug-12 A	07-Aug-15 A	5 A, 4.09	9 (9-13) R	Replacem	nent of 6,	8 and 12"	ACP FM	Between I	PS#0385,	PS#0374	and NW 119	th \$t./37	th Ave.							1	;	7
ngineering Design		549	28-Aug-12 A	28-Feb-14 A			1		1 1							1						1	1 1		
CT12301	Engineering Design - 4.09 (9-13)	550	28-Aug-12 A	28-Feb-14 A	13)																				
ermitting		89	03-Mar-14 A	31-May-14 A			T			· · · · · · · · · · · · · · · · · · ·	- T			[[1	1							T		T
CT12311	Permitting - 4.09 (9-13)	90	03-Mar-14 A	31-May-14 A		1	1		1 1	-			Permitting	- 4.09 (9-13)										
rocurement		247	01-Jun-14 A	03-Feb-15 A	ment																				
CT12321	Procurement - 4.09 (9-13)	248	01-Jun-14 A	03-Feb-15 A			1							rocuremen	t - 4 09 (9	9-13)			jj.		. j j	İ	.ii.	İ	i.
onstruction		184	04-Feb-15 A	07-Aug-15 A	5 A, Con	nstruction	1			- 1															
CT12331	Construction - 4.09 (9-13)	185	04-Feb-15 A	07-Aug-15 A	\				1 1		1 1	i	1 1		Construc	tion - 4 0	9 (9-13)								
CT12341	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (9-13)	0		07-Aug-15 A		pletion_(C	CD Comp	pliance.D	ate 10/08/	19)4.09	9-13)												.11.		
roject Administration		1074	28-Aug-12 A	07-Aug-15 A	5 A, Proj	ject Admi	inistration	in												į				1	
CT38490	WASD Project Administration - 4.09 (9-13)	1075	28-Aug-12 A	07-Aug-15 A	' roject Ac	dministrat	tion - 4 0	19. 19. (9 <u>.</u> 13)																	
/9 (14-19) Replace	ement of 6, 8 & 10" ACP FM Around PS#0376, 0427, 0375, 0377 and 0368	1009	28-Aug-12 A	03-Jun-15 A	4.09 (14	1-19)Repla	lacement	t of 6, 8 8	\$ 10" ACP	FM Arour	nd PS#037	6, 0427, 0	0375, 0377	and 0368	İ					<u>j</u>	. <u> </u>	<u>j</u>	.jj.		. į.
ngineering Design		580	28-Aug-12 A	31-Mar-14 A								-													
CT12351	Engineering Design - 4.09 (14-19)	581	28-Aug-12 A	31-Mar-14 A			<u> </u>	<u>i</u>						ii		. <u> </u>									i.
ermitting		90	01-Apr-14 A	30-Jun-14 A		-			1 1	- 1	1 1	<u> </u>													
CT12361	Permitting - 4.09 (14-19)	91	01-Apr-14 A	30-Jun-14 A			ļ					<u> </u>	Permitting	- 4.09 (14-1	9)	. į į									
rocurement		229	01-Jul-14 A	15-Feb-15 A		1				- 1	1 1	!	<u> </u>												
CT12371	Procurement - 4.09 (14-19)	230	01-Jul-14 A	15-Feb-15 A		atrala						 		rocuremen	t - 4 09 (1	4-19)							4		
onstruction		106	17-Feb-15 A	03-Jun-15 A		iction					1 1		1 1												
CT12381	Construction - 4.09 (14-19)	107	17-Feb-15 A	03-Jun-15 A								i			Construc	tion - 4.0	9 (14-19)								
CT12391	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (14-19)	0		03-Jun-15 A	Torribreit	ion (CD C	Complian	ce Date.	10/08/19) -	4.09 (14	-19)					.									
roject Administration	WA OD Drainet Administration 4.00 (44.40)	1009		03-Jun-15 A	1 1	Administr	iation					į								į					i
CT38520	WASD Project Administration - 4.09 (14-19)	1010		03-Jun-15 A	t Admin	nistration -	- 4.09 (14	4-19)	04.7	Nija 17 7	00 00 31	Donlace	1671 E 9"	OD EM from	v. D¢#036	SE to NW	42ndPI/199thT	6r k 1703i	E 10' 30th	`+/100+6 S	٠ <u></u>				 - -
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re-Design	Pm Design 4.0 (20.24)	244	29-Aug-14 A	30-Apr-15 A								:													
CT20030	Pre-Design - 4.9 (20-21)	245		30-Apr-15 A	D-(ZUZI)) Engineeri	ing Desig	an -																	
ngineering Design CT31001	30% Design Submittal - 4.09 (20-21)	152 34	30-Apr-15 A 01-Maγ-15 Δ	29-Sep-15 A				a''	1 1			1													
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CT31011	60% Design Submittal - 4.09 (20-21)	28		01-Jul-15 A	II Subiiii	ittal - 4.09						1 1 1													-
CT31021	90% Design Submittal - 4.09 (20-21)	22	02-Jul-15 A	23-Jul-15 A	yn Subn	mittal - 4.0						!													
CT12401	Engineering Design - 4.09 (20-21)	152	·	29-Sep-15 A	3	Design - 4		21)								. 							4		
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CT12411	Permitting - 4.09 (20-21)	84	29-Sep-15 A	21-Dec-15 A		√ 09-Ju	ub-16 A 7	Procure	neht			-	Permitting	- 4 09 (20-2	1) ¦	· 				·					
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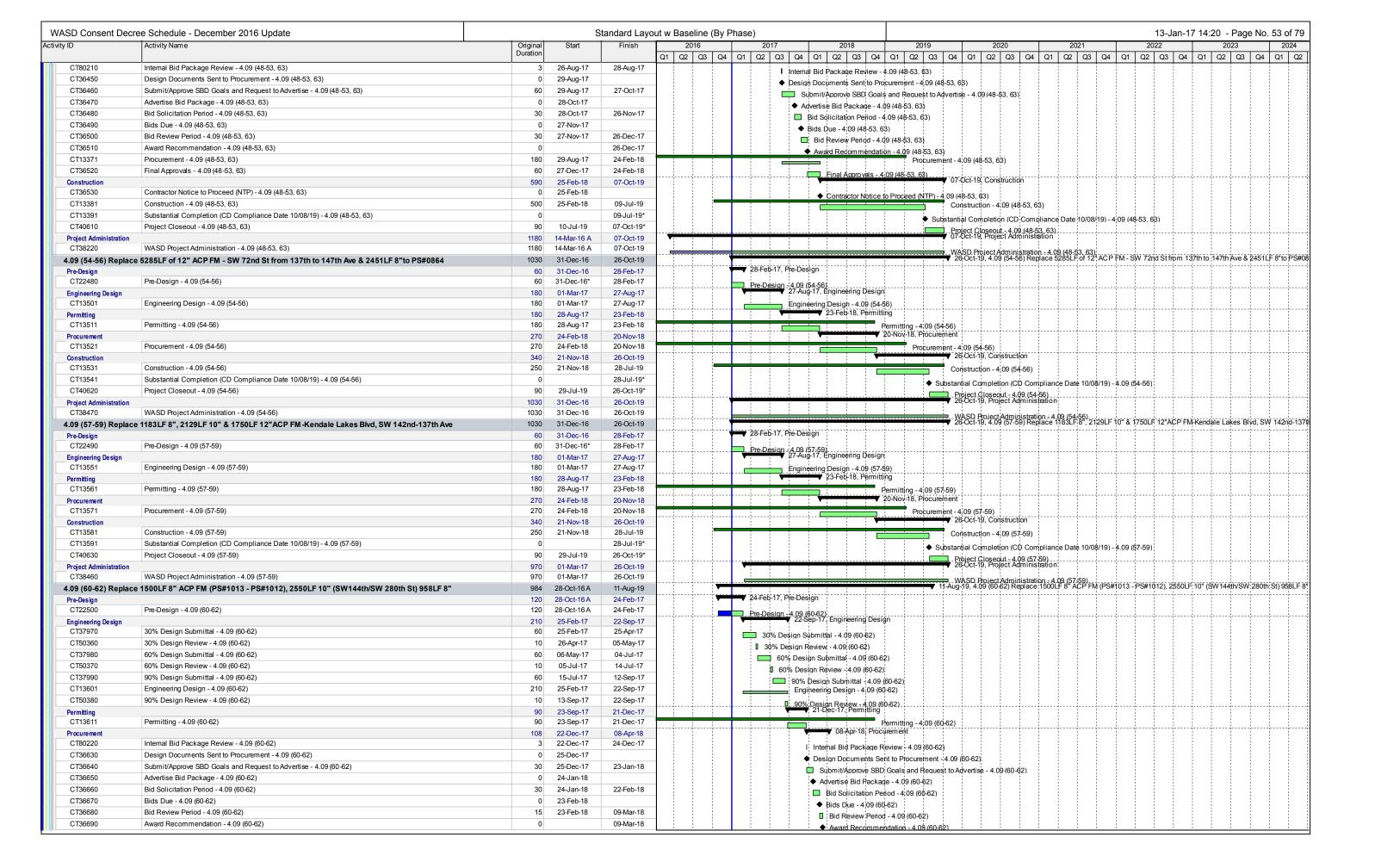
	Activity Name	Original	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023
		Duration			Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
T35410	Bids Due - 4.09 (20-21)	0			♦ Bids Due - 4.09 20-21)
T35420	Bid Review Period - 4.09 (20-21)	23	06-Apr-16 A	28-Apr-16 A	Bid Review Period - 4.09 (20-21)
T35430	Award Recommendation - 4.09 (20-21)	0		28-Apr-16 A	◆ Award Recommendation - 4.09 (20-21)
T12421	Procurement - 4.09 (20-21)	171	22-Dec-15 A	09-Jun-16 A	Proburement - 4,09 (20-21)
T35440	Final Approvals - 4.09 (20-21)	43	28-Apr-16 A	09-Jun-16 A	Final Approvals - 4.09 (20-21)
T50960	P.O. Issued -4.09 (20-21)	0		09-Jun-16 A	P.O. Issued -4.09 (20-21)
nstruction		345		01-Aug-17	▼ 01-Aug-17, Construction
T35450	Contractor Notice to Proceed (NTP) - 4.09 (20-21)	0	22-Aug-16 A		◆ Contractor Notice to Proceed (NTP) - 4.09 (20-21)
T12431	Construction - 4.09 (20-21)	275	22-Aug-16 A	03-May-17	Construction - 4:09 (20-21)
T12441	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (20-21)	0		03-May-17*	Substantial Completion (CD Compliance Date 10/08/19) -4.09 (20-21)
T40470	Project Closeout - 4.09 (20-21)	90	04-May-17	01-Aug-17*	Project Closeout - 4.09.(20-21). 01-Aug-17, Project Administration
oject Administration		844		01-Aug-17	▼ U1-Aug-17, Project Administration
T38350	WASD Project Administration - 4.09 (20-21)	844		01-Aug-17	WASD Project Administration - 4.09 (20-21). ▼ 30-May-17, 4.09 (22) Replacement of 2,013 LF of 6" AC P FM from PS#358 to PS#0352
. , .	ment of 2,013 LF of 6" ACP FM from PS#358 to PS#0352	1021		30-May-17	
e-Design	D. D	180	01-Nov-14 A	30-Apr-15 A	-Design - De
T22280	Pre-Design - 4.09 (22)	181		30-Apr-15 A	09 (22) A, Engineering Design
gineering Design	200/ Decim Culturittel 4.00 (22)	87 29	01-May-15 A	27-Jul-15 A	A, Liginecting Design
T37360	30% Design Submittal - 4.09 (22)			29-May-15 A	
T37370	60% Design Submittal - 4.09 (22)	26	01-Jun-15 A	26-Jun-15 A	h Submittal - 4.09 (22)
T37380	90% Design Submittal - 4.09 (22)	29		27-Jul-15 A	ign Submittal - 4.09 (22)
T12451	Engineering Design - 4.09 (22)	87		27-Jul-15 A	ng Design 4.09 (22) 18-Dec-15 A, Pemitting
rmitting	Permitting 4.09 (22)	126 127	14-Aug-15 A	18-Dec-15 A	
T12461	Permitting - 4.09 (22)		14-Aug-15 A	18-Dec-15 A	Permitting - 4/09 (22) 20-May-16 A, Procurement
T35460	Design Documents Sent to Procurement - 4.09 (22)	154	18-Dec-15 A 18-Dec-15 A	20-May-16 A	
T35470	Submit/Approve SBD Goals and Request to Advertise - 4.09 (22)	80	18-Dec-15 A	06-Mar-16 A	Design Documents Sent to Procurement - 4.09 (22)
T35480	Advertise Bid Package - 4.09 (22)	0	07-Mar-16 A	00-Wai-10 A	Submit/Approve StD Goals and Request to Advertise - 4.09 (22)
T35490	Bid Solicitation Period - 4.09 (22)	28		03-Apr-16 A	♦ Advertise Bid Package - 4.09 (22)
	. ,	0		03-Api-10 A	□ Bid Solicitation Period;-4.09;(22)
T35500 T35510	Bids Due - 4.09 (22)	7	04-Apr-16 A	10-Apr-16 A	♦ Bid\$ Due 4.09 22)
	Bid Review Period - 4.09 (22)	1	04-Apr-16 A	-	1 Bid; Review Penipd -4.09 (22)
T35520	Award Recommendation - 4.09 (22)	455	40 D 45 A	11-Apr-16 A	♦ Award Recommendation - 4;09 (22)
T12471	Procurement - 4.09 (22)	155	18-Dec-15 A	20-May-16 A	Procurement - 4;09 (22)
T35530	Final Approvals - 4.09 (22)	39	12-Apr-16 A	20-May-16 A	■ Final Approvals - 4.09 (22)
T50970	P.O. Issued -4.09 (22)	0	00.0.1.10.4	20-May-16 A	◆ P.O. Issued - 4.09 (22) 30-May-17, Construction
nstruction T35540	Contractor Notice to Proceed (NTP) - 4.09 (22)	229	03-Oct-16 A 03-Oct-16 A	30-May-17	4 V Somey II. Constitution
T12481	Construction - 4.09 (22)	229		01-Mar-17	◆ Contractor Notice to Proceed (NTP) - 4.09 (22)
T12401	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (22)	229	03-0CI-10 A	01-Mar-17*	Construction - 4/.09 (22)
T40480	Project Closeout - 4.09 (22)	90	02-Mar-17	30-May-17*	◆ Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (22)
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oject Administration T38340	WASD Project Administration - 4.09 (22)	840 840		30-May-17 30-May-17	
	nent of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St & 286LF Along 187 Ave.		03-Jun-15 A	26-Oct-18	WASD Project Administration - 4.09 (22) ✓ 26 Oct-18, 4.09 (23) Replacment of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St & 286 LF Along 187 Ave.
e-Design	ieni di 1037 Er di 6 ACF FINI II dili F3#1022 to 300 332110 St & 200EF Aldrig 107 Ave.	194		14-Dec-15 A	14-Dèc-15 A, Pre-Design
T22290	Pre-Design - 4.09 (23)	195	03-Jun-15 A	14-Dec-15 A	
gineering Design	110 20019.1 1100 (20)	226		27-Jul-16 A	Pre-Design - 4.09 (23). ✓ 27 Jul-16 A, Engineering Design
T35001	30% Design Submittal - 4.09 (23)	71		25-Feb-16 A	
T35011	60% Design Submittal - 4.09 (23)	30	25-Feb-16 A	25-Mar-16 A	30% Design Submittal - 4.09 (23)
T12501	Engineering Design - 4.09 (23)	137	14-Dec-15 A	28-Apr-16 A	□ 60% Design Submittal - 4.09 (23) □ □ Engineering Design - 4.09 (23)
T35021	90% Design Submittal - 4.09 (23)	34		28-Apr-16 A	
T50310	90% Design Review - 4.09 (23)	8	29-Apr-16 A	06-May-16 A	90% Design Submittal - 4,09 (23)
T50540	100% Design Submittal Permit Ready -4.09 (23)	82	07-May-16 A	27-Jul-16 A	90% Design Review - 4.09 (23)
rmitting		104	28-Jul-16 A	28-Oct-16 A	100%. Design Submittal Permit Ready. ±4.09 (23)
T50230	Public Works Permit - 4.09 (23)	104		27-Oct-16 A	Public Works' Permit - 4.09 (23)
T12511	Permitting - 4.09 (23)	104	28-Jul-16 A	28-Oct-16 A	Permitting - 4;09 (23)
T50220	RER DERM Pemit - 4.09 (23)	104		28-Oct-16 A	RER DERM Pemit - 4.09 (23)
ocurement	, ,	169	06-Jan-17	23-Jun-17	REIN DERWI Pellint 17.09 (23) 1 23-Jun-17, Procurement
T35550	Design Documents Sent to Procurement - 4.09 (23)	0	06-Jan-17*		Design Documents Sent to Procurement, 4 00/22
T35560	Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)	60	06-Jan-17	06-Mar-17	Design Documents Sent to Procurement; -4.09;(23) Submit/Approve SBD Goals and Request to Advertise - 4.09 (23)
T35570	Advertise Bid Package - 4.09 (23)	0	10-Apr-17		
T35580	Bid Solicitation Period - 4.09 (23)	30	10-Apr-17	09-May-17	Advertise:Bid Package - 4.09 (23) □ Pid Satistation Period - 4.09 (23)
T35590	Bids Due - 4.09 (23)	0	10-May-17	,	☐ Bid Solicitation Period - 4.09 (23)
T35600	Bid Review Period - 4.09 (23)	15		24-May-17	— Bids Dúe - 4.09 (23)
T35610	Award Recommendation - 4.09 (23)	0		24-May-17	Bid Review Period 4.09 (23)
T12521	Procurement - 4.09 (23)	169	06-Jan-17	23-Jun-17	Award Recommendation - 4.09 (23) Procurement - 4.09 (23)
T35620	Final Approvals - 4.09 (23)	30	25-May-17	23-Jun-17	
nstruction	· · · · · · · · · · · · · · · · · · ·	490	24-Jun-17	26-Oct-18	☐. Fina(Approvals:4.09.(23). ▼ 26-Oct-18, Construction
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T35630	Contractor Notice to Proceed (NTP) - 4.09 (23)	0			Contractor Notice to Proceed (NTP) - 4.09 (23)

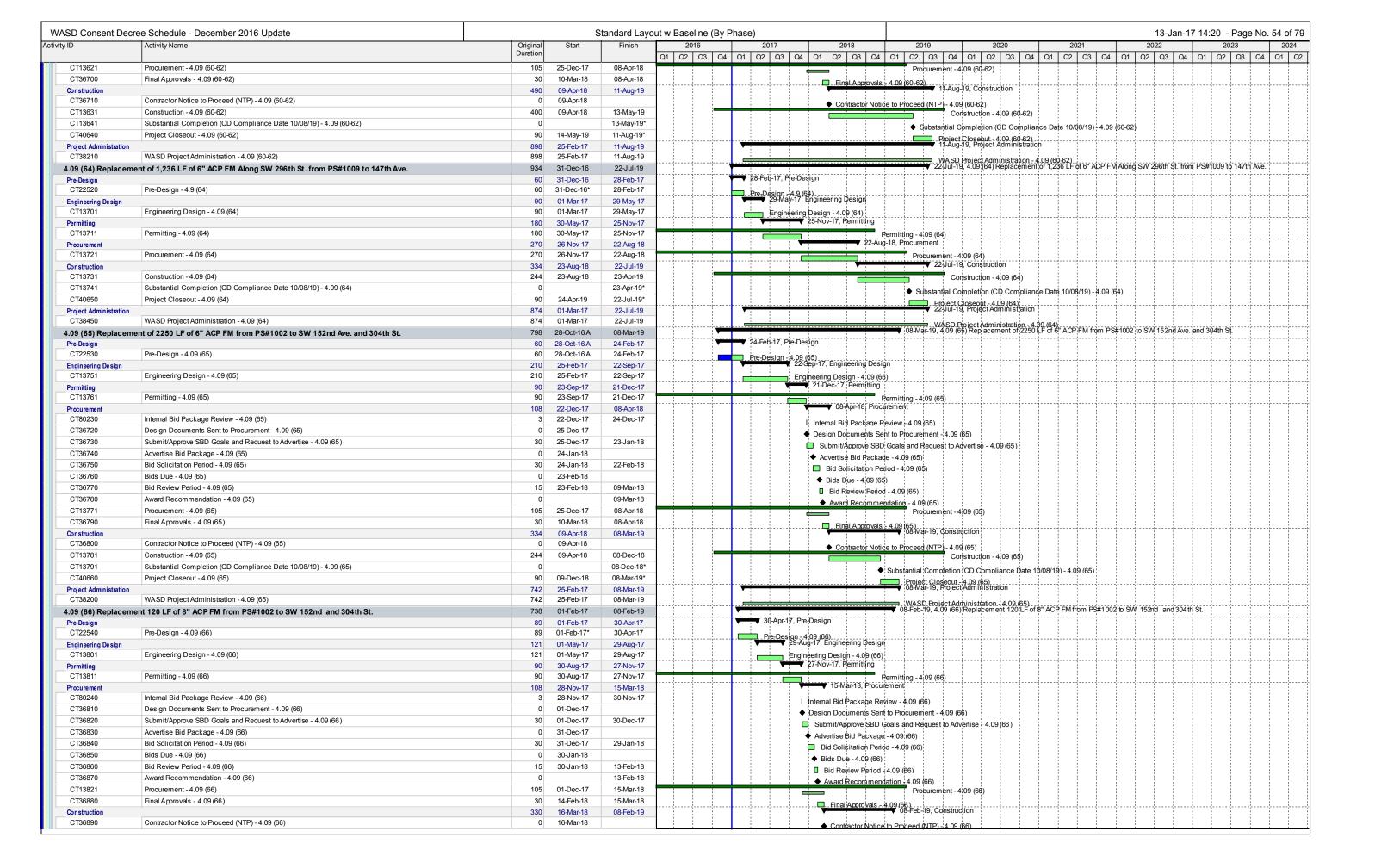
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		Duration			Q1 Q2	2 Q3 Q4	Q1 Q2	2 Q3	Q4 Q1 Q	Q2 Q3	Q4 Q1	Q2 Q3	Q4	Q1 Q2	Q3 Q4	Q1 Q2	Q3 Q4	Q1 Q2	Q3 Q4	Q1 Q2	Q3 (Q4
CT12541	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (23)	0		28-Jul-18*						♦ Sı	ubstantial C	Completion (C	CD Com	pliance Dat	te 10/08/19) - 4	1.09 (23)						
CT40490	Project Closeout - 4.09 (23)	90	29-Jul-18	26-Oct-18*							1 1	Closeout - 4. 18, Project A	1 1					<u> </u>		1		
oject Administration		923	17-Dec-15 A	26-Oct-18							26-Oct-	18, Project A	dministr	ration								
CT38330	WASD Project Administration -4.09 (23)	923	17-Dec-15 A	26-Oct-18	-	1 1		1 1			WASD	Project Admi	inistratio	n - 4 09 (2	3) PS#0353 to N\			ļ		1		
09 (24) Replaceme	ent of 840 LF of 8" ACP FM Along NW 49th Ct.from PS#0353 to NW 177th St.	952	01-Nov-14 A	24-Jan-17			24-Jar	n-17, 4.09 (24) Replacem	nent of 84	0 LF of 8" A	ACP FM Along	g NW 49	th Ct/from	PS#0353 to N\	N 177th St.	<u> </u>	<u> </u>		<u> </u>	_ii_	
re-Design		141	01-Nov-14 A	22-Mar-15 A	Design								1 1								-	- 1
CT22300	Pre-Design - 4.09 (24)	142	01-Nov-14 A	22-Mar-15 A	(24)		L								<u> </u>		<u> </u>	<u> </u>		<u> </u>		
ngineering Design		332	23-Mar-15 A	18-Feb-16 A	18-Fe	eb-16 A, Engin	eering Des	sign														-
CT12551	Engineering Design - 4.09 (24)	333	23-Mar-15 A	18-Feb-16 A	Engi	neering Desigr	- 4.09 (24	1)							<u> </u>		<u> </u>	<u> </u>		<u> </u>		
ermitting		41	19-Feb-16 A	31-Mar-16 A	31	I-Mar-16 A, Pei	mitting															
CT12561	Permitting - 4.09 (24)	42	19-Feb-16 A	31-Mar-16 A				1	1 1		Permi	tting -4,09 (2	24)		111		11]		11	1	
rocurement		84	07-Apr-16 A	30-Jun-16 A		30-Jun-16	A, Procure	ement														
CT35640	Design Documents Sent to Procurement - 4.09 (24)	0	07-Apr-16 A		_ • D	esign Docume	nts Sent to	o Procurén	ent - 4.09 (24	4)			1 1									;
CT35650	Submit/Approve SBD Goals and Request to Advertise - 4.09 (24)	8	07-Apr-16 A	14-Apr-16 A		Submit/Approve					(24)											- 1
CT35660	Advertise Bid Package - 4.09 (24)	0	15-Apr-16 A		1	Advertise Bid P	1	1 1														
CT35670	Bid Solicitation Period - 4.09 (24)	27	15-Apr-16 A	11-May-16 A	1 1	Bid Solicitation	***	1 1 1		1			1 1		1 1 1							- 1
CT35680	Bids Due - 4.09 (24)	0	12-May-16 A			Bids Due - 4.0		4.03 (24)														
CT35690	Bid Review Period - 4.09 (24)	2	12-May-16 A	13-May-16 A	1 i	i i	1	0 (24)														
CT35700	Award Recommendation - 4.09 (24)	0	-	13-May-16 A		Bid Review P	1.	11 1					1 1									- 1
CT12571	Procurement - 4.09 (24)	85	07-Apr-16 A	30-Jun-16 A	—	Award Recon	mendatio	11 - 4.09 (24	·) ; ;	- i	<u> </u>	Procurem	nent - 4	09 (24)								
CT35710	Final Approvals - 4.09 (24)	46	16-May-16 A	30-Jun-16 A						-		i iocuieli		55 (21)		-						
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CT35720	Contractor Notice to Proceed (NTP) - 4.09 (24)	0	12-Sep-16 A	24-Jan-17	-					İ												
CT12581	Construction - 4.09 (24)	181	•	27-Oct-16 A	\dashv	◆ Conti	actor Notic	ce to Proce	ed (NTP) - 4.0	09 (24)			<u> </u>	atausti -	00 (04)							
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CT12591	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (24)	-	00.0 1.12	27-Oct-16 A	-	♦ Sı	bstantial (Completion	(CD Compli	iance Dat	e 10/08/19)	- 4.09 (24)										
CT40500	Project Closeout - 4.09 (24)	90	28-Oct-16 A	24-Jan-17*			Projec	t Closeout	- 4.09 (24) ct Administrat	waa	ļļ				ļļļ.		ļļ	<u> </u>		ļļ		
roject Administration		810	23-Mar-15 A	24-Jan-17			24-Jar	n-17, Projec	t Aoministrat	tion												
CT38320	WASD Project Administration - 4.09 (24)	810		24-Jan-17			- WASD	D. Project A	ministration,	- 4.09 (24	i	-6-26-28-0-6		e en k	NW173rd Dr/5		KARA 2464A 2	226003		ļļ		
09 (25-26) Replace	ement of 1040 LF of 10" ACP FM from NW173rd Dr/52nd Ave. to NW 177th St/52nd Ave.	1079	01-Nov-14 A	03-Aug-17			i	03-4	Aug-17, 4.09 (2	(25-26) Re	placement	of 1040 LF of	1 10" AC	P FM from	NW173rd Dr/5	2nd Ave. to	NW 177th S	t/52nd Ave.		<u> </u>		
re-Design		180	01-Nov-14 A	30-Apr-15 A	e-Design								1 1									
CT22310	Pre-Design - 4.09 (25-26)	181	01-Nov-14 A	30-Apr-15 A	09 (25-26)	ineering Desig	L i						. i i		1		<u> </u>	<u> </u>		<u>ii.</u>		
ingineering Design		117	30-Apr-15 A	25-Aug-15 A	15 A, Eng	ineering Desig	n i			-			1 1									- 1
CT37390	30% Design Submittal - 4.09 (25-26)	34	01-May-15 A	03-Jun-15 A	Submittal	- 4.09 (25-26)																
CT37400	60% Design Submittal - 4.09 (25-26)	26	04-Jun-15 A	29-Jun-15 A	n Submitt	al - 4.09 (25-26	3			i	i i		1 1									- 1
CT37410	90% Design Submittal - 4.09 (25-26)	24	30-Jun-15 A	23-Jul-15 A	1 :	ittal - 4.09 (25-2																
CT12601	Engineering Design - 4.09 (25-26)	118	30-Apr-15 A	25-Aug-15 A		ign - 4.09 (25-2																
ermitting		43	29-Sep-15 A	11-Nov-15 A		, Permitting					}				11		ii	<u> </u>		†	******	
CT12611	Permitting - 4.09 (25-26)	44	29-Sep-15 A	11-Nov-15 A	_			+ +		_	Permi	tting - 4.09 (2	25-26)									
rocurement		243	11-Nov-15 A	11-Jul-16 A		11-Jul-16	A, Procure	ement			}	11.19	7-7-1		† <u>†</u> <u>†</u> -		† <u>†</u>	†		†		
CT35730	Design Documents Sent to Procurement - 4.09 (25-26)	0	18-Dec-15 A		Donigo D	i ocuments Ser	t to Broom	romont 4	00 (25 26)													j
CT35740	Submit/Approve SBD Goals and Request to Advertise - 4.09 (25-26)	87	18-Dec-15 A	13-Mar-16 A	1 77			1 1	11 11	4.00 (00)		1 1		1 1 1	-						- 1
CT35750	Advertise Bid Package - 4.09 (25-26)	0			1 1	omit/Approve S	1	- 1	est to Advertis	se - 4.09 (2	25-26)											
CT35760	Bid Solicitation Period - 4.09 (25-26)	52		04-May-16 A		vertise Bid Pac	1	1 1														
CT35770	Bids Due - 4.09 (25-26)	0		04-Way-1074		Bid Solicitatio	i i	4.09 (25-26	i)				1 1									
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CT35780	Bid Review Period - 4.09 (25-26)	7	05-May-16 A	11-May-16 A		Bid Review P	eriod - 4.09	9 (25-26)					; ;									- 1
CT35790	Award Recommendation - 4.09 (25-26)	0		11-May-16 A	•	Award Recom	mendatio	n -4.09 (25	-26)													
CT12621	Procurement - 4.09 (25-26)	244	11-Nov-15 A	11-Jul-16 A								Procurem	nent - 4	09 (25-26)								
CT35800	Final Approvals - 4.09 (25-26)	61	12-May-16 A	11-Jul-16 A	_ •	Final App	ovals : 4.0	09 (25-26)														
CT50980	P.O. Issued - 4.09 (25-26)	0		11-Jul-16 A	1	◆ P.O. Issu	d <u>-</u> 4.09 (2	25-26)			ļl				ļļ			ļļ		JJ		
onstruction		263	07-Oct-16 A	03-Aug-17		•		03-/	Aug-17, Const	truction												
CT35810	Contractor Notice to Proceed (NTP) - 4.09 (25-26)	0	07-Oct-16 A			1 1		1 1	ceed (NTP) - 4		6)	<u> </u>	<u>.i</u> i									
CT12631	Construction - 4.09 (25-26)	245	07-Oct-16 A	05-May-17									Cons	struction - 4	1.09 (25-26)							
CT12641	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (25-26)	0		05-May-17*	1			Substantia	al Completion	n (CD Con	npliance Da	ate 10/08/19)	4.09 /2	25-26)								
CT40510	Project Closeout - 4.09 (25-26)	90	06-May-17	03-Aug-17*							: :			-3 -3,								
roject Administration		898	01-May-15 A	03-Aug-17		!!!		03-4	ect Closeout Aug-17, Projec	ct Adminis	stration				††		11	† <u>†</u>		††		
CT38310	WASD Project Administration - 4.09 (25-26)	898	01-May-15 A	03-Aug-17		<u>i</u> i		مرامد 🚞	SD Project Ad	i Iminietmt	ion - 4 00 /	25-26)										
09 (27) Replace 26	63 LF of 4" ACP FM in SW 149th Ter from SW 89th Ave. to PVT PS Property	619	24-Jun-15 A	03-Mar-17		!!!	V 03-N	Mar-17, 4,0	9 (27) Replac	e 263 LF	of 4" ACP F	M in SW 149	oth Terfic	om SW 89ti	n Ave. to PVT I	PS Property	1	1 1		1 1		
re-Design		93	24-Jun-15 A	25-Sep-15 A	ep-15 A, P	re-Design	!				r				ii-		ii	jj		1		
CT22320	Pre-Design - 4.09 (27)	94	24-Jun-15 A	25-Sep-15 A	oc. c	00 (27)														1		
ngineering De sign		373		01-Jan-17	resign - 4.	09_(27)	01-Jan-	17, Engine	ering Design		ļ				11		ļ	1		1-1-		}
CT37790	30% Design Submittal - 4.09 (27)	71	•	15-Dec-15 A	200/ 5	inh College	4 00 0															
CT37800	60% Design Submittal - 4.09 (27)	37	16-Dec-15 A	21-Jan-16 A		ign Submittal -								i			1		į			
CT12651	Engineering Design - 4.09 (27)	141		12-Feb-16 A		esign Submitt																
CT37810		254	22-Jan-16 A	01-Jan-17	ngir	neering Design																
	Verification of Existing Conditions and Work to Complete - 4.09 (27)			_			Verificat	tion of Exis	ting Condition	ns_and_W	ork_to_C.om	plete. = 4.09 (2	27)		 		 	 		÷		
Construction	Construction 4.00 (27)	492		03-Mar-17			▼ 103-1	···α·- 17, QUI	Judouou	- 1	1 1	1 1			00 (5							
CT12681	Construction - 4.09 (27)	23	29-Oct-15 A	20-Nov-15 A	-								Cons	struction - 4	1:09 (27)							
CT12691	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (27)	0		20-Nov-15 A	ubstantial	Completion (CD Compli	liance Date	10/08/19) - 4	.09 (27)												
CT40520	Project Closeout - 4.09 (27)	31		03-Mar-17*	<u> </u>	<u> </u>	Proi	ject Closed	ut - 4.09 (27) ject Administ	L, l	ļ	1	. i i.	<u>i</u>	1	<u>i</u>	<u> </u>	<u> </u>	<u>i</u>	<u> </u>		
roject Administration		422	06-Oct-15 A	03-Mar-17			- 03-N	viar-17 Pro	rect Administ	เเลยเดท	1 1	1 1	1 i		1 1 1	1	1 1	1 1	1	1 1	1 1	





/ID	ecree Schedule - December 2016 Update Activity Name	Original	Start	tandard Lay	out w Baseline	e (RA L	hase) 2017 2018	1	2019		2020	2021	1 2	13-Jan-1 022	7 14:20 - F	
/ ID	Activity Name	Duration	Start	FIIIISII	Q1 Q2 Q3	3 Q4	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4									
CT37920	60% Design Submittal - 4.09 (46)	20	20-Jan-17	08-Feb-17			□ 60% Design Submittal - 4,09 (46)									
CT50460	60% Design Review - 4.09 (46)	10	09-Feb-17	18-Feb-17			60% Design Review - 4.09 (46)									
CT37930	90% Design Submittal - 4.09 (46)	20	19-Feb-17	10-Mar-17			90% Design Submittal -4.09 (46)									
CT13101	Engineering Design - 4.09 (46)	90	23-Sep-16 A	20-Mar-17			Engineering Design - 4.09 (46)									
CT50470	90% Design Review - 4.09 (46)	10	11-Mar-17	20-Mar-17	1		I 90% Design Review - 4 09 (46) 18-Jun-17, Permitting							ļ		
Permitting	D 100 100 100	90	21-Mar-17	18-Jun-17												
CT13111	Permitting - 4.09 (46)	90	21-Mar-17	18-Jun-17		i		Permitting -	1 1							
CT50570 CT50580	RER (DERM) Pemit - 4.09 (46)	90	21-Mar-17	18-Jun-17 18-Jun-17				, ,	1) Permit - 4.							
	Public Works Permit - 4.09 (46)	108	21-Mar-17 19-Jun-17	04-Oct-17			04-Oct-17, Procurement	Public Work	s Permit - 4.	09 (46)						
Procurement CT80200	Internal Bid Package Review - 4.09 (46)	3	19-Jun-17 19-Jun-17	21-Jun-17	-											
CT36270	Design Documents Sent to Procurement - 4.09 (46)	0	22-Jun-17	2.00			I Internal Bid Package Review - 4.09	f 1								
CT36280	Submit/Approve SBD Goals and Request to Advertise - 4.09 (46)	30	22-Jun-17	21-Jul-17	1		Design Documents Sent to Procure	1 1	1 1	0 40						
CT36290	Advertise Bid Package - 4.09 (46)	0	22-Jul-17		1		Submit/Approve SBD Goals and I	1 1	Advertise - 4.	.09 (46)						
CT36300	Bid Solicitation Period - 4.09 (46)	30	22-Jul-17	20-Aug-17	1 1 1		◆ Advertise Bid Package - 4.09 (46)	1								
CT36310	Bids Due - 4.09 (46)	0	21-Aug-17		1		■ Bid Solicitation Period - 4 09 (4 ◆ Bids Due - 4 09 (46)	(0)								
CT36320	Bid Review Period - 4.09 (46)	15		04-Sep-17	1		■ Bid Review Period - 4.09 (46)									
CT36330	Award Recommendation - 4.09 (46)	0	-	04-Sep-17			◆ Award Recommendation - 4.0	0 (46)								
CT13121	Procurement - 4.09 (46)	105	22-Jun-17	04-Oct-17	 		Award Recommendation - 4.0		rocurement -	4.09 (46)						
CT36340	Final Approvals - 4.09 (46)	30	05-Sep-17	04-Oct-17	1		Final Approvals 4 00 (46)	1 1	1 1							
Construction		270	05-Oct-17	01-Jul-18			Final Approvals - 4.09 (46) 01-Jul-18	, Constructi	on				1 1]		t
CT36350	Contractor Notice to Proceed (NTP) - 4.09 (46)	0	05-Oct-17		1		Contractor Notice to Procee	d (NTP) - 4.0	09 (46)							
CT13131	Construction - 4.09 (46)	180	05-Oct-17	02-Apr-18						onstruction -	4.09 (46)					
CT13191	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (46)	0		02-Apr-18*			♦ Substantial Cor	n pletion (CI	Compliano	e Date 10/0	8/19) - 4.09 (46)					
CT40590	Project Closeout - 4.09 (46)	90	03-Apr-18	01-Jul-18*	1			11 1 1	09 (46) mini stration	i i		ii	. j j	jj.		
Project Administration		555	23-Sep-16 A	01-Jul-18		1	▼ 01-Jul-18	, Project Adr	mini stration							
CT38240	WASD Project Administration - 4.09 (46)	555	23-Sep-16 A	01-Jul-18			23-Aug-17, 4;09 (47) Replacem	aject Admir	istration - 4.	09 (46)	ort 2000 to 2000 to 200			ļ		
	ment of 1023 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.	924	12-Feb-15 A	23-Aug-17			23-Aug-17, 4:09 (47) Replacem	ent of 1023	LF of 8" ACI	- HM from P	S# 0869 to SW 122	2nd Ave./88th St.		ļ		
Pre-Design	D. D. J. 100 (ID)	77		30-Apr-15 A	e-Design											
CT22410	Pre-Design - 4.09 (47)	78		30-Apr-15 A	09 (47) 0-15 A, Enginee	vina Dec	an -	. 					44	ļ		
Engineering Design CT37450	30% Design Submittal - 4.09 (47)	137 54	01-May-15 A 01-May-15 A	15-Sep-15 A 23-Jun-15 A	-		9"									
CT37460	60% Design Submittal - 4.09 (47)	37	24-Jun-15 A	30-Jul-15 A	_n Submittal - 4.0											
CT13151	Engineering Design - 4.09 (47)	138	01-May-15 A	15-Sep-15 A	_ign Submittal -											
CT37470	90% Design Submittal - 4.09 (47)	44	03-Aug-15 A	15-Sep-15 A	eering Design -	1 1										
Permitting	30 % Design Cubinitial - 4.03 (41)	83	29-Sep-15 A	21-Dec-15 A	Design Submitta 21-Dec-15 A, P	al =1.4.09 (4 Permitting	47)								<u> </u>	
CT13161	Permitting - 4.09 (47)	84	29-Sep-15 A	21-Dec-15 A	—			Permitting -	4.09 (47)							
Procurement		157	22-Dec-15 A	27-May-16 A	27-N	May-16 A	Procurement		1 1	- 				ii	iii-	
CT36360	Design Documents Sent to Procurement - 4.09 (47)	0	22-Dec-15 A		Design Docum	ents Sen	nt 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	1 1 1	i i	BD Goals and Request to Advertise - 4.09 (47)									
CT36380	Advertise Bid Package - 4.09 (47)	0	15-Mar-16 A		1 1	1.11	kage - 4.09 (47)									
CT36390	Bid Solicitation Period - 4.09 (47)	30	15-Mar-16 A	13-Apr-16 A			Period - 4.09 (47)									
CT36400	Bids Due - 4.09 (47)	0	14-Apr-16 A		♦ Bids Du											
CT36410	Bid Review Period - 4.09 (47)	15	14-Apr-16 A	28-Apr-16 A	1 1		iod - 4.09 (47)									
CT36420	Award Recommendation - 4.09 (47)	0		28-Apr-16 A	1 1 1	1	nendation - 4.09 (47)	į į								
CT13171	Procurement - 4.09 (47)	158	22-Dec-15 A	27-May-16 A				Pr	ocurement -	4 09 (47)						
CT36430	Final Approvals - 4.09 (47)	29	29-Apr-16 A	27-May-16 A	Fina	al <u>Ápprov</u> a	als 4 09 (47) 23-Aug-17, Construction							ļ	ļļ	
Construction	0 4 4 N (4 D 4 A)TD) 400 (47)	332	•	23-Aug-17			23-Aug-17, Construction									
CT36440	Contractor Notice to Proceed (NTP) - 4.09 (47)	0	26-Sep-16 A	05.1: :=	-	♦ Cont	ractor Notice to Proceed (NTP) - 4.09 (47)	<u> </u>	1 1							
CT13141	Construction - 4.09 (47)	184	26-Sep-16 A	25-May-17	-				C	onstruction -	4.09 (47)					
CT13181	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (47)	0	00 May 47	25-May-17*	-		 Substantial Completion (CD Compliant) 	1 1	0/08/19) - 4.0	09 (47)						
CT40600	Project Closeout - 4.09 (47)	90	26-May-17	23-Aug-17*			Project Closeout - 4.09 (47) 23-Aug-17, Project Administrati	ion							ļ <u>-</u>	
Project Administration CT38230	WASD Project Administration - 4.09 (47)	788 788	01-May-15 A 01-May-15 A	23-Aug-17 23-Aug-17	\exists			1 1								
	eplace 8" & 10" ACP FM with 16", 12" & 8" DIP - SW142 Ave/SW288St to SW123Ct/258St	1581	10-Jun-15 A	07-Oct-19			WASD, Project Administration	4.09 (47)	0	7-Oct-19, 4.0	9 (48-53, 63) Repl	ace 8" & 10" ACP F	M with 16", 12	" & 8" DIP - 9	W142 Ave/SV	/288St to S
Pre-Design	CPIACE O A 10 AOI 1111 WILLI 10 , 12 AO DII - 011 1-2 A10 011 2000 10 011 1200 1200 1	195	10-Jun-15 A	22-Dec-15 A	22-Dec-15A, P	re Desig	,	· 								
CT22450	Pre-Design - 4.09 (48-53, 63)	196	10-Jun-15 A	22-Dec-15 A												
Engineering Design		433	22-Dec-15 A	26-Feb-17	rus-westgu4.		3. 63) 26-Feb-17, Engineering Design							7		
CT37940	30% Design Submittal - 4.09 (48-53, 63)	31	14-Mar-16 A	13-Apr-16 A	1 1		omittal - 4.09 (48-53, 63)									
CT50330	30% Design Review - 4.09 (48-53, 63)	7	14-Apr-16 A	20-Apr-16 A	1 1		view -4.09 (48-53, 63)									
CT37950	60% Design Submittal - 4.09 (48-53, 63)	44	21-Apr-16 A	03-Jun-16 A	1 1 1	- 1	Submittal - 4.09 (48-53, 63)									
CT50340	60% Design Review - 4.09 (48-53, 63)	6	04-Jun-16 A	09-Jun-16 A	1 ! !	1	Review - 4.09 (48+53, 63)									
CT37960	90% Design Submittal - 4.09 (48-53, 63)	20	10-Jun-16 A	27-Jan-17			90% Design Submittal - 4.09 (48-53, 63)									
CT13351	Engineering Design - 4.09 (48-53, 63)	313	22-Dec-15 A	26-Feb-17			Engineering Design - 4.09 (48-53, 63)									
CT50350	90% Design Review - 4.09 (48-53, 63)	30	28-Jan-17	26-Feb-17				<u> </u>					<u> </u>	<u>l</u> i		
Permitting		180	27-Feb-17	25-Aug-17			90% Design Review - 4.09 (48-53, 63) 25-Aug-17, Permitting						1 1			
CT13361	Permitting - 4.09 (48-53, 63)	180	27-Feb-17	25-Aug-17	J		▼ 24-Feb-18, Procure	Permitting -	4.09 (48-53,	63)			1	<u> </u>	<u> </u>	
		183	26-Aug-17	24-Feb-18	1 1 1 1 1 1 1 1 1	1 77	24 Ech 19 Progue	omont	, , , , , , , , , , , , , , , , , , , ,	, , , , , , ,			, ,			





	cree Schedule - December 2016 Update	1		Standard Layo	_	, ,	Phase	<i>,</i>	,		0010			0040	-	000		000:				/ 14:20		No. 55 c
vity ID	Activity Name	Original Duration	Start	Finish		1016 1 03 04	L 01	2017	3 04		2018 2 03	3 04 (01 (2019 Q2 Q3 Q4		020	04 01	2021	i 04 01	202 1 Q2		01 (2023 2 03 1	Q4 Q1
CT13831	Construction - 4.09 (66)	240	16-Mar-18	10-Nov-18	Q1 Q2	Q0 Q	Q I	QZ Q) Q-7	Q1 Q2	2 00	, Q+	Q1 V		struction -	-	XT Q1	QZ Q3	, Q+ Q	1 QZ	Q0 Q1	Q1 C	2 00	प्रम प्रा
CT13841	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (66)	0		10-Nov-18*						T	-	◆ Sub	bstantia	al Completion (C	D Complia	nce Date	10/08/19)	4.09 (66)						
CT40670	Project Closeout - 4.09 (66)	90	11-Nov-18	08-Feb-19*	1	.]]						, Gal	i	iect Closeout - 4 Feb-19, Project A	1 1	i i						JJ		
Project Administration		649	01-May-17	08-Feb-19									▼ 08-F	Feb-19, Project A	dministratio	on :								
CT38190	WASD Project Administration - 4.09 (66)	649	01-May-17	08-Feb-19								▼ 10-San	■_ WA	SD Project Admi 09 (67) Replace 2	nistration =	4 09 (66)	/ from PS	±1132 ΔΙοη	a Rikini Blyd	to MH5	n Hanger F			
	2,700 LF of 8" ACPFM from PS#1132 Along Bikini Blvd to MH5 in Hanger Rd	1474 137	29-Aug-14 A 29-Aug-14 A	10-Sep-18 13-Jan-15 A	in							▼ 10-3ep-	7-10, 4.0		;,700 L1 01					1 10 1011 13,				
Pre-Design CT14201	Pre-Design - 4.09 (67)	137	29-Aug-14 A 29-Aug-14 A	13-Jan-15 A 13-Jan-15 A	T I				-				-											
Engineering Design	110 2000gi. 1100 (01)	436	13-Feb-15 A	24-Apr-16 A	2	4-Apr-16 A,	Enginee	ing Desig	n						 							† 		
CT13851	Engineering Design - 4.09 (67)	437	13-Feb-15 A	24-Apr-16 A	E	ngineening	Design -	4.09 (67)																
Permitting		238	25-Apr-16 A	05-Feb-17	-	1	0	5-Feb-17, F	emitting							1								
CT13861	Permitting - 4.09 (67)	207	25-Apr-16 A	05-Feb-17							-	Per	ermitting	g - 4.09 (67)										
CT50390	DERM Pemit - 4.09 (67)	207	25-Apr-16 A	05-Feb-17	_		D D	ERM Pem	nit - 4.09 (67)														
CT50400	Public Works Permit - 4.09 (67)	49	30-Sep-16 A	05-Feb-17			. P	ublic Worl 27	s Permit	-4.09 (67	7)_ 				ļ							ļļ		
Procurement CT80250	Internal Bid Package Review - 4.09 (67)	142	06-Feb-17 06-Feb-17	27-Jun-17 08-Feb-17	-				1 1		- 1		1											
CT36900	Design Documents Sent to Procurement - 4.09 (67)	0	09-Feb-17*	00-1 CD-17	1			temal Bid	1 11			()	İ											
CT36910	Submit/Approve SBD Goals and Request to Advertise - 4.09 (67)	30	09-Feb-17	10-Mar-17	1				- 1 - 1	- 1	- 1	nent - 4.09	1 7	4.00 (77)			1							
CT36920	Advertise Bid Package - 4.09 (67)	0	14-Apr-17					◆ Advertis	1			3 1	Adventi	se - 4.09 (67)										
CT36930	Bid Solicitation Period - 4.09 (67)	30	14-Apr-17	13-May-17	1		- 1	Bid S	i i		i i	* i i	- 1											
CT36940	Bids Due - 4.09 (67)	0	14-May-17					- 1	Due - 4.09	- 1	4.03 (0	"	1											
CT36950	Bid Review Period - 4.09 (67)	15	14-May-17	28-May-17					Review Pe		09 (67)													
CT36960	Award Recommendation - 4.09 (67)	0		28-May-17				i	rd Recom	i	i	09 (67)					i							
CT13871	Procurement - 4.09 (67)	139	09-Feb-17	27-Jun-17								1 1		Procurement - 4	09 (67)									
CT36970	Final Approvals - 4.09 (67)	30	29-May-17	27-Jun-17	J			<u>–</u> Fii	nal Approv	vals - 4.09	9 (67.).	- 40.0-	40.0-	onstruction	¦			¦				ļ		
Construction	Contractor Notice to Descript (NTD): 4.00 (C7)	440	28-Jun-17	10-Sep-18	-							▼ 10-Sep-)-18, CC	onstruction										
CT36980 CT13881	Contractor Notice to Proceed (NTP) - 4.09 (67)	350	28-Jun-17	10 lun 10	-			♦ Co	ontractor N	lotice to	Procee	ed (NTP) - 4	4.09 (6											
CT13891	Construction - 4.09 (67) Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (67)	350	28-Jun-17	12-Jun-18 12-Jun-18*	-			<u> </u>						1 1	struction -	1 1								
CT40680	Project Closeout - 4.09 (67)	90	13-Jun-18	12-3un-16 10-Sep-18*	-						◆ Sub			tion (CD Compli	: :	10/08/19)-	4.09 (67)							
Project Administration	1 10/001 01030001 - 4.00 (01)	1189	13-Feb-15 A	10-Sep-18		 					-	I. Project ▼ 10-Sep-	t Clase 5-18, Pro	out4.09.(67) oject Administrat	tion ;									
CT38180	WASD Project Administration - 4.09 (67)	1189	13-Feb-15 A	10-Sep-18				- 1	1 1	- 1	- !	1 1	- 1	1 1	: :									
4.09 (68) Replacem	nent of 3,400 LF of 6" and 8" ACP FM, from PS#0364 to NW 199th St./42nd Ave.	1192	29-Aug-14 A	19-Apr-17	:			▼ 19-Apr-	17, 4.09 (68) Repla	acemer	nt of 3,400	0 LF of	t Administration 6" and 8" ACP FI	M, from PS#	#0364 to N	W 199th	St./42nd Av	e.	1		† <u>†</u>		
Pre-Design		35	29-Aug-14 A	03-Oct-14 A		1									† 	11-						11		
CT20020	Pre-Design - 4.09 (68)	36	29-Aug-14 A	03-Oct-14 A	1								<u>.</u>		ļ							ļļ		
Engineering Design	F : 100 (00)	405	06-Oct-14 A	15-Nov-15 A	-1 :	, Enginéerin	- :	1					į											
CT13901	Engineering Design - 4.09 (68)	406	06-Oct-14 A	15-Nov-15 A	ngineering	Design - 4.0 -Apr-16 A, P)9 <mark>(</mark> 68) emitting								ļ							ļļ		
Permitting CT13911	Permitting - 4.09 (68)	142	16-Nov-15 A 16-Nov-15 A	06-Apr-16 A 06-Apr-16 A		140. 1014.	-	<u>'</u>			-	- Por	mittin	g - 4:09 (68)										
Procurement		83	07-Apr-16 A	29-Jun-16 A		29-Jun-1	6 A, Pro	curem en t						9-4103 (04)	 			 				 		
CT36990	Design Documents Sent to Procurement - 4.09 (68)	0	07-Apr-16 A		De De	esign Docur	nents Se	nt to Proc	urement	4 09 (68)	,		- 1											
CT37000	Submit/Approve SBD Goals and Request to Advertise - 4.09 (68)	8	07-Apr-16 A	14-Apr-16 A	1 1	ubmit/Abpro	1 1	i	1 1	i i	i i	09 (68)												
CT37010	Advertise Bid Package - 4.09 (68)	0	15-Apr-16 A		1 1	dvertise Bid			1.1			,	1				1							
CT37020	Bid Solicitation Period - 4.09 (68)	39	15-Apr-16 A	23-May-16 A		Bid Solicita		1 1																
CT37030	Bids Due - 4.09 (68)	0	23-May-16 A		•	Bids Due -	4.09 (68)	,					į											
CT37040	Bid Review Period - 4.09 (68)	3	24-May-16 A	26-May-16 A	1	Bid Review	Period	4.09 (68)																
CT37050	Award Recommendation - 4.09 (68)	0	07 440 4	26-May-16 A	•	Award Rec	ommenċ	dation - 4.0	09 (68)	- 1	-		-											
CT37060	Procurement - 4.09 (68)	84	07-Apr-16 A	29-Jun-16 A									T	Procurement - 4	(68)									
CT37060 CT50990	Final Approvals - 4.09 (68) P.O. Issued - 4.09 (68)	34	27-May-16 A	29-Jun-16 A 29-Jun-16 A	-	Final Ap	or <mark>o</mark> vals -	4.09 (68)					:											
Construction	1.0.100000 1.00 (00)	350	12-Sep-16 A	19-Apr-17	 	P.O. Jssi	ıed4.09	9_(68)¦. ▼ 19¦Apr-	17, Const	ruction					ļ							ļļ		
CT37070	Contractor Notice to Proceed (NTP) - 4.09 (68)	0	12-Sep-16 A		1			lotice to P					1											
CT13931	Construction - 4.09 (68)	350	12-Sep-16 A	19-Jan-17	1	▼ <u>C</u> 01	inacioi I	iolice,lo P	ioreea (N	::: /=;4.US	J (00)	1 1	<u> </u>	Cor	struction -	4 09 (68)								
CT13941	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (68)	0		19-Jan-17*	1	1 1	♦ Su	stantial C	Completion	n (CD Co	mblian	nce Date 1	10/08/1	9) - 4.09 (68)		`								
CT40690	Project Closeout - 4.09 (68)	90	20-Jan-17	19-Apr-17*	1		- Gui						. 5. 54/1	_, (00)										
Project Administration		1154	06-Oct-14 A	19-Apr-17				▼ 19-Apr-	Closeout 17, Projec	t Admini	istration	n												-
CT38170	WASD Project Administration - 4.09 (68)	1154		19-Apr-17			25	■ WÁSD	Project A	dministra	ation - 4	1.09 (68)	of 1つ™∧	CPFM from PS#	Maaa South	i do Miadoi	l akee D					ļļ		
	nent of 2,320 LF of 12" ACP FM from PS#0333 South to Miami Lakes Dr.	1157	16-Jun-14 A	25-Jan-17	e-Design							-, 420 LF 01				ااااهااا به .	Lancs DI.					ļļ		
Pre-Design CT22590	Pre-Design - 4.09 (69)	318 319	16-Jun-14 A 16-Jun-14 A	30-Apr-15 A 30-Apr-15 A	L								1											
Engineering Design		105		14-Aug-15 A	09 (69) 15 A, Engii	neering Des	gh																	
CT37480	30% Design Submittal - 4.09 (69)	29		29-May-15 A	- 1	4.09 (69)							į											
CT37490	60% Design Submittal - 4.09 (69)	33	01-Jun-15 A	03-Jul-15 A	i i	- 4.09 (69) al - 4.09 (69)																		
CT37500	90% Design Submittal - 4.09 (69)	40	06-Jul-15 A	14-Aug-15 A	1 :	ai - 4.09 (69) nittal - 4.09 (į								1			
CT13951	Engineering Design - 4.09 (69)	105	01-May-15 A	14-Aug-15 A	ring Desig	n - 4.09 (69)									<u> </u>			<u> </u>						
Permitting		91	19-Oct-15 A	18-Jan-16 A	▼ 18-Jan-	16 A, Permi	ting													1				
CT13961	Permitting - 4.09 (69)	92	19-Oct-15 A	18-Jan-16 A		40 Mar 126	C-B					Per	ermitting	g - 4.09 (69)	ļ <u> </u>	.						ļļ		
Procurement	Desire Desire of Coulds Desire 1 400 (00)	121	19-Jan-16 A	19-May-16 A		19-May-16	۱, Procul	ement !					į											
CT37080	Design Documents Sent to Procurement - 4.09 (69)	0	19-Jan-16 A		Design	Documents	Sent to	Procutema	ent - 4 na	(69)	- 1	1 1	- 1	1 1	1 1	1 1	1	; ;	; ;	- ; ;		1 1	- 1 1	1

ty ID	ree Schedule - December 2016 Update Activity Name	Original	Start	Standard Lay	_	2016	2017		2018		20)19		2020		2021		2022			- Page No 2023	10.0
		Duration					Q1 Q2 Q3	Q4 Q1					4 Q1		Q4 Q		3 Q4					
CT37090	Submit/Approve SBD Goals and Request to Advertise - 4.09 (69)	48	19-Jan-16 A	06-Mar-16 A	Sub	mit/Approve S	3D Goals and Red	uest to Adve	ertise - 4.09	9 (69)												\top
CT37100	Advertise Bid Package - 4.09 (69)	0	07-Mar-16 A		1	1 1	age - 4.09 (69)															
CT37110	Bid Solicitation Period - 4.09 (69)	30	07-Mar-16 A	05-Apr-16 A	_ Bi	d Solicitation	eriod - 4.09 (69)															
CT37120	Bids Due - 4.09 (69)	0			♦ Ві	ids Due - 4.09	(69)															
CT37130	Bid Review Period - 4.09 (69)	6	06-Apr-16 A	11-Apr-16 A	_ В	id Review Per	od - 4.09 (69)															
CT37140	Award Recommendation - 4.09 (69)	0		11-Apr-16 A	- A	ward Recomm	endation - 4:09 (6	9)														
CT13971	Procurement - 4.09 (69)	122	19-Jan-16 A	19-May-16 A	000000000000000000000000000000000000000	1 1			1 1	1 1	Pro	curement	-4 09 (69)									i
CT37150	Final Approvals - 4.09 (69)	38	12-Apr-16 A	19-May-16 A		- Final Approva	s - 4.09 (69) 25-Jan-17, Co	l l				ļļ										
Construction	Contractive Nation to Description (NTD) 4.00 (CO)	304	18-Jul-16 A	25-Jan-17	-		25-Jan-17, Co	istruction														
CT37160	Contractor Notice to Proceed (NTP) - 4.09 (69)	0	18-Jul-16 A	07.0-+40.4	-	◆ Contract	r Notice to Procee	ed (NTP) - 4.0	09 (69)	i i	i			j	j i							
CT13981	Construction - 4.09 (69)	304	18-Jul-16 A	27-Oct-16 A	-						1	(Construction	on - 4:09 (6	9)							
CT13991	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (69)	-	20 Oat 16 A	27-Oct-16 A	-	♦ Si	bstantial Complet	1 1 1	- 1° - 1	Date 10/08/19) - 4.09 (69)										
CT40700	Project Closeout - 4.09 (69)	90		25-Jan-17*	<u> </u>		Project Closed 25-Jan-17, Pro	out - 4.09 (69	stration			ļ ļ								4	·	
Project Administration CT38150	WASD Project Administration - 4.09 (69)	838 838	01-May-15 A 01-May-15 A	25-Jan-17 25-Jan-17	-		1 1	1 1	1 1													
	1000LF of 10" ACP FM at US-1 from SW 184th St. to North of Caribbean Blvd	1576	13-Sep-14 A	05-Jan-19			. WASD Project	Administrat	tion 4.09_	(69)	5-Jan-19	3. 4.09 (70)	Replace	8000LF of	10" ACP FI	M at US-1 fro	m SW 18/	4th St. to North	h of Carib	bean Blvd	+	
Pre-Design	1000EF 01 10 AGF FM at 03-1 ITOM 3W 104th 3t. to Not the Caribbean bive	407	13-Sep-14 A	25-Oct-15 A	Oct-15 A.	Pre-Design		·}			}											
CT20000	Pre-Design - 4.09 (70)	44	13-Sep-14 A	26-Oct-14 A																		
CT33000	Pre-Design (Revised Project Scope) - 4.09 (70)	119	29-Jun-15 A	25-Oct-15 A	٦	Dougla - d D	t Coop - \							i								
Engineering Design		720		15-Jan-17	-Design (I	sevisea Proje	t Scope) - 4,09 (70 ▼ 15-Jan-17, Eng	ineering Des	sign			;			·ii					†	†	
CT14001	Engineering Design (Original Project Scope) - 4.09 (70)	245	27-Oct-14 A	28-Jun-15 A	- 1	1 1	t Scope) - 4.09 (70	1 1														
CT33001	Engineering Design (Revised Project Scope) - 4.09 (70)	355	27-Oct-15 A	15-Jan-17	13.7	10	Engineering De	: esian (Revis	ed Project	Scope) - 4.09	9 (70)											
Permitting		180	16-Jan-17	14-Jul-17	-		▼ 14	Jul-17, Pem	mitting					:	11	-11				1 1	1 1	
CT14011	Permitting - 4.09 (70)	180	16-Jan-17	14-Jul-17		1 1			1 1	Perm	nitting - 4	(70)										
Procurement		270	15-Jul-17	10-Apr-18	1				10-Apr	-18, Procuren	nent				1					1 1	1 1	
CT14021	Procurement - 4.09 (70)	270	15-Jul-17	10-Apr-18		1 1			<u> </u>	1 1		curement										
Construction		270	11-Apr-18	05-Jan-19						0	5-Jan-19	, Construc	ction									
CT14031	Construction - 4.09 (70)	180	11-Apr-18	07-Oct-18				1 1			1		Construction	on - 4¦09 (7	0)							
CT14041	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (70)	0		07-Oct-18*	_					Substar	ntial Con	npletion (0	CD Compl	iance Date	e 10/08/19) -	- 4.09 (70)						
CT40710	Project Closeout - 4.09 (70)	90	08-Oct-18	05-Jan-19*					1	Р	Project C	loseout - 4), Project A	.09 (70)									
Project Administration		1440	27-Oct-14 A	05-Jan-19			i i			0	05-Jan-19), Project A	Administra	tion								
CT38160	WASD Project Administration - 4.09 (70)	1440	27-Oct-14 A	05-Jan-19		<u> </u>		<u> </u>	<u> </u>		VASD P	o iect Adm	inistration	- 4.09 (70)	tae-147	- 100000		n PS#0444 to		J		
	" ACP FM from PS#0445, West to NW 207th St, 4" From PS#0444 to NW207St	1353		15-Jul-18					-L	15-Jul-18, 4.0	J9 (71) R	epiace 8".	ACP FM fr	om PS#04	45, West to	3 NW 207 tn S	St, 4" From	1 PS#0444 to	NW 207St	4		
Pre-Design	D D 1 (44 70)	90	01-Nov-14 A	30-Jan-15 A	gn	1 1					į		-	į								
CT22550	Pre-Design - 4.09 (71)	91	01-Nov-14 A	30-Jan-15 A	1	0.Δnr.16 Δ Er	gineering Design	ļ				ļ										
Engineering Design CT14051	Engineering Design - 4.09 (71)	442 443	02-Feb-15 A 02-Feb-15 A	19-Apr-16 A 19-Apr-16 A	- :						- }											
Permitting	Lighteening Design - 4.09 (71)	100	19-Apr-16 A	28-Jul-16 A			sign - 4.09 (71) A, Permitting	÷				ļ		· 						÷	÷	
CT50410	DERM Permit - 4.09 (71)	20	20-Apr-16 A	09-May-16 A	- :	1 1					i											
CT14061	Permitting - 4.09 (71)	101	19-Apr-16 A	28-Jul-16 A		DERM Permi	- 4.09 (71)			Porm	nitting - 4	00 (71)										
CT50420	Public Works Permit (City of Miami Gardens) - 4.09 (71)	100	20-Apr-16 A	28-Jul-16 A	1	<u> </u>				1 1	nung -4	(71)										
Procurement		203		20-Jun-17		. Public V	orks Permit (City 20-J	ot Miami Ga un-17, Procu	ardens) - 4. urement	09 (71)		tt		· 							÷	
CT37170	Design Documents Sent to Procurement - 4.09 (71)		29-Nov-16 A	20 00							į											
CT37180	Submit/Approve SBD Goals and Request to Advertise - 4.09 (71)	27	29-Nov-16 A	25-Jan-17		1 1	Design Document Submit/Approv	1 1		1 1	4.	70 (74)										
CT37190	Advertise Bid Package - 4.09 (71)	0	07-Apr-17		-	-	1 111	1 1	1 1 1	1 1	mse - 4.C	19 (71)										
CT37200	Bid Solicitation Period - 4.09 (71)	30	07-Apr-17	06-May-17	1		◆ Advertise	i i	i i	i i	į											
CT37210	Bids Due - 4.09 (71)	0	07-May-17				1 1	icitation Penue - 4.09 (71	1 1	,71)												
CT37220	Bid Review Period - 4.09 (71)	15	07-May-17	21-May-17	-		1 1	view Period	7 1		-											
CT37230	Award Recommendation - 4.09 (71)	0	-	21-May-17	1		1 : :	Recommen		1 1	į											
CT14071	Procurement - 4.09 (71)	102	29-Nov-16 A	20-Jun-17	+			: :	iualion - 4.	09 (71)	Pro	curement	- 4.09 (71)									
CT37240	Final Approvals - 4.09 (71)	30	22-May-17	20-Jun-17	1		- Fina	l'Approvate	4 00 (71)				()	i					i			
Construction		390	21-Jun-17	15-Jul-18	1		·····	יייין איייין איייין איייין איייין איייי)	15-Jul-18, Co	onstruction	dn		·								
CT37250	Contractor Notice to Proceed (NTP) - 4.09 (71)	0	21-Jun-17				1 1	i i	i i	ed (NTP) - 4.0	- 1											- 1
CT14081	Construction - 4.09 (71)	300	21-Jun-17	16-Apr-18	1		. + 501		1000				Construction	on - 4;09 (7	1)				į			
CT14091	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (71)	0		16-Apr-18*					◆ Subet	antial Comple	etion (CF	1 1	1 1	1	- ()							- 1
CT40720	Project Closeout - 4.09 (71)	90	17-Apr-18	15-Jul-18*																		
Project Administration		1108	02-Feb-15 A	15-Jul-18			1 1	1 1	•	Project Close 15-Jul-18, Pro	oject Adr	ninistratio	n			1 1	1 1					
CT38140	WASD Project Administration - 4.09 (71)	1108	02-Feb-15 A	15-Jul-18		! !	1 1	! !	<u> </u>	WASD Projec	ct.Admin	istration -	4.09 (71)					PS#0891 to S	5007-75-55-5	W. 125		
4.09 (72) Replace 9	152 LF of 8", 12" and 16" ACP FM from PS#0891 to SW 108th St127th Ave88th St	1236		21-Feb-19		<u></u>		ļ			7 21-Feb	o-19, 4.09 ((72) Repla	ce 9152 LF	of 8", 12"	and 16" ACP	FM from I	~S#0891 to S	vv 108th S	st127th Ave	88th \$t	[]
Procurement		391	05-Oct-15 A	29-Jan-17			▼ 29-Jan-17, Pro	curement														
CT14161	Procurement - 4.09 (72)	391	05-Oct-15 A	29-Jan-17			<u></u>		1			curement			44							
Construction	0 1 1 100 770	753	30-Jan-17	21-Feb-19			1 1	1 1	1 1	1 1	7 ∠1-Feb	y-19, Cons	1 1									
CT14171	Construction - 4.09 (72)	663	30-Jan-17*	23-Nov-18	-								Construction	on - 4 09 (7	2)							
CT14191	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (72)	0		23-Nov-18*	_					◆ Subs	stantial (Completio	n (CD Cor	npliance D)ate 10/08/1	19) - 4.09 (72)	2)					
CT40730	Project Closeout - 4.09 (72)	90	24-Nov-18	21-Feb-19*		<u> </u>	<u> </u>	<u> </u>	<u> </u>		Projec	t Closeout x-19, Proje	-4.09 (72)								
Project Administration	WASD Decipat Administration, 4.00 (70)	1057	31-Dec-15 A	21-Feb-19							- 1	1 1	- : :	1								
CT38510	WASD Project Administration - 4.09 (72)	1057 1572	31-Dec-15 A 29-Aug-14 A	21-Feb-19 17-Dec-18							WASD	Project A	dministrat	ion - 4.09 (72) 6 LF of 16"	1875 I 🖹 of	12 1577	F of 8" ACP FI	Ms D0#0	1875 to 127#	Ave	
4.00 (70) 5	nent of 4156 LF of 16", 1375 LF of 12', 1577LF of 8" AC P FM's PS#0875 to 127th Ave																			2121U 14/11	7,170	

	cree Schedule - December 2016 Update				out w Baseline (By I																n-17 1	4:20 -			
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3 Q4		017	1 01	2018	2 04	01 0	2019	T 04		2020	04 0	2021		01 0	2022	04 0	202			2024
CT20010	Pre-Design - 4.09 (73)	217	29-Aug-14 A	02-Apr-15 A	(70)	+ QI QZ	Q3 Q4	· Qi	QZ Q	3 Q4	QII	22 Q3	Q4	QI Q	2 Q3	Q4 Q	1 92 0	23 Q4	QI G	2 Q3	Q4 C	21 Q2	Q3 Q	+ Q1	1 4
Engineering De sign		223	03-Apr-15 A	12-Nov-15 A	2-Nov-15 A, Engineering	gDesign	1 1						11				-11								
CT37510	30% Design Submittal - 4.09 (73)	126	03-Apr-15 A	06-Aug-15 A	sign Submittal - 4.09 (73	73									1 1	i						-	i		
CT37520	60% Design Submittal - 4.09 (73)	56	07-Aug-15 A	01-Oct-15 A	Design Submittal - 4.0	i																			
CT14111	Engineering Design - 4.09 (73)	224	03-Apr-15 A	12-Nov-15 A	ngineering Design - 4.09											-									
CT37530	90% Design Submittal - 4.09 (73)	42	02-Oct-15 A	12-Nov-15 A	% Design Submittal -	4.09 (73)										İ									
Permitting		245	18-Dec-15 A	19-Aug-16 A)% Design Submittal - 4 19-Aug	ug 16 A Perm	itting																		-
CT50510	Miami Dade Public Works Permit - 4.09 (73)	74	18-Dec-15 A	29-Feb-16 A	Miami Dade Publ	olic Works Pe	mit - 4.09 (7	73)																	
CT50500	RER (DERM) / FDEP Permit - 4.09 (73)	83	18-Dec-15 A	09-Mar-16 A	RER (DERM) / FD										1 1										
CT50520	South Florida Water Management District (SFWMD) Permit -4.09 (73)	79	04-Jan-16 A	22-Mar-16 A	South Florida Wa	Vater Manage	ment Distric	ct (SFWI	MD) Permi	it -4.09 (7	73)														
CT14121	Permitting - 4.09 (73)	246	18-Dec-15 A	19-Aug-16 A			: :	- :				- 4.09 (7	3)		1 1	İ			į				i		
CT50870	Tree Permit - 4.09 (73)	39	12-Jul-16 A	19-Aug-16 A	Tree_F	Permit - 4.09.	(73)													_ _					
Procurement		164	13-Jan-17	25-Jun-17	4	Pemit - 4.09.	♥ 25-Jµn-1	7, Procui	rement																
CT80260	Internal Bid Package Review - 4.09 (73)	3	13-Jan-17	15-Jan-17			Bid Package			3)															
CT37260	Design Documents Sent to Procurement - 4.09 (73)	0	16-Jan-17*			♦ Design	Documents	Sent to	Procurem	ent - 4.09	(73)														
CT37270	Submit/Approve SBD Goals and Request to Advertise - 4.09 (73)	30	16-Jan-17	14-Feb-17		Subm	it/Approve S	BD Goal	s and Re	quest to	Advertise	- 4,09 (73	3)		1 1	į									
CT37280	Advertise Bid Package - 4.09 (73)	0	12-Apr-17			♦ Ad	vertise Bid	Package	e - 4.09 (7	3)	: :					1									
CT37290	Bid Solicitation Period - 4.09 (73)	30	12-Apr-17	11-May-17			Bid Solicitat	tion Perio	bd - 4.09 (73)															-
CT37300	Bids Due - 4.09 (73)	0	12-May-17			•	Bids Due - 4	4.09 (73)																	
CT37310	Bid Review Period - 4.09 (73)	15	12-May-17	26-May-17			Bid Review	v Period	- 4.09 (73))															
CT37320	Award Recommendation - 4.09 (73)	0		26-May-17		•	Award Rec	ommen	dation - 4.	09 (73)															
CT14131	Procurement - 4.9 (73)	161	16-Jan-17	25-Jun-17			B .	1 1		1		Procurem	ent - 4	9 (73)											
CT37330	Final Approvals - 4.09 (73)	30	27-May-17	25-Jun-17			. Final App	orovals	4.09 (73)										<u>i</u>						. i
Construction		540	26-Jun-17	17-Dec-18	4			1 1			17-Dec	-18, Cons	truction												
CT37340	Contractor Notice to Proceed (NTP) - 4.09 (73)	0	26-Jun-17		_		♦ Contractor	or Notice	to Proce	ed (NTP)	- 4.09 (73	3)	1 1		1 1	į						-		i	
CT14151	Construction - 4.09 (73)	450	26-Jun-17	18-Sep-18							!!!	- 1	Cons	struction -	4,09 (73)										
CT14181	Substantial Completion (CD Compliance Date 10/08/19) - 4.09 (73)	0		18-Sep-18*						◆ Subs	tantial C	ompletion	n (CD C	om plianc	e Date 10	(08/19) - 4	4.09 (73)					-	i	i	
CT40740	Project Closeout - 4.09 (73)	90	19-Sep-18	17-Dec-18*	1		1				Project	Closeout	4.09 (73) nistration											1
Project Administration		1191	03-Apr-15 A	17-Dec-18							17-Dec	-18, Proje	ct Admi	nistration		İ			į						
CT38130	WASD Project Administration - 4.09 (73)	1191	03-Apr-15 A	17-Dec-18							WASD	Project A	dministr	ation:-4.0	09 (73)	<u></u>	- A	-1-46-20			25 AND 12				ļ
4.10 Opa-Locka Ai	irport 48" PCCP Force Main Replacement	2381	29-Jul-14 A	02-Feb-21											1		02-Feb-21,	4.10 Opa-	_ocka A	rport 48" F	CCPFC	rce Main F	eplacem	ent	i
Engineering Design		577	06-Oct-14 A	05-May-16 A	05-May-16 A,	, Engineering	Design																		
CT71530	EPA Start Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport**	0	06-Oct-14 A		g Design - Replace 48"	CCP FM @	Opa-Locka	a Airport*	**																
CT50890	EPA Compliance Date for Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport**	0		23-Apr-15 A	e Date for Engineering I	Design - Rep	olace 48" PC	CCP FM	@ Opa-Lo	cka Airpo	ort**														
CT10100	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport	506	17-Dec-14 A	05-May-16 A	Engineering [CCP FM (@ Opa-Lo	cka Airpo	ort		1												
Permitting		725	29-Jul-14 A	23-Jul-16 A	23-Jul-1	16 A, Permitti	ng			-					1 1	İ									
CT71540	EPA Start Date for Permitting - Replace 48" PCCP FM @ Opa-Locka Airport**	0	29-Jul-14 A		lace 48" PCCP FM @	Opa-Locka A	irport**				! !														
CT10180	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	321	30-Jul-15 A	14-Jun-16 A	Permitti	tin <mark>g - Re</mark> place	48" PCCP	FM @ O	pa-Locka	Airport															
CT50900	EPA Compliance Date for Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	0		23-Jul-16 A	◆ EPA Co	ompliance Da 29-Dec-1	te for Permi	itti na - R	eplace 48	".PCCP.I	FM @ Ор	a-Locka A	Airport.												4
Procurement		241	04-May-16 A	29-Dec-16 A	4	29-Dec-1	6A, Procure	ement								1									
CT71550	EPA Start Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport**	0	24-Jul-16 A		◆ EPA Sta	art Date for P							t**												
CT10260	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	241	04-May-16 A	19-Dec-16 A		Produrem	ent - Replac	ce 48" P	CCP FM (@ Opa-Lo	cka Airp	ort													
CT50910	EPA Compliance Date for Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	0		29-Dec-16 A	<u> </u>	EPA_Com	pliance Dat	te for Pro	curement	- Replac	e 48" PC	CP FM @	Qpa-L	ocka Airpo	ort										ļ
Construction		455	12-Oct-16 A	28-Jan-18	4			28	3-Jan-18, (Construct	ion														
CT71560	EPA Start Date for Construction - Replace 48" PCCP RM @ Opa-Locka Airport	0	23-Oct-16 A		<u> </u>	EPA Start Date	e for Constru	uction - F	Replace 4	8" PCCP	FM @ O	pa-Locka	Airport			i									
CT10330	Construction - Replace 48" PCCP FM @ Opa-Locka Airport	415	12-Oct-16 A	15-Nov-17	_	-		C	onstruction	n - Repla	ce 48" P	CCP FM (@ Opa-L	ocka Ain	oort										-
CT10400	Substantial Completion (CD Compliance Date 1/28/18) - Replace 48" PCCP FM @ Opa-Locka Airport	0		15-Nov-17*			•	Substar	ntial Com	pletion (C	D Comp	oliance Da	ate 1/28	/18) - Rep	lace 48" F	CCP FM	@ Opa-Lo	cka Airport	į						
CT50920	EPA Compliance Date for Construction - Replace 48" PCCP FM @ Opa-Locka Airport	0		28-Jan-18*			<u> </u>	_ ♦ हा	PA Compli	iance Da	te for Cor	nstruction	- Repla	ce 48" P	CCP FM (Opa-Lo	cka Airport	V 37th Ave.	; ;; NVA7-5	5. dr 3. dr 1					
	isiting 48" FM Along North Side of Biscayne Canal from NW 37th Ave. to NW 32nd Ave.	853	17-Aug-15 A	16-Dec-17	13-Dec-15 A, Pre-Desig		ļ	▼ 10-DE	ec-17,;4.1	U (I) Reli	ad Exisit	1119 #6 FI	vi Along			ayne Can	ai;iioiii ivivi	v 37 ui Ave.		2110 Ave.;					ļ
Pre-Design	N	118	17-Aug-15 A	13-Dec-15 A	13-Dec-15 A, Pie-Desig	igr																			
CT37600	Negotiate Scope and Fee for Remaining Design - Rehab Existing 48" FM East of Opa Locka Airport	119	17-Aug-15 A	13-Dec-15 A	Negotiate Scope and F 05-May-16 A,	Fee for Rema	ining Design	n Reba	b Existing	.48". FM.I	East of O	pa Locka	Airport								\				ļ.,
Engineering Design	Double Designation - Debut Cristian 401 FM Foot of Oas Locks Aircraft	143	14-Dec-15 A	05-May-16 A	US-IVIAY-10 A,	, mignieening	pesign																		
CT37630	Draft Performance Specifications - Rehab Existing 48" FM East of Opa Locka Airport	124	14-Dec-15 A	15-Apr-16 A	Draft Performa	an <mark>ce Specific</mark>	ations - Ref	hab Exis	ting 48" Fl	M East of	Opa Loc	cka Airpor	t		1 1	İ									
CT37640	Performance Specifications Review - Rehab Existing 48" FM East of Opa Locka Airport	/	16-Apr-16 A	22-Apr-16 A	■ Performance S	Specification	s Review - I	Rehab E	xisting 48	" FM Eas	t of Opa	Locka Air	port												
CT37590	Engineering Design - Rehab Existing 48" FM East of Opa Locka Airport	144	14-Dec-15 A	05-May-16 A	Engineering [Design - Reh	ab Existing	48" FM	East of Or	oa Locka	Airport														
CT37650	Final Performance Specifications Submittal - Rehab Existing 48" FM East of Opa Locka Airport	13	23-Apr-16 A	05-May-16 A	Final Perform ▼ 05-May-16 A,	nance Specif	ications Sub	bmittal -	Rehab Ex	isting 48	".FM.Eas	t of Opa l	bcka.A	irport											- <u>-</u>
Permitting	Domitting Debah Eviating 40" FM Feet of One Legic Almost	1	04-May-16 A	05-May-16 A	-		1 1	- 1 - 1	: :	- 1															
CT37660	Permitting - Rehab Existing 48" FM East of Opa Locka Ailport	239		05-May-16 A	L Permitting - F	Rehab Existin	na 48" FM Ea	ast of Or	pa.Locka	Ainort			·												÷
Procurement CT37670	Design Documents Sent to Procurement - Rehab Existing 48" FM East of Opa Locka Airport	239	06-May-16 A	19-Dec-16 A	1 1 1 1		1 1			1 1	! !														
CT37670 CT37680	Submit/Approve SBD Goals and Request to Advertise - Rehab Existing 48" FM East of Opa Locka Airport	22	06-May-16 A 06-May-16 A	27-May-16 A	◆ Design Docu	i	i i	i i	i i	- 1	i i	- 1	i i	i		}									
	· · · · · · · · · · · · · · · · · · ·	_		27-May-16 A	Submit/App	prove SBD Go	oạls and Re	quest to	Advertise	- Rehab	Existing	48" FM E	ast of O	pa Locka	Airport										-
CT37700	Advertise Bid Package - Rehab Existing 48" FM East of Opa Locka Airport	0	16-Sep-16 A	40.0 : 40 :	_	vertise Bid Pa	ckage ¦Ref	hab Exis	ting 48" Fl	M East of	Opa Loc	cka Airpor	t i			-									-
CT37710	Bid Solicitation Period - Rehab Existing 48" FM East of Opa Locka Airport	31	16-Sep-16 A	19-Oct-16 A	_ B	Bid Solicitatio	n Period - R	tehab Exi	isting 48"	FM East	of Opa L	ocka Airp	ort		1 1										-
CT37720	Bids Due - Rehab Existing 48" FM East of Opa Locka Airport	0	20-Oct-16 A	00 11 10 1	→ B	Bids Due - Re	hab Existing	g 48" FM	East of C	pa Locka	a Airport														
CT37730	Bid Review Period - Rehab Existing 48" FM East of Opa Locka Airport	30	20-Oct-16 A	20-Nov-16 A		Bid Review	Period - Ref	hab Exis	ting 48" Fl	M East of	Opa Loc	cka Airpor	t			}									
CT37740	Award Recommendation - Rehab Existing 48" FM East of Opa Locka Airport	0	00.11	21-Nov-16 A	-	Award Reco	mm en datio	n - Reha	b Existino	148" FM	East of C	oa Locka	Airoort		1 1	-									-
CT37690	Procurement - Rehab Existing 48" FM East of Opa Locka Airport	239	06-May-16 A	19-Dec-16 A		Procurem	ent - Rehab	Existing	48" FM E	ast of Op	a Locka	Airport			1 1						- 1			-	-
CT37750	Final Approvals (BC C, Mayor, Risk Mgmt.) - Rehab Existing 48" FM East of Opa Locka Airport	4	22-Nov-16 A	19-Dec-16 A	1	Final Apor	nivals (BCC	Mayor	Risk Man	nt) - Reh	ah Existir	na 48" FM	East of	f Opa Loc	ka Airport	- 1	1 1	1 1		- 1		- 1		- 1	

	cree Schedule - December 2016 Update	01			out w Baseline (By F	Pnase)	,	0040		2010	1 00	00		0004				Jan-17 1	14:20 - P		
ty ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3 Q4	01	2017	Q4 Q1 Q2 Q3 Q4		2019	01 02		01 0	2021	1 04	01	2022	104 0	2023		04 0
Construction		350	21-Dec-16 A	16-Dec-17	Q1 Q2 Q5 Q4	V Q1	QZ Q3	16-Dec-17, Constructi		. QJ QH	Q1 Q2	QU Q4	Qi C	2Z Q3) Q4	QI	QZ Q3	Q4 G	1 02	Q0 Q	24 Q
CT37760	Contractor Notice to Proceed (NTP) - Rehab Existing 48" FM East of Opa Locka Airport		21-Dec-16 A	10 200 11		Cantle	natar Nation	to Dedocad (NITD) Dobah Fu	iotina 40" F	4 Foot of One	l aaka Aiman				į						
CT37770	Construction - Rehab Existing 48" FM East of Opa Locka Airport		21-Dec-16 A	17-Sep-17		Contra	1 1	to Proceed (NTP) + Rehab Ex		1 1	1 1				1						
CT37780	Substantial Completion (CD Compliance Date 1/28/18) - Rehab Existing 48" FM East of Opa Locka Airport	0		17-Sep-17*	-	1	i i	Construction - Rehab Existing	5 1	1 1	1 1	-4: 40" =		o		1					
CT40750	Project Closeout - Rehab Existing 48" FM East of Opa Locka Airport	90	18-Sep-17	16-Dec-17*	1		1	Substantial Completion (CE					M East of C	Opa Loc	ка Апр	οπ					
Project Administration	• • • • • • • • • • • • • • • • • • • •		14-Dec-15 A	16-Dec-17			·i	Project Closeout - Re 16-Dec-17, Project Ad	nan Existing ministration	48" FM East	or Opa Locka	ALIDOIT				+		jj			
CT35381	WASD Project Administration - Rehab Existing 48" FM East of Opa Locka Airport		14-Dec-15 A	16-Dec-17			1 1			1 1			Aimort		1						
4.10 (2) Opa-Locka	a Airport 48" PCCP Force Main Replacement (Sections 1 and 2)	1186	17-Dec-14 A	13-Feb-18				WASD Project Admin 13-Feb-18, 4.10 (2) Opa-Locka	Airport 48" F	CCP Force M	in Replace	ement (\$ec	tions 1	and 2)	++		1			
Pre-Design			01-May-15 A	24-Jun-15 A	, Pre-Design	+															
CT22150	Negotiate Scope and Fee for Remaining Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		01-May-15 A	24-Jun-15 A	anno and The for Domes	inina D	anian Danis	200 40" DCCD FM @ One Lo	alla Aimant (Costions 1 9	21		1 1	1	į						
Engineering Design		505	17-Dec-14 A	05-May-16 A	05-May-16 A, E	Enginee	ering Design	ace 48". PCCP.FM.@. Opa-Lo	rva vinhoir i	SECTIONS: 1-0.	٠					44-					
CT22140	Basis of Design Report (BODR) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	184	17-Dec-14 A	18-Jun-15 A	sign Report (BODR) - Re	enlace 4	18" PCCP FM	/I @ Opa-Locka Airport (Secti	ons 1 & 2)						1						
CT22160	30% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	47	25-Jun-15 A	10-Aug-15 A	1 11 1 11 11		1 1	Dpa-Locka Airport (Sections 1	1 1 1												
CT22170	30% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	8	11-Aug-15 A	18-Aug-15 A	1 i i	i	i i	a-Locka Airport (Sections 1	- i - i -						-						
CT22180	60% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	91	15-Aug-15 A	13-Nov-15 A	1 1 1		1 1	M @ Opa-Locka Airport (Sec							-						
CT22780	60% Design Review - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	7	14-Nov-15 A	20-Nov-15 A	1 1 1	1 1	i i	@ Opa-Locka Airport (Section)	i i i				1 1	- 1	-	1 1					
CT22210	100% Design Submittal - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		21-Nov-15 A	23-Mar-16 A	1 1 1 1		1 1		1 1												
CT37540	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		17-Dec-14 A	05-May-16 A				B" PCCP FM @ Opa-Locka A					1 1	İ	İ						
Permitting	Jan		30-Jul-15 A	14-Jun-16 A	Engineering D	Jesign. <u>-</u> A, Permi	Replace 48	.PCCP.FM.@.Opa-Locka.Ai	port (Section	IS 1. & 2)								÷			
CT50240	RER (DERM) / FDEP Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		31-Mar-16 A	12-Apr-16 A	DED (DEDM) (I			40" DOOD FM @ 0 1 -	-11- 4:		0,		1 1		į						
CT37550	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	321	30-Jul-15 A	14-Jun-16 A				ace 48" PCCP FM @ Opa-Lo	1 1	: :	2)										
CT50250	FAA Permit - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		30-Jul-15 A	14-Jun-16 A	1 1 1 1 1	1 1	1 1	PFM @ Opa-Locka Airport (S	1 1					i	į						
Procurement	17 TO STATE OF THE CONTROL OF THE CO		04-May-16 A	26-Sep-16 A	FAA Pemit	t - Repla Sep-16 A	ace 48" PCC A Procureme	P.FM @ Opa-Locka Airport (Sent	Sections 1.8	.2)						++					
CT33101	Design Documents Sent to Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		04-May-16 A	20 ocp 10 / t	1 11 1 1																
CT33111	Submit/Approve SBD Goals and Request to Advertise - Replace 48" PCC P FM @ Opa-Locka Airport (Sections 1 & 2)		04-May-16 A	27-May-16 A	1 1 - 1		1 1	rement - Replace 48" PCCP		1 5	1 1				į						
CT33121	Advertise Bid Package - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		16-Jun-16 A	27 May 1070		1	111111	Request to Advertise - Repl				(Sections 1	1 & 2)		-						
CT33121	Bid Solicitation Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		16-Jun-16 A	07-Aug-16 A		- 1		ce 48" PCCP FM @ Opa-Loc			11 1			i							
	· · · · · · · · · · · ·			07-Aug-10 A		1.	1 1	place 48" PCCP FM @ Opa-	1 1	1 1	& 2)										
CT33141	Bids Due - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		08-Aug-16 A	00.4 40.4	♦ Bids Dι	ue - Rep	olace 48" P¢	CP FM @ Opa-Locka Airport	(Sections 1	& 2)											
CT33151	Bid Review Period - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	15	08-Aug-16 A	22-Aug-16 A	■ Bid Re	eview Pe	eriod - Repla	ce 48" PCCP FM @ Opa-Loc	ka Airport (S	ections 1 & 2	2)				1						
CT33161	Award Recommendation - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0		22-Aug-16 A	◆ Award	Recom	mendation -	Replace 48" PCCP FM @ C	pa-Locka Ai	port (Section	s 1 & 2)										
CT37580	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	146	04-May-16 A	26-Sep-16 A	Proc	curemen	nt - Replace	48" PCCP FM @ Opa-Locka	A port (Sec	ions 1 & 2)				i							
CT33171	Final Approvals (BCC, Mayor, Risk Mgmt.) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	35	23-Aug-16 A	26-Sep-16 A	Fina	a Approv	vals (BCC, M	Mayor Risk Mamt) - Replace 13-Feb-18, Consti	48" PCCP I	M @ Opa-Lo	cka Aimont (S	ctions 1 &	2)					J J			
Construction			12-Oct-16 A	13-Feb-18				13-Feb-18, Consti	uction												
CT33181	Contractor Notice to Proceed (NTP) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)		12-Oct-16 A		♦ Co	ontractor	Notice to Pr	oceed (NTP) - Replace 48" F	CCP FM @	Opa-Locka A	port (Section	1 & 2)	1 1	- 1	-	1 1					
CT37560	Construction - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	400	12-Oct-16 A	15-Nov-17		:		Construction - Replace	48" PCOP FI	И @ Opa-Loc	ka Airport (Se	tions 1 & 2	2)								
CT37570	Substantial Completion (CD Compliance Date 1/28/18) - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	0		15-Nov-17*				◆ Substantial Completion	i i	i i	i i	i i	i i	opa-Lock	ka Aimo	ort (Section	ons 1 & 2)				
CT40760	Project Closeout - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	90	16-Nov-17	13-Feb-18*				Project Closeout 13-Feb-18, Projec								1, 1					
Project Administration	1	1186	17-Dec-14 A	13-Feb-18			1 1	13-Feb-18, Projec	Administra	ion			1 1		į						
CT35371	WASD Project Administration - Replace 48" PCCP FM @ Opa-Locka Airport (Sections 1 & 2)	1186	17-Dec-14 A	13-Feb-18	1 1 1	i	1 1	WASD Project Ad 23-Nov-17, 4,10 (3) Rep	ministration	- Replace 48	PCCP FM @	Opa-Locka	Airport (S	ections.	1.8.2)	11		<u> </u>			
4.10 (3) Replace 16	6" FM Along NW 159th St. from NW 57th St. to NW 54th St.	627	07-Mar-16 A	23-Nov-17				23-Nov-17, 4 10 (3) Rep	lace 16" FM	Along NW 1	9th St. from I	IW 57th St.	to NW 54	th St.		1	j	jj			
Pre-Design		114	07-Mar-16 A	29-Jun-16 A	29-Jiun-16	A, Pre¦[Design								-						
CT50000	Pre- Design - 4.10 (3)	115	07-Mar-16 A	29-Jun-16 A	Pre-Desic 20-S	an 4.10	0.(3)				.ii		_ii_	j			<u>i</u>	ii			
Engineering Design		133	11-May-16 A	20-Sep-16 A	20-S	Sep-16 A	, Engineering	g Design							-						
CT50010	Engineering Design - 4.10 (3)	133	11-May-16 A	20-Sep-16 A	Engi	ineering	Design - 4.1 ec-16 Å, Pem	0 (3)													
Permitting		78	10-Sep-16 A	23-Dec-16 A		23-De	ec-16 A, Pem	nitting					1 1		-	1 1					
CT50260	FDOT Utility Pemit - 4.10 (3)	77	10-Sep-16 A	21-Oct-16 A	_	OT Utili	lity Permit - 4	.10 (3)													
CT50280	DERM Sewer Permit - 4.10 (3)	77	21-Sep-16 A	01-Dec-16 A		DERM	Sewer Perm	it - 4.10 (3)					1 1	1	İ						
CT50020	Permitting - 4.10 (3)	78	20-Sep-16 A	23-Dec-16 A			itting - 4.10 (-						
CT50270	City Of Miami Gardens Public Works Permit - 4.10 (3)	77	21-Sep-16 A	23-Dec-16 A]	1	- 1		4.10 (3)				1 1	- 1	į						
Procurement		111	28-Nov-16 A	26-Feb-17	_	2	6-Feb-17, Pr	dens Public Works Permit - ocurement													
CT80070	Design Documents Sent to Procurement - 4.10 (3)	0	28-Nov-16 A		•	: Desiah	: Documents	Sent to Procurement - 4.10	3)					i							
CT80150	Phase I Procurement (Emergency Project) - 4.10 (3)	6	30-Nov-16 A	05-Dec-16 A	1 1 1 1		1 1	nt (Emergency Project) - 4.10							-						
CT80080	Submit/Approve SBD Goals and Request to Advertise - 4.10 (3)	30	28-Nov-16 A	05-Jan-17	1 <u>-</u>			SBD Goals and Request to A	1 1	10(3)				- 1							
CT80090	Advertise Bid Package - 4.10 (3)	0	06-Jan-17		7 7		111	ckage - 4.10 (3)		.0(0)					-	1 1					- 1
CT80100	Bid Solicitation Period - 4.10 (3)	30	06-Jan-17	04-Feb-17	1			Period - 4.10 (3)													
CT80110	Bids Due - 4.10 (3)	0	05-Feb-17			1	ds Due - 4.10								-	1 1					
CT80120	Bid Review Period - 4.10 (3)	7	05-Feb-17	11-Feb-17	1			riod -4.10 (3)													
CT80130	Award Recommendation - 4.10 (3)	0		11-Feb-17	1	i i	1 1	1 71 1 1	1 1				1 1		į						
	Procurement - 4.10 (3)	105	28-Nov-16 A	26-Feb-17	1 1 1		1 1	mendation + 4.10 (3)							-						
C 150030	Final Approvals (BC C, Mayor, Risk Mgmt.) - 4.10 (3)	15	12-Feb-17	26-Feb-17	-		Procurement														
CT50030 CT80140			06-Dec-16 A	23-Nov-17		<u> </u>	ınal Approva	Is (BCC, Mayor, Risk Mgmt. 23-Nov-17, Construction) - 4.10 (3) 1												
CT80140			06-Dec-16 A	14-Jan-17	7		1 1								-						
CT80140 Construction	Phase I Construction (Emergency Project) - 4 10 (3)	40		T-Vall-17	_	Phạ:	se I Constru	ction (Emergency Project) - 4	.10 (3)		1 1		1 1	1	į.	1 1		1 1	1 1		i
CT80140 Construction CT80160	Phase I Construction (Emergency Project) - 4.10 (3)			25 Aug 17	1 : : :		1 1	i i i i	i i	i i	1 1	1 1	i i	1	i i	i i	i	i i	i i		
CT80140 Construction CT80160 CT50040	Construction - 4.10 (3)	286	06-Dec-16 A	25-Aug-17	_	+	-	Construction - 4.10 (3)													
CT80140 Construction CT80160 CT50040 CT80170	Construction - 4.10 (3) Construction (Remaining Scope of Work) - 4.10 (3)			25-Aug-17	_	Ė	-	Construction - 4.10 (3) Construction (Remaining Sco	pe of Work)	- 4.10 (3)											
CT80140 Construction CT80160 CT50040 CT80170 CT50050	Construction - 4.10 (3) Construction (Remaining Scope of Work) - 4.10 (3) Substantial Completion (Not Consent Decree) - 4.10 (3)	286 180 0	06-Dec-16 A 27-Feb-17	25-Aug-17 25-Aug-17				1 1 1 1 1 1	- i - i -	i i											
CT80140 Construction CT80160 CT50040 CT80170 CT50050 CT50060	Construction - 4.10 (3) Construction (Remaining Scope of Work) - 4.10 (3)	286 180 0 90	06-Dec-16 A	25-Aug-17			• s	Construction (Remaining Sco	Consent Dec	i i)				7467037		6274	0=	ns Project		

	ecree Schedule - December 2016 Update				out w Baseline (By Phase) 13-Jan-17 14:20 - Page No. 59 of 7
Activity ID	Activity Name	Original Duration	Start	Finish	2016 2017 2018 2019 2020 2021 2022 2023 2024 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
CT80000	Pre- Design - 4.10 (4)	150	12-Oct-16 A	10-Mar-17	
Engineering Design		150	11-Mar-17	07-Aug-17	Pre- Design: - 4.10:(4) 07-Aug-17, Engineering Design
CT80010	Engineering Design - 4.10 (4)	150	11-Mar-17	07-Aug-17	Engineering Design - 4.10 (4). C7-Aug-18, Permitting
Permitting CT80020	Permitting - 4.10 (4)	365 365	08-Aug-17	07-Aug-18 07-Aug-18	
	Periillung - 4.10 (4)	270	08-Aug-17 08-Aug-18	07-Aug-16 04-May-19	Permitting - 4-10 (4) 04 May 19, Procurement
Procurement CT80030	Procurement - 4.10 (4)	270	08-Aug-18	04-May-19	
Construction	, 100000 1110 (1)	640	05-May-19	02-Feb-21	Procurement -;4.10.(4) ▼ 02-Feb-21, Construction
CT80040	Construction - 4.10 (4)	550	05-May-19	04-Nov-20	Construction -4.10 (4)
CT80050	Substantial Completion (Not Consent Decree) - 4.10 (4)	0		04-Nov-20	◆ Substantial Completion (Not Consent Decree) - 4.10 (4)
CT80060	Project Closeout - 4.10 (4)	90	05-Nov-20	02-Feb-21	
5. Sewer Pump	Station System	3263	12-Dec-10 A	21-Oct-19	Project Claseout - 4 (10.(4). ▼ 21 Oct-19, 5. Sewer Pump Station System
5.01 Upgrade of I	PS#0418	1850	01-Nov-13 A	24-Nov-18	▼ 24-Nov-18, 5;01 Upgrade of PS#0418
Engineering Design		217	01-Nov-13 A	06-Jun-14 A	
PS51540	EPA Start Date for Engineering Design - Upgrade PS#0418	0	01-Nov-13 A		10418
PS10040	Engineering Design - Upgrade PS#0418	192	01-Nov-13 A	12-May-14 A	18
PS50820	EPA Compliance Date for Engineering Design - Upgrade PS#0418	0		06-Jun-14 A	Lipestynt - upgrade Po#q4 to
Permitting	EDIOL LD L C D W LL L DOWN	395	14-Jul-14 A	13-Aug-15 A	15 A, Ferminging
PS51550	EPA Start Date for Permitting - Upgrade PS#0418**	0	14-Jul-14 A	47 1 45 *	rade PS#0418**
PS50830	EPA Compliance Date for Permitting - Upgrade PS#0418**	0	24 1 44 4	17-Jun-15 A	ance Date for Permitting - Upgrade PS#0418**
PS10190	Permitting - Upgrade PS#0418	389 364	21-Jul-14 A 07-Jun-15 A	13-Aug-15 A 05-Jun-16 A	<u> </u>
Procurement PS51560	EPA Start Date for Procurement - Upgrade PS#0418**	364	07-Jun-15 A 07-Jun-15 A	05-Jun-16 A	
PS32740	Design Documents Sent to Procurement	0	18-Sep-15 A		tte for Procuie ment - Upgrade PS#0418**
PS32750	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0418	42	18-Sep-15 A	29-Oct-15 A	n Documents Sent to Procurement
PS32770	Advertise Bid Package - Upgrade PS#0418	0	30-Oct-15 A		mit/Approve SBD Goals and Request to Advertise - Upgrade PS#0418
PS32780	Bid Solicitation Period - Upgrade PS#0418	50	30-Oct-15 A	18-Dec-15 A	vertise Bid Package - Ungrade PS#0418 Bid Solicitation Period - Upgrade PS#0418
PS32790	Bids Due - Upgrade PS#0418	0	18-Dec-15 A		Bids Due - Upgrade PS#0418
PS32800	Bid Review Period - Upgrade PS#0418	98	19-Dec-15 A	25-Mar-16 A	Bid Review Period - Upgrade PS#0418
PS32810	Award Recommendation - Upgrade PS#0418	0		25-Mar-16 A	
PS10360	Procurement - Upgrade PS#0418	289	13-Aug-15 A	27-May-16 A	
PS32820	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0418	63	26-Mar-16 A	27-May-16 A	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrable PS#0418
PS50840	EPA Compliance Date for Procurement - Upgrade PS#0418	0		05-Jun-16 A	A FDA Complement Date & Designment Harmet DSW0449
Construction	Declaration of the control of the co	911	28-May-16 A	24-Nov-18	24-Nov-18, Construction
PS32830	Contractor Notice to Proceed (NTP) - Upgrade PS#0418	0	28-May-16 A		♦ Contractor Nptice to Proceed (NTP) - ψpgraφe PS#0418
PS51570	EPA Start Date for Construction - Upgrade PS#0418	0	06-Jun-16 A	47.11 40.4	◆ EPA Start Date for Construction - Upgrade PS#0418
PS11111 PS10550	City of Hialeah Completes Reroute of Gravity Mains from PS#418 to PS#200 Construction - Upgrade PS#0418	670	28-May-16 A	17-Nov-16 A 28-Mar-18	Use the properties of Gravity Mains from PS#418 to PS#200
PS10830	Substantial Completion (CD Compliance Date 11/24/18) - Upgrade PS#0418	070	20-Way-10 A	28-Mar-18*	Construction - Upgrade PS#0418
PS40770	Project Closeout - Upgrade PS#0418	90	29-Mar-18	26-Jun-18*	♦ Substantial Completion (CD Compliance Date 11/24/18) - Upgrade PS#0418
PS50850	EPA Compliance Date for Construction - Upgrade PS#0418	0	20 11101 10	24-Nov-18*	Project Closeout'- Upgrade PS#0418
Project Administration		1699	01-Nov-13 A		◆ EPA Compliance Date for Construction - Upprade PS#0418. ✓ 26-Jun-18, Project Administration
PS35360	WASD Project Administration - Upgrade PS#0418	1699	01-Nov-13 A	26-Jun-18	WAST Bridget Administration Ungarded BS#0449
5.02 Upgrade of F	PS#0691	1721	04-Aug-14 A	20-Apr-19	WASD Project Administration - Upgrade PS#0418 20-Apr-19, 5.02; Upgrade of PS#0691
Pre-Design		112	04-Aug-14 A	24-Nov-14 A	
PS20010	Pre-Design - Upgrade PS#0691	113	04-Aug-14 A	24-Nov-14 A	
Engineering De sign		989	07-Oct-14 A	21-Jun-17	▼ 21-Jun-17, Engineering Design
PS51580	EPA Start Date for Engineering Design - Upgrade PS#0691**	0	07-Oct-14 A		p Deşian - Uparade PS#0691**
PS20000	Basis of Design Report (BODR) - Upgrade PS#0691	178		22-May-15 A	Hit report (DODIT) Popping Programme 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PS31180	BODR Review Period - Upgrade PS#0691	26	25-May-15 A	19-Jun-15 A	
PS50860	EPA Compliance Date for Engineering Design - Upgrade PS#0691**	0	10 May 15 1	09-Sep-16 A	▼ EFA Compliance Date for Engineering Design - opgrade F3#0091
PS31240	Negotiate Scope & Fee of Remaining Design - Upgrade PS#0691	515	19-May-15 A	14-Jan-17	Negotiate Scope & Fee of Remaining Design - Upgrade PS#0691
PS31190 PS31200	30% Design Submittal - Upgrade PS#0691 30% Design Review - Upgrade PS#0691	50	15-Jan-17 06-Mar-17	05-Mar-17 19-Mar-17	30% Design Submittal - Upgrade PS#0691
PS31200 PS31210	60% Design Review - Opgrade PS#0691	50	20-Mar-17	08-May-17	□ 30% Design Review - Upgrade PS#0691
PS31210	60% Design Review - Upgrade PS#0691	14	09-May-17	22-May-17	60% Design Submittal - Upgrade PS#0691
PS10120	Engineering Design - Upgrade PS#0691	847	26-Nov-14 A	21-Jun-17	60% Design Review - Upgrade PS#0691 Engineering Design - Upgrade PS#0691
PS31230	100% Design Submittal - Upgrade PS#0691	30	23-May-17	21-Jun-17	
Permitting		1137	10-Aug-14 A	19-Sep-17	□ 100% Design Submittal - Upgrade PS#0691 7 19 Sep-17, Permitting
PS51590	EPA Start Date for Permitting - Upgrade PS#0691**	0	10-Aug-14 A		grade PS#0691**
PS50870	EPA Compliance Date for Permitting - Upgrade PS#0691	0		08-Mar-17*	
PS10280	Permitting - Upgrade PS#0691	90	22-Jun-17	19-Sep-17	Permitting: Upgrade P\$#0691
PS50680	RER Building Department Permit - Upgrade PS#0691	90	22-Jun-17	19-Sep-17	RER/Building Department Petmit - Upgrade PS#0691
PS50690	Municipal Building Permit - Upgrade PS#0691	90	22-Jun-17	19-Sep-17	Municipal Building Pernit - Upgrade PS#0691 O4-Feb-18. Proturement
Procurement		333	09-Mar-17	04-Feb-18	V 04-Feb-18, Procurement
PS51600	EPA Start Date for Procurement - Upgrade PS#0691	0	09-Mar-17*		◆ EPA \$tart Date for Procujement - Upgrade PS#0691
PS71840	Internal Bid Package Review - Upgrade PS#0691	3	20-Sep-17	22-Sep-17	Ii Internal Bid Package Review - Upgrade P\$#0691
PS32840	Design Documents Sent to Procurement - Upgrade PS#0691	0	23-Sep-17		◆ Design Documents Sent to Procurement - Upgrade PS#0691

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PS32850	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0691	30	23-Sep-17	22-Oct-17	Q1 Q2	Q0 Q7	Q1 Q2		Submit/Approv				: : :		QZ Q0 Q	7 01 02	Q5 Q7	Q1 Q2	QU QT	Q1
PS32870	Advertise Bid Package - Upgrade PS#0691	0	23-Oct-17		1				Advertise Bid I	1 1	1 1	1 1	e - Opgrade F	2#0091						
PS32880	Bid Solicitation Period - Upgrade PS#0691	30	23-Oct-17	21-Nov-17				; ;	Bid Solicitat	i i	i i	; ;								
PS32890	Bids Due - Upgrade PS#0691	0	22-Nov-17		1			: :	Bid Solicitat Bids Due - U	1 1	1 1	16091								
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PS32900	Bid Review Period - Upgrade PS#0691	15	22-Nov-17	06-Dec-17	1				- 1 1	; ;	1 1	; ;	: F3#U091							
PS32910	Award Recommendation - Upgrade PS#0691	0		06-Dec-17					■ Bid Review ◆ Award Rec	1 1	1 1	1 1						.		
PS10450	Procurement - Upgrade PS#0691	135	23-Sep-17	04-Feb-18			+		Procure									.		
PS32920	Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0691	60	07-Dec-17	04-Feb-18	1					1 1	i i	i i	Income do DO#6	601				. ! !		
Construction		503	04-Dec-17	20-Apr-19	ļ	+		:	- Final A	provas (bc.	20	Apr-19, Con	pgrade PS#0	09.1	-		1			†
PS51610	EPA Start Date for Construction - Upgrade PS#0691	0	04-Dec-17*						◆ EPA Start D	ate for Cone	truction Unc	mde DS#06	01							
PS32930	Contractor Notice to Proceed (NTP) - Upgrade PS#0691	0	05-Feb-18						i i	i i	Proceed (N7	i i	i i i					.		
PS10650	Construction - Upgrade PS#0691	350	05-Feb-18	20-Jan-19	1				Contrac	tor Notice to			de PS#0691							
PS10850	Substantial Completion (CD Compliance Date 1/27/19) - Upgrade PS#0691	0		20-Jan-19*						i i	┬ :		1 1 1	liana Data 1/27	(/10) Unamada Di	240001		.		
PS50890	EPA Compliance Date for Construction - Upgrade PS#0691	0		27-Jan-19*	1						i i	i i	i i i	ction - Upgrade F	7/19) - Upgrade PS	5#0091				
PS40780	Project Closeout - Upgrade PS#0691	90	21-Jan-19	20-Apr-19*								1 1		1 777	-2#0691					
Project Administration	`	1582	26-Nov-14 A	20-Apr-19							20	Apr-19, Proj	out - Upgrade ect Administr	ation	-		ff			†
PS35350	WASD Project Administration - Upgrade PS#0691	1582	26-Nov-14 A	20-Apr-19	1						· · · · · · · · · · · · · · · · · · ·	SD Project	Δdministration	n - Ungrade PS#	0601			: : :	-	
.03 Upgrade of P	S#0692	1693	04-Aug-14 A	23-Mar-19							23-N	lar-19, 5.03	Upgrade of P	n Upgrade PS# S#0692				·		1
Pre-Design		112	04-Aug-14 A	24-Nov-14 A			1	} <u>}</u>		}	t	} 	;;;							†
PS20080	Pre-Design - Upgrade PS#0692		04-Aug-14 A	24-Nov-14 A	0692															
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PS50900	EPA Compliance Date for Engineering Design - Upgrade PS#0692**	0		15-May-15 A	1	1 1	Design - Up	grade bo	#0692**									. '		
PS20090	Basis of Design Report (BODR) - Upgrade PS#0692	248	26-Nov-14 A	31-Jul-15 A	1 1	i i	Upgrade PS#	i i	70032									.		
PS20120	BODR Review Period - Upgrade PS#0692	68	03-Aug-15 A	09-Oct-15 A	1 1	1 1	ade PS#0692	: :												
PS31370	Negotiate Scope & Fee of Remaining Design - Upgrade PS#0692	277	21-Aug-15 A	23-May-16 A	JIX IXEVIEW	1 1			ng Design - Up	arade PS#06	302									
PS32110	60% Design Submittal - Upgrade PS#0692	99	24-May-16 A	30-Aug-16 A	-		. : :	: :	grade PS#0692	lauc r omoc							1	. ! !		
PS32120	60% Design Review - Upgrade PS#0692	7	31-Aug-16 A	06-Sep-16 A	1 ! -	1 1	Design Revie	!!!	1 1									: : :		
PS10140	Engineering Design - Upgrade PS#0692	695	26-Nov-14 A	08-Nov-16 A		1 00%			pgrade PS#069	2								. ! !	į	
PS20150	100% Design Submittal -Upgrade PS#0692	44	07-Sep-16 A	08-Nov-16 A						i i										
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PS51630	EPA Start Date for Permitting - Upgrade PS#0692**	0	10-Aug-14 A		grade PS#	10692**														
PS10300	Permitting - Upgrade PS#0692	64	08-Nov-16 A	31-Jan-17	grade i on		Pem	nitting - L	pgrade PS#069	2								.		
PS50700	RER Building Dept Permit - Upgrade PS#0692	64	08-Nov-16 A	31-Jan-17	1	1 1	1 1	ilding De	ot Permit - Upg	240 PS#060	9									
PS50910	EPA Compliance Date for Permitting - Upgrade PS#0692	0		31-Mar-17*		-				F	1 1	02						: : :		
Procurement		366	01-Feb-17	01-Feb-18			V Y D	COITIBILE	nce Date for Pe 01-Feb-	18, Procuren	nent 5#01		† <u>†</u> †				,			
PS71850	Internal Bid Package Review - Upgrade PS#0692	3	01-Feb-17	03-Feb-17	1		I Internal	: Bid Pack	age Review - U	harade PS#0	1692							: : :		
PS32940	Design Documents Sent to Procurement - Upgrade PS#0692	0	04-Feb-17				1 1	: :	nts Sent to Proc	1	!!!	92								
PS51640	EPA Start Date for Procurement - Upgrade PS#0692	0	01-Apr-17*		1				e for Produrem	1 1								. ! '		
PS32950	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0692	60	04-Feb-17	04-Apr-17			1 : :	: :	ve SBD Goals	1 1	1 1	- Ungrade F	S#0692					.		
PS32960	Advertise Bid Package - Upgrade PS#0692	0	05-Apr-17		1		1 1	!!!	Package - Up	! !	1 1	Opgilado	i i							
PS41080	Pre-Purchase Bid Package (Pumps, Motors & VFDs) - PS#0692	60	07-Feb-17*	07-Apr-17			1 1	; ;	Bid Package	i i	1 1	PS#0692								
PS41090	Advertise Pre-Purchase (Pumps, Motors & VFDs) - PS#0692	0	08-Apr-17				1 1	: :	-Purchase (Pur	1 1	1 1	! !						. ! !	i	
PS32970	Bid Solicitation Period - Upgrade PS#0692	60	05-Apr-17	03-Jun-17	1		1 1	i i	itation Period -	i i	1 1									
PS32980	Bids Due - Upgrade PS#0692	0	04-Jun-17		1			: :	- Upgrade PS#	' '	,5052							. '	i	
PS41100	Vendor Bid & Award (Pumps, Motors & VFDs) - PS#0692	60	08-Apr-17	06-Jun-17	1		1 1	!!!	id & Award (Pu	! !	& VEDe \ DO	#0603						. ! !		
PS32990	Bid Review Period - Upgrade PS#0692	30	04-Jun-17	03-Jul-17	1		i i	i i	view Period - U	11 1	1 11									
PS33000	Award Recommendation - Upgrade PS#0692	0		03-Jul-17	1		1 1	: :	1 1	1 1	1 1									
PS50920	EPA Compliance Date for Procurement - Upgrade PS#0692	0		05-Aug-17*	1				Recommendat Compliance D	1 1	1 1	rade Distract	a's						į	
PS10470	Procurement - Upgrade PS#0692	210	04-Feb-17	01-Sep-17	1				compliance D			auc 1 0#00	7					. '		i
PS33010	Final Approvals (BC C, Mayor, Risk Mgmt.) - Upgrade PS#0692	60	04-Jul-17	01-Sep-17	1					1 !		Hormet - C								
PS41070	Pre-Purchase Pumps, Motors & VFDs - PS#0692	360	07-Feb-17	01-Feb-18	1			;FII	nal Approvals (E	1 1	1 1		1 1 1					. ! !		
PS41110	Fabricate & Deliver Pumps, Motors & VFDs - PS#0692	240	07-Jun-17	01-Feb-18	1					1 1	s, Motors & \									
Construction	• • • • • • • • • • • • • • • • • • • •	595	06-Aug-17	23-Mar-19	<u> </u>	· 			Fablica	⊭ & Deliver I	Pumps, Moto 23-N	us_&_VFDs lar-19, Cons	rら#Ub92 truction							+
PS51650	EPA Start Date for Construction - Upgrade PS#0692		06-Aug-17*					A Fba	1 1	1	1 1									
PS33020	Contractor Notice to Proceed (NTP) - Upgrade PS#0692	0	02-Sep-17		1			i i	Start Date for C	i i	i i	i i								1
PS10670	Construction - Upgrade PS#0692	478	02-Sep-17	23-Dec-18				₹ .00	ntractor Notice	io Proceed (, ,	de PS#0692							
PS10860	Substantial Completion (CD Compliance Date 1/27/19) - Upgrade PS#0692	0	•	23-Dec-18*	1				1 1	1 1 .		1	1 1 1	b-+- d/0=	d 112	ocho		. '	į	1
PS50930	EPA Compliance Date for Construction - Upgrade PS#0692	0		27-Jan-19*	1					'	i i	i i	i i i	i i	9) - Upgrade PS#	U092				
PS40790	Project Closeout - Upgrade PS#0692	-	24-Dec-18	23-Mar-19*	1							1.7		ction - Upgrade F	/S#0692			. '		
Project Administration			26-Nov-14 A	23-Mar-19		+					Proje	ct Closeout lar-19, Proie	L-Upgrade PS ct Administra	#0692ion						
PS35340	WASD Project Administration - Upgrade PS#0692		26-Nov-14 A	23-Mar-19							1 1		1 1	1 1	ob			. ! !		
	of Switchgear PS#0414		07-Oct-14 A	25-Jun-18						25-Jun-18	, 5.04 Repla	Hoject Ai cement of S	umınıstration witchgear PS	- Upgrade PS#06 #0414	9K					†
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	, wany many	Duration	Start	7 1111311	Q1 Q2 Q3 Q4		Q4 Q1		Q4 Q1		Q3 Q4					Q4 Q1		Q4
PS50940	EPA Compliance Date for Engineering Design - PS#0414**	0		13-May-15 A	ce Date for Engineering	Design - PS#0414	**											
PS20001	Basis of Design Report (BODR) - PS#0414	114	09-Feb-15 A	02-Jun-15 A	ign Report (BODR) - PS#													
PS20011	BODR Review Period - PS#0414	34	03-Jun-15 A	06-Jul-15 A	iew Period - PS#0414													
PS31250	Negotiate Scope & Fee of Remaining Design - PS#0414	153	08-Jul-15 A	07-Dec-15 A	Negotiate Scope & Fee	Remaining Design	n - PS#041	14										
PS20021	30% Design Submittal - PS#0414	74	29-Sep-15 A	11-Dec-15 A	30% Design Submittal -	1 1 1										. !		
PS20031	30% Design Review - PS#0414	12	12-Dec-15 A	23-Dec-15 A	30% Design Review - P													
PS20041	60% Design Submittal - PS#0414	47	24-Dec-15 A	08-Feb-16 A	60% Design Submit													
PS20051	60% Design Review - PS#0414	22	08-Feb-16 A	29-Feb-16 A	■ 60% Design Revie	i i i										. ! '		
PS10100	Engineering Design - PS#0414	416	09-Feb-15 A	30-Mar-16 A	Engineering Des													
PS20061	100% Design Submittal - PS#0414	45	15-Feb-16 A	30-Mar-16 A	100%_Design_Su	mittal - PS#0414		1	ll							! '	<u> </u>	11
Permitting		629	14-May-15 A	31-Jan-17		▼ 31-Jan-17, Per	mitting											
PS51670	EPA Start Date for Permitting - PS#0414**	0	14-May-15 A		for Permitting - P\$#041	**										. '		
PS50370	DERM Pemit Submittal - PS#0414	0	25-May-16 A		◆ DERM Permi	Submittal - PS#0	414											1 1
PS50390	Derm Permit Submittal Review - PS#0414	16	25-May-16 A	09-Jun-16 A	■ Derm Permi	Submittal Review	v - 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 Prepare	s/Submits Respo	nses to DEI	RM Permit Su	ıbmittal - Ps	S#0414								
PS50380	Municipality Bldg. Dept. Submittal - PS#0414	0	30-Sep-16 A		♦ Mun	cipality Bldg. Dep	t. Submittal	- PS#0414										
PS50410	Municipality Bldg. Dept. Submittal Review - PS#0414	31	30-Sep-16 A	30-Oct-16 A	_ м	nicipality Bldg. De	pt. Submitt	tal Review - P	S#0414							. ! '		
PS50450	DERM Permit Approval - PS#0414	92	30-Jun-16 A	12-Dec-16 A		DERM Pemit App	roval -PS#	0414										
PS50440	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0414	10	30-Nov-16 A	04-Jan-17		_A/E Prepares/Su	i i	1 1	nicipality Bl	da. Dept. S	Submittal	PS#0414				. !		
PS10250	Permitting - PS#0414	190	25-May-16 A	13-Jan-17		Permitting - PS										. ! '		
PS50460	Municipality Bldg. Dept. Submittal Approval - PS#0414	9	05-Jan-17	13-Jan-17		Municipality Blo	lg. Dept. Su	bmittal Appro	val - PS#04	14								
PS50950	EPA Compliance Date for Permitting - PS#0414	0		31-Jan-17*		◆ EPA Complian 27-Mar-17,		1 1	1 1							<u> </u>	jjj	ll
Procurement		672	08-Jun-15 A	27-Mar-17		27-Mar-17,	Procureme	nt										
PS51680	EPA Start Date for Procurement - PS#0414**	0	08-Jun-15 A		te for Proculement - PS	0414**										. ! '		
PS32290	Design Documents Sent to Procurement - PS#0414	0	15-Nov-16 A		• □	esign Documents	Sent to Pro	curement - P	S#0414									
PS32300	Submit/Approve SBD Goals and Request to Advertise - PS#0414	15	15-Nov-16 A	16-Jan-17		Submit/Approve	SBD Goals	s and Reques	t to Adverti	se - PS#04	14					. ! '		
PS32310	Advertise Bid Package - PS#0414	0	17-Jan-17		1 1 1 1	Advertise Bid P		1 1										
PS32320	Bid Solicitation Period - PS#0414	30	17-Jan-17	15-Feb-17		Bid Solicitation	i i	1 1								. ! '		1 1
PS32330	Bids Due - PS#0414	0	16-Feb-17			♦ Bids Due - PS										. ! '		
PS32340	Bid Review Period - PS#0414	7	16-Feb-17	22-Feb-17		Bid Review F		0414								. ! '		1 1
PS32350	Award Recommendation - PS#0414	0		22-Feb-17		◆ Award Recor		1 1								'		
PS50960	EPA Compliance Date for Procurement - PS#0414	0		05-Mar-17*		◆ EPA Compli	!	1 1	nt-PS#04	14								
PS10420	Procurement - PS#0414	121	15-Nov-16 A	27-Mar-17		Procureme	nt - PS#04	14		T i						. ! '		
PS32360	Final Approvals (BC C, Mayor, Risk Mgmt.) - PS#0414	33	23-Feb-17	27-Mar-17		1 1 1		1 1	Mamt\ DS	#0414								
Construction		477	06-Mar-17	25-Jun-18		Final Appro	1403. (DCC.	25-J	un-18, Con	struction								
PS51690	EPA Start Date for Construction - PS#0414	0	06-Mar-17*			◆ EPA Start Da	te for Cons	truction - PS	#0414									
PS32370	Contractor Notice to Proceed (NTP) - PS#0414	0	28-Mar-17		1	◆ Contractor		1 1	1 1									
PS10610	Construction - PS#0414	365	28-Mar-17	27-Mar-18		Conjuctor	1101100 101		ction - PS	0414								
PS10770	Substantial Completion (CD Compliance Date 5/09/18) - PS#0414	0		27-Mar-18*	1			Substantia	d Completi	on (CD Cor	mnliance l) 12ta 5/00/18	DS#0414					
PS50970	EPA Compliance Date for Construction - PS#0414	0		09-May-18*				◆ EPA Co	i i	1 1	i i	i i	7-1 9#0417					
PS40800	Project Closeout - PS#0414	90	28-Mar-18	25-Jun-18*				1 1	1 1			10,0414						1 1
Project Administration		1271	09-Feb-15 A	25-Jun-18		! ! !		Proi 25-J	un-18, Proj	ect Admini	stration			1 1 1				1 1
PS35330	WASD Project Administration - PS#0414	1271	09-Feb-15 A	25-Jun-18				WA:	SD Project	Administrat	tion - PS#0	414						1 1
05 Replacement	of Switchgear and Rehabilitation of Wetwell PS#0415	1632	10-Aug-14 A	27-Jan-19					20211010012	7-Jan-19,	5.05 Rep	acement of S	witchgear and F	Rehabilitation of Wet	well PS#0415]	T
Pre-Design		133	26-Sep-14 A	06-Feb-15 A	ign			†	ii					-			ii	††
PS20250	Pre-Design - PS#0415	134	26-Sep-14 A	06-Feb-15 A												. '		
Engineering Design		601	07-Oct-14 A	30-May-16 A	30-May-16 A	Engin eering Desi	gn	7	} <u>}</u>								{{	ŤŤ
PS51700	EPA Start Date for Engineering Design - PS#0415**	0	07-Oct-14 A		g Design - PS#0415**													1 1
PS20002	Basis of Design Report (BODR) - PS#0415	127	09-Feb-15 A	15-Jun-15 A	sign Report (BODR) - PS	0415			i i									
PS20012	BODR Review Period - PS#0415	120	16-Jun-15 A	13-Oct-15 A	DR Review Period - PS#0													
PS31260	Negotiate Scope & Fee of Remaining Design - PS#0415	134	27-Jul-15 A	07-Dec-15 A	Negotiate Scope & Fee		n D9#041	15								. ! '		
PS20022	30% Design Submittal - PS#0415	76	14-Oct-15 A	28-Dec-15 A	30% Design Submittal		JII - F 3#04 I											
PS20032	30% Design Review - PS#0415	14	29-Dec-15 A	11-Jan-16 A	30% Design Submittal	1 1 1										. '		1
PS20042	60% Design Submittal - PS#0415	46	12-Jan-16 A	26-Feb-16 A	60% Design Rewew -													
PS20052	60% Design Review - PS#0415	14	27-Feb-16 A	11-Mar-16 A	60% Design Revie											. !		
PS50980	EPA Compliance Date for Engineering Design - PS#0415**	0		24-Apr-16 A	◆ EPA Complian		ring Deci-	n - DS#041F*								. ! '		
PS10110	Engineering Design - PS#0415	477	09-Feb-15 A	30-May-16 A		e Date for Engine Design - PS#0415												
PS20062	100% Design Submittal - PS#0415	80	12-Mar-16 A	30-May-16 A		71 1 1	: :									. ! '		
Permitting		906	10-Aug-14 A	31-Jan-17	100% Desig	Supmittal + PS#0 ■ 31-Jan-17, Per	mitting		·					-11		:	1	1
PS51710	EPA Start Date for Permitting - PS#0415**	0	10-Aug-14 A		#041F**											. ! '		
PS50250	DERM Permit Submittal - PS#0415	0			#0415**	Cubmitt-I DO	445									, '		1
PS50270	Dem Pemit Submittal Review - PS#0415	62	01-Jun-16 A	01-Aug-16 A	1 1 1 1	Submittal - PS#0		445										
PS50310	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0415	31	02-Aug-16 A	01-Sep-16 A	1 1 1	mit Submittal Re					_					, '		1
PS50260	Municipality Bldg. Dept. Submittal - PS#0415	0	28-Sep-16 A	5. 50p 10 A	1 1 1	pares/Submits Re			ut Submitta	ı - PS#041	5							
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PS50330 PS50290	DERM Permit Approval - PS#0415 Municipality Bldg. Dept. Submittal Review - PS#0415	26	02-Sep-16 A 28-Sep-16 A	01-Jan-17		DERM Permit App Municipality Bld		1 1										

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S10270	Permitting - PS#0415	181	31-May-16 A	13-Jan-17			_	Permitting - PS#0																+
550340	Municipality Bldg. Dept. Submittal Approval - PS#0415	8	06-Jan-17	13-Jan-17			N 1	Junicipality Bldg. I	Dept. Submit	ttal Appro	val - PS#0	04 15						1 1					į	
S50990	EPA Compliance Date for Permitting - PS#0415	0		31-Jan-17*	1 !			1 1 1	1 1		: :												1	
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332380	Design Documents Sent to Procurement - PS#0415	0	17-Nov-16 A				♦ Desi	gri Documents: Se	nt to Produre	ement - PS	S#0415													
551720	EPA Start Date for Procurement - PS#0415	0	03-Dec-16 A					Start Date for Pro															-	- 1
532390	Submit/Approve SBD Goals and Request to Advertise - PS#0415	30	17-Nov-16 A	19-Jan-17	1 !			Submit/Approve SE	i i	i i	t to Adve	rtise - PS#	0415											
532400	Advertise Bid Package - PS#0415	0	20-Jan-17		1			Advertise Bid Pack	1 1	1 1	i to Adve	11130 - 1 011	0415											
632410	Bid Solicitation Period - PS#0415	30	20-Jan-17	18-Feb-17				Bid Solicitation F	- 15	i i								1 1					1	
532420	Bids Due - PS#0415	0	19-Feb-17					1 1 1		04 10														
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632440	Award Recommendation - PS#0415	0		05-Mar-17	-			Bid Review Per	i i	i i	1							1 1					- 1	
S51000	EPA Compliance Date for Procurement - PS#0415	0		19-Apr-17*	-		١,	 Award Recomm 	1 1	1														
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332450	Final Approvals (BC C, Mayor, Risk Mgmt.) - PS#0415	45	06-Mar-17	19-Apr-17				Final Approv	als (BC.C. Ma	ayo'r, Risk	Mgmt.).	PS#0415					4	- -						<u>.</u> .
struction		648	20-Apr-17	27-Jan-19						-	1 1	27-Jan-1	9, Constru	ction										
332460	Contractor Notice to Proceed (NTP) - PS#0415	0	20-Apr-17					◆ Contractor N	otice to Proc	ceed (NTF) - PS#04	115			1							1 1	1	- 1
551730	EPA Start Date for Construction - PS#0415	0	20-Apr-17*					◆ EPA Start Da	te for Constr	ruction - F	S#0415													
S10640	Construction - PS#0415	550	20-Apr-17	21-Oct-18	_							Construc	tion - PS#	0415	i			i i			-	1 1	į	
S10870	Substantial Completion (CD Compliance Date 1/27/19) - PS#0415	0		21-Oct-18*]						♦ Subst	tantial Co	mpletion (CD Compli	ance Da	te 1/27/19) -	PS#0415							
540000	Project Closeout - PS#0415	90	22-Oct-18	19-Jan-19*	1						i i	i i	loseout -	i i										
S51010	EPA Compliance Date for Construction - PS#0415	0		27-Jan-19*	1						1 1	1.5			netrijetio	DS#0/15								
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335320	WASD Project Administration - PS#0415	1391	09-Feb-15 A	19-Jan-19		! !			1 1		: :	WASDD	miect Adm	injetation	_ DQ#04.	15		1 1					1	
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		0	07-0CI-14A	12 May 15 A	g Design -	PS#0416*	*																	
S51020	EPA Compliance Date for Engineering Design - PS#0416**		00 5 1 45 4	13-May-15 A	_ce Date fo	or Engin een	ing Des	ign - PS#0416**																
330600	Basis of Design Report (BODR) - PS#0416	117	06-Feb-15 A	02-Jun-15 A	ign Report	(BODR) - F	PS# <mark>041</mark>	6																
330610	BODR Review Period - PS#0416	34	03-Jun-15 A	06-Jul-15 A	_iew Period	d - PS#0416	6			- 1					- 1								- 1	- 1
531270	Negotiate Scope & Fee of Remaining Design - PS#0416	153	08-Jul-15 A	07-Dec-15 A	Negotiate	Scope & Fe	ee of Re	emaining Design -	PS#0416															
30620	30% Design Submittal - PS#0416	77	29-Sep-15 A	14-Dec-15 A		gn Submitt																		
S30630	30% Design Review - PS#0416	10	15-Dec-15 A	24-Dec-15 A	1 :	ign Review					: :							1 1				1 1	1	- 1
S30640	60% Design Submittal - PS#0416	46	25-Dec-15 A	08-Feb-16 A	1 1	Design Sub		i i i																
330650	60% Design Review - PS#0416	21	09-Feb-16 A	29-Feb-16 A	1 1	Design Sub		1 1 1																
S10080	Engineering Design - PS#0416	474	06-Feb-15 A	24-May-16 A				ign - PS#0416																
S30660	100% Design Submittal - PS#0416	99	16-Feb-16 A	24-May-16 A	- 1	1 1		1 1 1		i														
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S50150	Dem Permit Submittal Review - PS#0416	-		16 Jun 16 A		- 1		ibmittal - PS#0416	- 1 1															ij
			25-May-16 A	16-Jun-16 A	_	Dem Pe	erm <mark>i</mark> t Sı	ubmittal Review - I	PS#0416						- 1								- 1	- 1
S50190	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0416	77	17-Jun-16 A	01-Sep-16 A	-	A/E	E Pr <mark>e</mark> pa	res/Submits Resp	onses to DE	RM Perm	iit Submit	ttal - PS#0	416										1	- }
350120	Bldg. Dept. Permit Submittal - PS#0416	0	29-Sep-16 A		1	♦ E	3ld <u>a</u> . De	ept. Permit Submit	tal - PS#0416	6			ĺ		į							1		
350160	Bldg. Dept. Permit Submittal Review - PS#0416	30	29-Sep-16 A	22-Nov-16 A	1	=	Bldg	. Dept. Permit Sub	mittal Revie	w - PS#0	416							1 1						i
350210	DERM Permit Approval - PS#0416	27	02-Sep-16 A	14-Dec-16 A				RM Permit Approv															1	- }
S50180	A/E Prepares/Submits Responses to Bldg. Dept. Permit Submittal - PS#0416	7	23-Nov-16 A	04-Jan-17	_			/E Prepares/Subm	- 1	i	a. Dept. P	emit Sub	mittal - PS	S#0416							į			
S10230	Permitting - PS#0416	200	24-May-16 A	13-Jan-17				Permitting - P\$#0		2.0					}			1 1					1	i
350230	Bldg. Dept. Permit Approval - PS#0416	9	05-Jan-17	13-Jan-17	1 []		Ţ, ,	Bldg. Dept. Permit	Annoval Do	S#0416														- 1
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S51760	EPA Start Date for Procurement - PS#0416**	0	08-Jun-15 A	27.1101117	10.5										1									- {
332470	Design Documents Sent to Procurement - PS#0416	0	15-Nov-16 A		_te for Proc	urement - F		1 1 1															į	
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32490	Advertise Bid Package - PS#0416	0	18-Jan-17	40 = 1 :=	-		♦ /	Advertise Bid Pack	age - PS#04	116					!								1	
332500	Bid Solicitation Period - PS#0416	30	18-Jan-17	16-Feb-17	-			Bid Solicitation F	Period - PS#0	0416			ĺ		į						-	1 1		
332510	Bids Due - PS#0416	0	17-Feb-17		_		•	Bids Due - P\$#0	416		1							1 1					1	- 1
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S32550	Contractor Notice to Proceed (NTP) - PS#0416	0	29-Mar-17		1		•	EPA Start Date for	i i	i i	i i				!			1 1			-			- 1
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PS40810	Project Closeout - PS#0416	90	29-Mar-18	26-Jun-18*					i	1 1	1 1		1 1	100000				İ			i	
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7 Replacement	of Switchgear and Rehabilitation of Wetwell PS#0417	1632	10-Aug-14 A	27-Jan-19						ļļ		▼ 27-Jan-	19, 5.07 Re			Renabilitatio		veli PS#041	1/	11		ļļ
e-Design		128	30-Sep-14 A	05-Feb-15 A	ign																	
PS20270	Pre-Design - PS#0417	129	30-Sep-14 A	05-Feb-15 A	7	7 30-May-16	A Frank			ļļ			ļļ						ļļ	44.		ļļ
ngineering Design	EDA Otad Data for Fundamentary Doctors DOWOAA744	601	07-Oct-14 A	30-May-16 A	-	30-IVIAY-16	A Engine	ering Desig	gn													
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°S30670	Basis of Design Report (BODR) - PS#0417	130	06-Feb-15 A	15-Jun-15 A	_sign Repo	ort (BODR) - P	S#0417													1 1		
PS30680	BODR Review Period - PS#0417	120	16-Jun-15 A	13-Oct-15 A	_DR Reviev	v Period - PS	#0417		į											1 1		
PS31280	Negotiate Scope & Fee of Remaining Design - PS#0417	147	23-Jul-15 A	16-Dec-15 A		Scope & Fe			gn - PS#04	17												
PS30690	30% Design Submittal - PS#0417	76	14-Oct-15 A	28-Dec-15 A	30% Des	sign Submitta	al - PS#04	117												1 1		
PS30700	30% Design Review - PS#0417	15	29-Dec-15 A	12-Jan-16 A	30% De	esign Review	- PS#041	17	į			į								1 1	į	
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PS51060	EPA Compliance Date for Engineering Design - PS#0417**	0	00 5 1 45 4	16-Apr-16 A		PA Compliar				n - PS#0417	**											
PS10130	Engineering Design - PS#0417	480	06-Feb-15 A	30-May-16 A	- 1	Engineerin														1 1		
S30730	100% Design Submittal - PS#0417	78	14-Mar-16 A	30-May-16 A		100% Desi	igh Subm	ittal + PS#0	417 mitting				ļ 							ļļ.		
rmitting S51790	EPA Start Date for Permitting - PS#0417**	906	10-Aug-14 A 10-Aug-14 A	31-Jan-17	- 1		1	, , , , , , , , , , , , , , , , , , ,				!										}
S50020	DERM Permit Submittal - PS#0417	0	31-May-16 A		#0417**				-			1								1 1		}
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S50030	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0417	79	15-Jun-16 A	01-Sep-16 A	-	Demi Pen		1 1		1 1										1 1		
S50070	Bldg. Dept. Permit Submittal - PS#0417	0	29-Sep-16 A	01-0cp-10 A	-	i i	1 1	1 1	- 1	DERM Pe	rmit Subn	mittal - PS#	0417							1 1	i	
S50100	DERM Permit Approval - PS#0417	27	02-Sep-16 A	17-Nov-16 A	\dashv	♦ Blo		Permit Sub	!	!!!												
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S10290	Permitting - PS#0417	194	30-May-16 A	13-Jan-17	1	1 1				onses to B	ldg. Dept.	. Pem it Su	bmittal - PS	#0417 <u> </u>						1 1		
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S51800	EPA Start Date for Procurement - PS#0417	0	01-Feb-17*		-		1	ertise Bid Pa	***	i i										1 1		
S32590	Bid Solicitation Period - PS#0417	30	19-Jan-17	17-Feb-17	-			: :		ment - PS#	0417	-										
S32600	Bids Due - PS#0417	0	18-Feb-17		1		_ ;	d Solicitation		PS#0417		į								1 1		
S32610	Bid Review Period - PS#0417	14	18-Feb-17	03-Mar-17	-		1	ds Due - P\$	- 1			-								1 1		
S32620	Award Recommendation - PS#0417	0		03-Mar-17	-			id Review F	!	!!!	_											
S10460	Procurement - PS#0417	108	09-Dec-16 A	10-Apr-17	1			ward Recor Procurem		n - PS#041 417	'											
S32630	Final Approvals (BC C, Mayor, Risk Mgmt.) - PS#0417	38	04-Mar-17	10-Apr-17	1			1 1	- 1	1 1	.1. 1		<u>.</u>							1 1		
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nstruction		657	11-Apr-17	27-Jan-19	 †		\$	EPA_Com	pliance Da	te for Procu	rement - l	PS#0417 ▼ 27-Jan-	19, Construc	tion	 					††-		
S32640	Contractor Notice to Proceed (NTP) - PS#0417	0	11-Apr-17		1			Contractor	r Notico to	Proceed (N	TD\ DC#(0417								1 1		
S51810	EPA Start Date for Construction - PS#0417	0	17-Apr-17*		1			- 1 1	- :	1 1	- 1 - 1	i i										
PS10660	Construction - PS#0417	550	11-Apr-17	12-Oct-18	1			LINSIAIT	Date 101 C	onstruction	- г _т о#04 I		ction - PS#0	417								-
S10880	Substantial Completion (CD Compliance Date 1/27/19) - PS#0417	0	· · ·	12-Oct-18*	1		"	1 1	i		♠ Cult	1	1 1	1 1	Date 1/27/19)	_ DS#0417		į			i	-
S40820	Project Closeout - PS#0417	90	13-Oct-18	10-Jan-19*	1								loseout - PS	1 1	Date 1/2// 19)	- i O#O411						-
S51090	EPA Compliance Date for Construction - PS#0417	0		27-Jan-19*	1						1 1	1	1 1	1 1	iction - PS#0/1	7						-
oject Administration		1394	06-Feb-15 A	10-Jan-19						+	·····	▼ 10-Jan-1	9, Project Ad	iministration	ction - PS#041	J			jj	11-		†
S35300	WASD Project Administration - PS#0417	1394	06-Feb-15 A	10-Jan-19			i			: :		WASDE	roject Admir	istration - Ps	#∩417					1 1		
Replacement	of Electrical and Mechanical Equipment in PS#0107	1632	10-Aug-14 A	27-Jan-19		1 1				1		▼ 27-Jan-	19, 5.08 Re	placement of	#0417 Electrical and N	Mechanical E	quipment i	in PS#0107	7	1		1
e-Design		63	06-Apr-15 A	08-Jun-15 A	Pre-Desi	gn														1		-
S20470	Pre-Design - PS#0107	64	06-Apr-15 A	08-Jun-15 A	PS#0107				1			1								1 1		
jineering Design		704	07-Oct-14 A	09-Sep-16 A	10000	09-8	Sep-16 A,	Engineering	Design	1									1	1		-
S51820	EPA Start Date for Engineering Design - PS#0107**	0	07-Oct-14 A		g Design	- PS#0107**						i 1 1										1
S30760	30% Design Submittal - PS#0107	25	09-Jun-15 A	03-Jul-15 A		tal - PS#0107						į										-
S30770	30% Design Review - PS#0107	6	04-Jul-15 A	09-Jul-15 A	1 :	-PS#0107			-			1 1 1								1 1		1
S30780	60% Design Submittal - PS#0107	32	10-Jul-15 A	10-Aug-15 A		nittal - P\$#01	07					ļ										-
S30790	60% Design Review - PS#0107	7	11-Aug-15 A	17-Aug-15 A		ew - PS#010						!										-
S30800	100% Design Submittal - PS#0107	37	11-Aug-15 A	16-Sep-15 A	1 1	submittal - PS	1 1		i			į										-
S10150	Engineering Design - PS#0107	100	08-Jun-15 A	16-Sep-15 A	. Dosigii o			Design - PS	#0107			!										}
S51100	EPA Compliance Date for Engineering Design - PS#0107	0		09-Sep-16 A	1	1 1 1	1	1 1	!	na Desian	- PS#010	7								1		}
rmitting		942	10-Aug-14 A	08-Mar-17	1		V;0	8-Mar-17, P	emitting	ng Design.	ווענטייים ייי			1 1			1 1	1	1 1	1 1		-
S51830	EPA Start Date for Permitting - PS#0107**	0	10-Aug-14 A		#0107**							1 1 1									- 1	-
S10310	Permitting - PS#0107	164	13-Oct-15 A	24-Mar-16 A		1 1	 -	emitting -	PS#0107			į										
S51110	EPA Compliance Date for Permitting - PS#0107	0		08-Mar-17*		1 1	1	1 1	1	for Permitti	1		1 1	1 1		1 1	- i - i	1	: :	1 1	1	1

ty ID	ree Schedule - December 2016 Update	Original	Start	Finish	ut w Baseline (By	2017 2018	13-Jan-17 14:20 - Page No. 64
'ID	Activity Name	Original Duration	Start	FINISH			2019 2020 2021 2022 2023 Q1 Q2 Q3 Q4 Q1 Q3 Q4 Q1 Q3
Procurement		620	24-Mar-16 A	03-Dec-17	Q1 Q2 Q0 Q1	03-Dec-17, Procurement	41 42 40 47 41 41 42 40 47 41 41 41 41 41 41 41 41 41 41 41 41 41
PS33030	Design Documents Sent to Procurement - PS#0107	0	12-Apr-16 A		Design Docum	ments Sent to Procurement - PS#0107	
PS33040	Submit/Approve SBD Goals and Request to Advertise - PS#0107	13	12-Apr-16 A	24-Apr-16 A		ove SBD Goals and Request to Advertise - PS#0107	
PS33050	Advertise Bid Package - PS#0107	0	25-Apr-16 A		1 1 1 1 1 1	I Package - PS#0107	
PS33060	Bid Solicitation Period - PS#0107	43	25-Apr-16 A	06-Jun-16 A		tation Period - PS#0107	
PS33070	Bids Due - PS#0107	0	07-Jun-16 A		♦ Bids Due -		
PS33080	Bid Review Period - PS#0107	15	07-Jun-16 A	21-Jun-16 A	1 1 1 1	ew Period - PS#0107	
PS33090	Award Recommendation - PS#0107	0		29-Jul-16 A	1 1 1 1	Recommendation - PS#0107	
PS10480	Procurement - PS#0107	174	24-Mar-16 A	13-Sep-16 A	7,1,4,4	Procurement - PS#0107	
PS33100	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0107	46	30-Jul-16 A	13-Sep-16 A	Fina	al Approvals (BCC, Mayor, Risk Mgmt.) - PS#0107	
PS51530	P.O. Issued - PS#0107	0		13-Sep-16 A		0. Issued - PS#0107	
PS51840	EPA Start Date for Procurement - PS#0107	0	09-Mar-17*		1	◆ EPA Start Date for Proculement - PS#0107	
PS51120	EPA Compliance Date for Procurement - PS#0107	0		03-Dec-17*	1		or Procurement - PS#0107
Construction		819	20-Oct-16 A	27-Jan-19	-	◆ EPA Compliance Date fo	▼ 27-Jan-19, Construction
PS33110	Contractor Notice to Proceed (NTP) - PS#0107	0	20-Oct-16 A		♦ c	Contractor Notice to Proceed (NTP) - PS#0107	
PS10680	Construction - PS#0107	300	20-Oct-16 A	15-Aug-17]		Construction - PS#0107
PS10890	Substantial Completion (CD Compliance Date 1/27/19) - PS#0107	0		15-Aug-17*		◆ Substantial Completion (CD Co	mpliance Date 1/27/19) - PS#0107
PS40830	Project Closeout - PS#0107	90	16-Aug-17	13-Nov-17*		Project Closeout - PS#010	07
PS51850	EPA Start Date for Construction - PS#0107	0	04-Dec-17*			◆ EPA Start Date for Const	truction - PS#0107
PS51130	EPA Compliance Date for Construction - PS#0107	0		27-Jan-19*			◆ EPA Compliance Date for Construction - PS#0107
Project Administration		996	09-Jun-15 A	13-Nov-17		13-Nov-17, Project Admin	istration
PS35290	WASD Project Administration - PS#0107	996	09-Jun-15 A	13-Nov-17	1 1 1	WASD Project Administra	ation - PS#0107
.09 Replacement o	of Pumping and Electrical Equipment at PS#0301	1897	08-Sep-14 A	21-Oct-19			21-Oct-19, 5.09 Replacement of Pumping and Electrical Equipment at PS#0301
Pre-Design		73	08-Sep-14 A	20-Nov-14 A			
PS20280	Pre-Design - PS#0301	74	08-Sep-14 A	20-Nov-14 A			
Engineering Design		595	07-Oct-14 A	24-May-16 A	24-May-16 A	A, Engineering Design	
PS51860	EPA Start Date for Engineering Design - PS#0301**	0	07-Oct-14 A		g Design - PS#0301**		
PS30810	Basis of Design Report (BODR) - PS#0301	151	24-Nov-14 A	23-Apr-15 A	Report (BODR) - PS#0	0301	
PS51260	EPA Compliance Date for Engineering Design - PS#0301**	0		13-May-15 A	ce Date for Engineering	ng Desigh - PS#0301**	
PS30820	BODR Review Period - PS#0301	39	24-Apr-15 A	01-Jun-15 A	w Period - PS#0301		
PS31290	Negotiate Scope & Fee of Remaining Design (HDR) - PS#0301	67	17-May-15 A	22-Jul-15 A	Scope & Fee of Remai	airling Design (HDR) - PS#0301	
PS30830	30% Design Submittal - PS#0301	92	23-Jul-15 A	22-Oct-15 A	% Design Submittal - P		
PS30840	30% Design Review - PS#0301	8	23-Oct-15 A	30-Oct-15 A	% Design Review - PS#	#0301	
PS30850	60% Design Submittal - PS#0301	70	31-Oct-15 A	08-Jan-16 A	60% Design Submitta		
PS30860	60% Design Review - PS#0301	17	09-Jan-16 A	25-Jan-16 A	60% Design Review		
PS10070	Engineering Design - PS#0301	552	20-Nov-14 A	24-May-16 A	Engineering	g Design - PS#0301	
PS30870	100% Design Submittal - PS#0301	120	26-Jan-16 A	24-May-16 A		on Submittal - PS#0301 V 07-Dec-16 A, Permitting	
Permitting		625	14-May-15 A	07-Dec-16 A	- T	▼ 07-Dec-16 A, Permitting	
PS51870	EPA Start Date for Permitting - PS#0301**	0	14-May-15 A		for Permitting - P\$#03	30 <mark>1**</mark>	
PS51270	EPA Compliance Date for Permitting - PS#0301**	0		12-May-16 A	◆ EPA Complia	iance Date for Permitting - PS#0301**	
PS41590	DERM Pemit Submittal - PS#0301	0	23-May-16 A		◆ DERM Pem	nit Submittal - PS#0301	
PS41600	Derm Permit Submittal Review - PS#0301	19	23-May-16 A	10-Jun-16 A	■ Derm Pem	mit Submittal Review - PS#0301	
PS41610	A/E Prepares/Submits Responses to DERM Permit Submittal - PS#0301	83	11-Jun-16 A	01-Sep-16 A	A/E F	Prepares/Submits Responses to DERM Permit Sub	mittal - PS#0301
PS41630	Municipality Bldg. Dept. Submittal - PS#0301	0	29-Sep-16 A		♦ Mu	unicipality Bldg. Dept. Submittal - PS#0301	
PS41620	DERM Permit Approval - PS#0301	27	02-Sep-16 A	04-Nov-16 A		DERM Permit Approval - PS#0301	
PS41640	Municipality Bldg. Dept. Submittal Review - PS#0301	30	29-Sep-16 A	18-Nov-16 A		Municipality Bldg. Dept. Submittal Review - PS#03	801
PS41650	A/E Prepares/Submits Responses to Municipality Bldg. Dept. Submittal - PS#0301	7	30-Nov-16 A	30-Nov-16 A		A/E Prepares/Submits Responses to Municipality	Bldg. Dept. Submittal - PS#0301
PS10220	Permitting - PS#0301	180	24-May-16 A	07-Dec-16 A		Permitting - PS#0301	
PS41660	Municipality Bldg. Dept. Permit Approval - PS#0301	21		07-Dec-16 A	<u> </u>	Municipality Bldg, Dept. Permit Approval - PS#03	ò1
Procurement	FDLOUID LA D	680	08-Jun-15 A	31-Mar-17		▼ 31-Iylar-17; Procurement	
PS51880	EPA Start Date for Proculement - PS#0301**	0	08-Jun-15 A		te for Procurement - PS	S#0301**	
PS32650	Design Documents Sent to Procurement - PS#0301	0	08-Dec-16 A	ļ. <u>.</u>		Design Documents Sent to Procurement - PS#03	901
PS32660	Submit/Approve SBD Goals and Request to Advertise - PS#0301	30	08-Dec-16 A	17-Jan-17		Submit/Approve SBD Goals and Request to Ac	tvertise - PS#0301
PS32670	Advertise Bid Package - PS#0301	0	18-Jan-17	10 = 1 :=	4	◆ Advertise Bid Package - PS#0301	
PS32680	Bid Solicitation Period - PS#0301	30	18-Jan-17	16-Feb-17	1	☐ Bid Solicitation Period - PS#0301	
PS32690	Bids Due - PS#0301	0	17-Feb-17		1	◆ Bids Due - P\$#0301	
PS32700	Bid Review Period - PS#0301	7	17-Feb-17	23-Feb-17	1	■ Bid Review Period - PS#0301	
PS32710	Award Recommendation - PS#0301	0		23-Feb-17		◆ Award Recommendation - PS#0301	
PS10390	Procurement - PS#0301	108	07-Dec-16 A	30-Mar-17		Procurement - P\$#0301	
PS32720	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0301	35	24-Feb-17	30-Mar-17	1	Final Approvals (BCC, Mayor, Risk Mgmt.	.)-PS#0301
PS51280	EPA Compliance Date for Procurement - PS#0301	0		31-Mar-17*	<u> </u>	◆ EPA Compliance Date for Procurement -	PS#0301
Construction		935	31-Mar-17	21-Oct-19		Y	▼ 21-Oct-19, Construction
PS32730	Contractor Notice to Proceed (NTP) - PS#0301	0	31-Mar-17		1	◆ Contractor Notice to Proceed (NTP) - PS#	9301
PS51890	EPA Start Date for Construction - PS#0301	0	01-Apr-17*		1	◆ EPA Start Date for Construction - P\$#030	
PS10580	Construction Phase 1 (Consent Decree) - PS#0301	365	31-Mar-17	30-Mar-18			Phase 1 (Consent Decree) - PS#0301
PS10790	Substantial Completion Phase 1 (CD Compliance Date 5/09/18) - PS#0301	0		30-Mar-18*		◆ Substantial Com	pletion Phase 1 (CD Compliance Date 5/09/18) - PS#0301
PS51290	EPA Compliance Date for Construction - PS#0301	0		09-May-18*			nce Date for Construction - PS#0301
PS41120	Construction Phase 2 (Non-Consent Decree) - PS#0301	480	31-Mar-18	23-Jul-19		\$ 2,7.85mpma	Construction Phase 2 (Non-Consent Decree) - PS#0301

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vity ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3		2017	4 01	2018	3 04 (019 03 C	2020			021 03 04	4 01	2022	04		023		2024
PS41130	Substantial Completion Phase 2 (Non-Consent Decree) - PS#0301	0		23-Jul-19	Q1 Q2 Q5	Q4 Q1 Q	2 03 0	4 Q1	QZ Q	3 Q4 (Q1 Q2	+ +			+ +		-		Q4	Q1 Q2	Q3 (24 Q1	+
PS40840	Project Closeout - PS#0301	90	24-Jul-19	21-Oct-19*	1							1 1	antial Completion			nt Decree)	- PS#030	'					
Project Administration		1820	24-Nov-14 A	21-Oct-19								1 1 -	Project Closeout 21-Oct-19, Projec			11	1	1	1		1		T
PS35280	WASD Project Administration - PS#0301	1820	24-Nov-14 A	21-Oct-19			<u> </u>				<u> </u>		WASD Project Ad	ministrat	tion - PS#030	1				<u>.</u>	1		į.,
5.10 Upgrade of P	PS#0488	1311	07-Oct-14 A	09-May-18					₩ 09-M	ay-18, 5.10	Upgrade	e of PS#048	38		.]]	<u> </u>] j.		<u>. j j</u>		1		1
Pre-Design		152		02-Apr-15 A	Design																		
PS30980	Pre-Design - Upgrade PS#0488	153		02-Apr-15 A	rade PS#0488											ļļ					ļļ		ļ.,
Engineering De sign	EDA Ctot Data for Engineering Danism Unameda DC#04000tt	298		01-Aug-15 A	5 A Engineering D	esigii																	
PS51900 PS51250	EPA Start Date for Engineering Design - Upgrade PS#0488** EPA Compliance Date for Engineering Design - Upgrade PS#0488**	0	07-Oct-14 A	13-May-15 A	_g Design - Upgrade	PS#0488**																	
PS31320	30% Design Submittal - Upgrade PS#0488	67	03-Apr-15 A	08-Jun-15 A	ce Date for Engine	1	Upgrade PS#	0488**									1 1						
PS31330	30% Design Review -Upgrade PS#0488	14	· · · · · · · · · · · · · · · · · · ·	22-Jun-15 A	Submittal - Upgrad																		
PS30950	60% Design Nubmittal - Upgrade PS#0488	24		16-Jul-15 A	n Review -Upgrade												1 1						
PS30960	60% Design Review -Upgrade PS#0488	7	17-Jul-15 A	23-Jul-15 A	nn Submittal - Upgi																		
PS30970	100% Design Submittal - Upgrade PS#0488	9	24-Jul-15 A	01-Aug-15 A	gn Review -Upgrad						į						-						i
PS10090	Engineering Design - Upgrade PS#0488	120	03-Apr-15 A	01-Aug-15 A	sign Submittal - Up ing Design - Upgra		8				į						-						i
Permitting		401	14-May-15 A	18-Jun-16 A	18-Jur	n-16 A, Permitti	ng		} <u>}</u>														
PS51910	EPA Start Date for Permitting - Upgrade PS#0488**	0	14-May-15 A		for Permitting - Up	: grade PS#0488	3**				1						- 1						
PS10240	Permitting - Upgrade PS#0488	93	17-Aug-15 A	17-Nov-15 A		tting Upgrade																	
PS51240	EPA Compliance Date for Permitting - Upgrade PS#0488	0		18-Jun-16 A	● EPA C	Compliance Day	te for Permitt	ind - Upd	rade PS#0)48.8						1			. j j.		<u> </u>		j.
Procurement		647	08-Jun-15 A	15-Mar-17		V: 15	-Mar-17, Prod	curement												-		-	
PS51920	EPA Start Date for Procurement - Upgrade PS#0488**	0	08-Jun-15 A		_te for Proculement	- Updrade PS#	0488**				-												}
PS32200	Design Documents Sent to Procurement - Upgrade PS#0488	0	18-Nov-15 A	4	esign Documents	Sent to Procure	ment - Upgra	de PS#0	488														
PS32210	Submit/Approve SBD Goals and Request to Advertise - Upgrade PS#0488	61	18-Nov-15 A	17-Jan-16 A	Submit/Approve	SBD Goals and	Request to	Advertise	- Uporad	e PS#0488													
PS32220	Advertise Bid Package - Upgrade PS#0488	0	18-Jan-16 A	47 F-1- 40 A	Advertise Bid Pa	ickag <mark>e</mark> - Upgrad	de PS#0488																
PS32230	Bid Solicitation Period - Upgrade PS#0488	31		17-Feb-16 A	Bid Solicitation	n Period - Upgr	ade PS#0488	3															
PS32240	Bids Due - Upgrade PS#0488	0	18-Feb-16 A	02 Mar 16 A	Bids Due - Up	grade PS#0488																	
PS32250	Bid Review Period - Upgrade PS#0488	15	18-Feb-16 A	03-Mar-16 A	■ Bid Review P	eriod - Upgrade	PS#0488																
PS32260 PS10410	Award Recommendation - Upgrade PS#0488 Procurement - Upgrade PS#0488	153	18-Nov-15 A	03-Mar-16 A 18-Apr-16 A	◆ Award Recon				DO 110 400														
PS10410 PS32270	Final Approvals - Upgrade PS#0488	153	04-Mar-16 A	18-Apr-16 A		Pro	ocurement - I	Upgrade I	PS#0488		į						-	- 1				- 1	i
PS41690	Issue PO - Upgrade PS#0488	40	04-Wai-10 A	18-Apr-16 A	Final Appr		: :																
PS51230	EPA Compliance Date for Procurement - Upgrade PS#0488	0		15-Mar-17*	◆ Issue PO	- Upgrade PS#0					1						1 1						
Construction	EFA Compliance Date for Flownenies - Opgiace F3#0400	737	03-May-16 A	09-May-18			A Complian	ce Date fo	or Procure 09-Ma	ment - Upg av-18. Cons	rade PSt struction	0488									÷÷		÷
PS10595	Contractor Notice to Proceed (NTP) - Upgrade PS#0488	0	03-May-16 A	oo way to	A Contracts	nr Nation to Dro	and (NITD)	Liborodo	DC#0400		į						-	i					
PS10600	Construction - Upgrade PS#0488	301	03-May-16 A	08-Dec-16 A	◆ Contracto	or Notice to Pro	ceed (NTP) -	Upgrade		truction - U	lograde P	S#0488											
PS10800	Substantial Completion (CD Compliance Date 5/09/18) - Upgrade PS#0488	0		08-Dec-16 A	-	Substanti	ial Camplati	(CD C	1				1400										
PS40850	Project Closeout - Upgrade PS#0488	90	09-Dec-16 A	08-Mar-17*		i i	jećt Closeou	i i	i i	j j	7 10); - Up	grade PS#C	/4 ор ; ;				-	İ					
PS51930	EPA Start Date for Construction - Upgrade PS#0488	0	16-Mar-17*		1		PA Start Date	1 1	!!	1 1	S#0488						-						
PS51220	EPA Compliance Date for Construction - Upgrade PS#0488	0		09-May-18*			1 1		♠ FPA	1 1		r Construct	ion - Upgrade PS#	: 0488									
Project Administration		787	03-Apr-15 A	08-Mar-17		▼ 08-	Mar-17, Proje	ect Admir	nistration	2011)	D. D. G. T. C	Cocollact	Joir apglood to		1]			-11]			Î
PS35270	WASD Project Administration - Upgrade PS#0488	787	03-Apr-15 A	08-Mar-17			ASD Project	Administr	ration Up	grade PS#0	0488				.jj <u>.</u>	l			. j j.		jj		.i.,
5.11 Installation of	f 48 inch FM from Kendall Dr. to the Suction Side of PS#0536	1390	07-Oct-14 A	27-Jul-18						27-Jul-18,	5.11 Inst	allation of	48 inch FM from K	endall D	r. to the Sucti	on Side of	PS#0536		. j j.	j	ii		L.
Pre-Design			31-Jul-15 A	14-Dec-15 A	14-Dec-15 A, Pre-D	esign																	
PS20160	Negotiate Balance of Design Scope & Fee (HDR) - Install 60" FM from Kendal Dr. to PS#0536	137		14-Dec-15 A	Negotiate Balance	of Design Sco	pe & Fee (HC	R) - Inst	all.60".FM	from Kend	al Dr. to F	\$#0536									ļl.		ļ.,
Engineering De sign	EDA Chart Date for Engineering Design Install CALL CALL D. J. DOUGSCOAT	647		15-Jul-16 A	-																		i
PS51940	EPA Start Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536**	0	07-Oct-14 A	40 14 45 4	a Design - Install 60	0" FM from Ker	ndal Dr. to PS	#0536**															
PS51210	EPA Compliance Date for Engineering Design - Install 60" FM from Kendal Dr. to PS#0536** Basis of Design Report (BODR) - Install 60" FM from Kendal Dr. to PS#0536	0	17 Dec 14 A	13-May-15 A	ce Date for Engine		- : :		: :	- 1	**												
PS20170 PS20210	60% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	133		24-Jul-15 A	_Design Report (BOD					1 1													
PS20210 PS31340	60% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	7		26-Apr-16 A 03-May-16 A	60% Desi	i i	i i	i i	i i	i i													
PS10060	Engineering Design - Install 60" FM from Kendal Dr. to PS#0536	524		23-May-16 A	1 1 1	ign Review - In				1 1	- 1												
PS20230	90% Design Submittal - Install 60" FM from Kendal Dr. to PS#0536	73		15-Jul-16 A		ering Design - II	- ;	- : :	: :	1 1													
Permitting	90% Design Submittal - Install 60 FW Hom Rendal Dr. to FS#0536	629		31-Jan-17	90%	Design Subm 31-Ja	ittal - Install ! ın-17. Permit	60" FM fro tina	om Kenda	LDr. to PS#	4 0536					-					÷		+-
PS51950	EPA Start Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536**	0		31-3411-17			1 1				1												
PS10210	Permitting - Install 60" FM from Kendal Dr. to PS#0536	77	31-Aug-16 A	30-Jan-17	for Permitting - Ins	Perm				al Dr to PS	S#05:36						1 1						
PS51200	EPA Compliance Date for Permitting - Install 60" FM from Kendal Dr. to PS#0536	0		31-Jan-17*	- I I -				1 1	1 1	1		- t- DO#0500	i			- i - i			i			
Procurement	<u> </u>	691	08-Jun-15 A	28-Apr-17		EPA (28-Apr-17, P	Locale 101 J	ent	- 102190-00	TEINI 11011	i Keliuai D	r. to PS#0536		-†	†					††-		†
PS51960	EPA Start Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536**	0	08-Jun-15 A	·	te for Proculement	- Install 60" FM	l from Kenda	I Dr to P	S#0536**		1												
PS33120	Design Documents Sent to Procurement - Install 60" FM from Kendal Dr. to PS#0536	0	29-Nov-16 A		ioni ioculement	Design D	1 1	- 1 1	1 1	- Install 60	" FM from	Kendal D	r to PS#0536										i
PS33130	Submit/Approve SBD Goals and Request to Advertise - Install 60" FM from Kendal Dr. to PS#0536	45	29-Nov-16 A	12-Feb-17				1 1	1 1	1 1		1 1	FM from Kendal D	: to PS#0	0536								-
PS33140	Advertise Bid Package - Install 60" FM from Kendal Dr. to PS#0536	0	13-Feb-17				ertise Bid Pac	- 1 - 1	: :	- 1 - 1	- 1	1 1											-
PS33150	Bid Solicitation Period - Install 60" FM from Kendal Dr. to PS#0536	30	13-Feb-17	14-Mar-17			d Solicitation		!!!	1 1		1 1	1 1 1					i					-
PS33160	Bids Due - Install 60" FM from Kendal Dr. to PS#0536	0	15-Mar-17			i	ds Due - Inst	i i	i i	i i	i i	i i										- 1	
PS33170	Bid Review Period - Install 60" FM from Kendal Dr. to PS#0536	15	15-Mar-17	29-Mar-17			id Review Pe	1 :	: :	1 1	1	1 1										1	
PS33180	Award Recommendation - Install 60" FM from Kendal Dr. to PS#0536	0		29-Mar-17		1	ward Recom	i i	i i	i i	i i	i i	#0536					i				i	i
PS51190	EPA Compliance Date for Procurement - Install 60" FM from Kendal Dr. to PS#0536	0		31-Mar-17*		1	i i	i i	i i	i i	i i	i i	ndal Dr. to PS#053	6									
PS10380	Procurement - Install 60" FM from Kendal Dr. to PS#0536	120	29-Nov-16 A	28-Apr-17			Procuremen									1 1							1

ASD Consent Dec	cree Schedule - December 2016 Update Activity Name	Original	Start	Standard Lay	out w Baseline (By Phase) 13-Jan-17 14:20 - Page No. 66 c
ty ID	Activity Name	Duration	Start	FIIIISII	Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
PS33190	Final Approvals (BCC, Mayor, Risk Mgmt.) - Install 60" FM from Kendal Dr. to PS#0536	30	30-Mar-17	28-Apr-17	Final Approvals (BCC, Mayor, Risk, Mgmt.) - Install 60", FM from Kendal Dr. to PS#0536.
Construction		556	18-Jan-17	27-Jul-18	▼ 27-Jul-18, Construction
PS51970	EPA Start Date for Construction - Install 60" FM from Kendal Dr. to PS#0536	0	18-Jan-17*		◆ EPA Start Date for Construction - Install 60" FM from Kendal Dr. to PS#0536
PS33200	Contractor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536	0	29-Apr-17		♦ Contractor Notice to Proceed (NTP) - Install 60" FM from Kendal Dr. to PS#0536
PS10570	Construction - Install 60" FM from Kendal Dr. to PS#0536	365	29-Apr-17	28-Apr-18	Construction - Install 60" FM from Kendal Dr. to PS#0536
PS10810	Substantial Completion (CD Compliance Date 5/09/18) - Install 60" FM from Kendal Dr. to PS#0536	0		28-Apr-18*	◆ Substanțial Completion (CD Compliance Date 5/09/18) - Install 60" FM from Kendal Dr. to PS#0536
PS51180	EPA Compliance Date for Construction - Install 60" FM from Kendal Dr. to PS#0536	0	00 4 40	09-May-18*	◆ EPA Compliance Date for Construction - Install 60" FM from Kendal Dr. to P\$#0536
PS40860 Project Administration	Project Closeout - Install 60" FM from Kendal Dr. to PS#0536	90 1275	29-Apr-18 17-Dec-14 A	27-Jul-18* 27-Jul-18	Project Closeout - Install 60" FM from Kendal Dr. to PS#0536 ✓ 27-Jul-18, Project Administration
PS35260	WASD Project Administration - Install 60" FM from Kendal Dr. to PS#0536	1275	17-Dec-14 A 17-Dec-14 A	27-Jul-18 27-Jul-18	
	of Switchgear at PS#0187	1397	07-Oct-14 A	23-Jul-18	WASD Project Administration - Install. 60". FM from. Kendal Dr. to PS#0.536. ▼ 23-Jul-18, 5.12 Replacement of Switchgear at PS#0187
Pre-Design	or owneringear act own for	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		25-Nov-15 A	e S/G at PS#0187. 5-Nov-15 A. Engineering Design
PS51980	EPA Start Date for Engineering Design - Replace S/G at PS#0187**	0	07-Oct-14 A		g Design - Replace S/G at PS#0187**
PS30880	Preliminary Engineering Report (PER) - Replace S/G at PS#0187	42	25-Feb-15 A	07-Apr-15 A	
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	ce Date for Engineering Design - Replace S/G at IPS#0187**
PS32190	Negotiate Balance of Design - Replace S/G at PS#0187	57	05-May-15 A	30-Jun-15 A	
PS31300	30% Design Submittal - Replace S/G at PS#0187	59	01-Jul-15 A	28-Aug-15 A	palatice of design; Replace 3/3 at 1:3#0 107 ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
PS31310	30% Design Review - Replace S/G at PS#0187	13	31-Aug-15 A	12-Sep-15 A	esignouthillar - Replace 3/3 at F3#0107
PS30920	60% Design Submittal - Replace S/G at PS#0187	33	14-Sep-15 A	16-Oct-15 A	
PS30930	60% Design Review - Replace S/G at PS#0187	10	17-Oct-15 A	26-Oct-15 A	% Design Review - Replace S/G at PS#0187
PS10050	Engineering Design - Replace S/G at PS#0187	275	24-Feb-15 A	25-Nov-15 A	
PS30940	100% Design Submittal - Replace S/G at PS#0187	30	27-Oct-15 A	25-Nov-15 A	
Permitting		454	14-May-15 A	10-Aug-16 A	00% Desigh Subth ittal -Replace S/G at PS#0187 10-Aug-16 A, Permitting
PS51990	EPA Start Date for Permitting - Replace S/G at PS#0187**	0	14-May-15 A		for Permitting - Replace S/G at PS#0187**
PS41670	DERM Permit - Replace S/G at PS#0187	29	24-Nov-15 A	22-Dec-15 A	
PS51160	EPA Compliance Date for Permitting - Replace S/G at PS#0187**	0		23-May-16 A	
PS10200	Permitting - Replace S/G at PS#0187	249	24-Nov-15 A	29-Jul-16 A	
PS41680	RER Bldg. Dept Permit - Replace S/G at PS#0187	133	31-Mar-16 A	10-Aug-16 A	DEP Bldr. Pent Permit - Replace S/G at PS#h187
Procurement		744	08-Jun-15 A	20-Jun-17	RER.Bldg. Dept Permit - Replace S/G at PS#0187
PS71590	EPA Start Date for Procurement - Replace S/G at PS#0187**	0	08-Jun-15 A		te for Proculement - Rediace S/G at PS#0187**
PS50670	Initiate Procurement - PS#0187	0	23-May-16 A		♦ Initiate Procurement - PS#0187
PS33210	Design Documents Sent to Procurement - PS#0187	0	26-Jul-16 A		◆ Design Documents Sent to Procurement - PS#0187
PS35040	Pre-Purchase Bid Package (Valves & Pumps) - PS#0187	128	10-Jun-16 A	27-Oct-16 A	
PS35050	Advertise Pre-Purchase (Valves & Pumps) - PS#0187	0	28-Oct-16 A		♦ Advertise Pre-Purchase (Valves & Pumps) - P\$#0187
PS33220	Submit/Approve SBD Goals and Request to Advertise - PS#0187	79	26-Jul-16 A	20-Nov-16 A	
PS33230	Advertise Bid Package - PS#0187	0	21-Nov-16 A		♦ Advertise Bid Package - PS#0187
PS33240	Bid Solicitation Period - PS#0187	45	21-Nov-16 A	04-Jan-17	Bid Solicitation Period - PS#0187
PS33250	Bids Due - PS#0187	0	05-Jan-17		♦ Bids Due - PS#0187
PS35060	VendorBid & Award (Valves & Pumps) - PS#0187	45	28-Oct-16 A	11-Jan-17	Vendor Bid & Award (Valves & Pumps) - PS#0187
PS35070	VendorNTP (Valves & Pumps) - PS#0187	0		11-Jan-17	♦ Vendor NTP (Valves & Pumps) - PS#0187
PS33260	Bid Review Period - PS#0187	30	05-Jan-17	03-Feb-17	□ Bid Review Period - PS#0187
PS33270	Award Recommendation - PS#0187	0		03-Feb-17	◆ Award Recommendation - PS#0187
PS10370	Procurement - Replace S/G at PS#0187	263	23-May-16 A	20-Mar-17	Produrement - Replace S/G at PS#0187
PS33280	Final Approvals (BC C, Mayor, Risk Mgmt.) - PS#0187	45	04-Feb-17	20-Mar-17	Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0187
PS41810	Issue PO - PS#0187	0	21-Mar-17		♦ Issué PO - PS#0187
PS51150	EPA Compliance Date for Procurement - Replace S/G at PS#0187	0		31-Mar-17*	♦ EPA Compliance Date for Procurement - Replace S/Gat PS#0187
PS32180	Pre-Purchase Valves & Pumps - PS#0187	333	10-Jun-16 A	20-Jun-17	Pre-Purchase Valves & Pumps - PS#0187
PS35080	Fabricate & Deliver Valves & Pumps - PS#0187	160	12-Jan-17	20-Jun-17	Fabricate & Deliver Valves & Pumps - PS#0187
Construction		490	21-Mar-17	23-Jul-18	▼ 23-Jul-18, Construction
PS33290	Contractor Notice to Proceed (NTP) - PS#0187	0	21-Mar-17		◆ Contractor Notice to Proceed (NTP) + PS#0187
PS71600	EPA Start Date for Construction - Replace S/G at PS#0187	0	01-Apr-17*		♦ EPA Start Date for Construction - Replace S/G at PS#0187
PS10560	Construction - Replace S/G at PS#0187	400	21-Mar-17	24-Apr-18	Construction - Replace S/G at P\$#0187
PS10820	Substantial Completion (CD Compliance Date 5/09/18) - Replace S/G at PS#0187	0		24-Apr-18*	◆ Substantial Completion (CD Compliance Date 5/09/18) - Replace S/G at PS#0187
PS51140	EPA Compliance Date for Construction - Replace S/G at PS#0187	0		09-May-18*	◆ EPA Compliance Date for Construction - Replace S/G at PS#0187
PS40870	Project Closeout - PS#0187	90	25-Apr-18	23-Jul-18*	Project Closeout - PS#0187: Z3-Jul-18, Project Admini stration
Project Administration		1256	25-Feb-15 A	23-Jul-18	▼ 23;Jul-18, Project Admini stration
PS35250	WASD Project Administration - Replace S/G at PS#0187	1256	25-Feb-15 A	23-Jul-18	WASD Project Administration - Replace S/G at PS#0187. ▼ 20-Jul-16 A, 5.13 Refubish Emergency Generators and Controls at Regional Pump Stations
.13 Refurbish Em	ergency Generators and Controls at Regional Pump Stations	687	02-Sep-14 A	20-Jul-16 A	
Engineering Design		99	02-Sep-14 A	10-Dec-14 A) Design
PS71610	EPA Start Date for Engineering Design - Refurbish Emer Gen Controls at Pumpstations**	0	02-Sep-14 A		Design - Refurbish Emer Gen Controls at Pumpstations**
PS10030	Engineering Design (N/A) - Refurbish Emer Gen Controls at Pumpstations	40	12-Sep-14 A	21-Oct-14 A	- Refurbish Emer Gen Controls at Pumpstations
PS51300	EPA Compliance Date for Engineering Design - Refurbish Emer Gen Controls at Pumpstations	0		10-Dec-14 A	I Crighteening design intentition criteriosit composat unitorials
Permitting		209	•	09-Apr-15 A	nitting
PS10180	Permitting (N/A) - Refurbish Emer Gen Controls at Pumpstations	40	12-Sep-14 A	21-Oct-14 A	Refurbish Emer Gen Controls at Pumpstations
PS71620	EPA Start Date for Permitting - Refurbish Emer Gen Controls at Pumpstations	0	11-Dec-14 A		ting - Refurbish Emer Gen Controls at Pumostations

ity ID	Decree Schedule - December 2016 Update Activity Name	Original	Start	Finish	out w Baseline (By Phase) 13-Jan-17 14:20 - Page No. 67 of 2016 2017 2018 2019 2020 2021 2022 2023 202
•		Duration			Q1 Q2 Q3 Q4 Q1 Q3 Q4 Q1 Q3 Q
PS51310	EPA Compliance Date for Permitting - Refurbish Emer Gen Controls at Pumpstations	0		09-Apr-15 A	Date for Permitting - Refurbish Emer Gen Controls at Rumpstations 22-Jun-16 A. Procurement
Procurement	5 40 44 \ D	649	12-Sep-14 A	22-Jun-16 A	
PS30390	5.13 (14) Procurement - Refurbish PS#0522 Emergency Generator & Controls	40	12-Sep-14 A	21-Oct-14 A	rbish PS#0522 Emerger cy Generator & Controls
PS30480 PS30360	5.13 (17) Procurement - Refurbish PS#0683 Emergency Generator & Controls	40	19-Sep-14 A	28-Oct-14 A	urbish PS#0683 Emergency Géneratór & Controls
PS30510	5.13 (13) Procurement - Refurbish PS#0517 Emergency Generator & Controls 5.13 (18) Procurement - Refurbish PS#685 Emergency Generator & Controls	38	19-Sep-14 A 07-Oct-14 A	28-Oct-14 A 13-Nov-14 A	urbish PS#0517 Emergency Génerator & Controls
PS30180	5.13 (7) Procurement - Refurbish PS#0422 Emergency Generator & Controls	38	07-Oct-14 A	13-Nov-14 A	furbish PS#685 Emergency Generator & Controls
PS71630	EPA Start Date for Procurement - Refurbish Erner Gen Controls at Pumpstations	0	03-Jan-15 A	13-100-14 A	urbish PS#0422 Emergency Generator & Controls
PS30450	5.13 (16) Procurement - Refurbish PS#0681 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	urement - Refurbish Emer Gen Controls at Pumpstations
PS30420	5.13 (15) Procurement - Refurbish PS#0571 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	Refutbish PS#0681 Emergency Generator & Controls
PS30300	5.13 (11) Procurement - Refurbish PS#0426 Emergency Generator & Controls	77	22-Oct-14 A	06-Jan-15 A	Refurbish PS#0571 Emergency Generator & Controls
PS30240	5.13 (9) Procurement - Refurbish PS#0424 Emergency Generator & Controls	59	02-Feb-15 A	01-Apr-15 A	Refurbish PS#0426 Emergency Generator & Controls
PS30120	5.13 (5) Procurement - Refurbish PS#0348 Emergency Generator & Controls	73	20-Jan-15 A	02-Apr-15 A	ent - Refurbish PS#0424 Emergency Generator & Controls ent - Refurbish PS#0348 Emergency Generator & Controls
PS30090	5.13 (4) Procurement - Refurbish PS#0347 Emergency Generator & Controls	52	16-Feb-15 A	08-Apr-15 A	nent - Refundish P\$#0347 Emergency Generator & Controls
PS30330	5.13 (12) Procurement - Refurbish PS#0516 Emergency Generator & Controls	102	05-Jan-15 A	16-Apr-15 A	ement - Refurbish PS#054 Emergency Generator & Controls
PS30150	5.13 (6) Procurement - Refurbish PS#0421 Emergency Generator & Controls	2	22-Apr-15 A	23-Apr-15 A	ment - Refurbish PS#0421 Emergency Generator & Controls
PS30000	5.13 (1) Procurement - Refurbish PS#0306 Emergency Generator & Controls	136	22-Dec-14 A	06-May-15 A	ement - Refurbish PS#0306 Emergericy Generator & Controls
PS30030	5.13 (2) Procurement - Refurbish PS#0345 Emergency Generator & Controls	26	04-May-15 A	29-May-15 A	rement - Refurbish PS#0345 Emergency Generator & Controls
PS30270	5.13 (10) Procurement - Refurbish PS#0425 Emergency Generator & Controls	26	04-May-15 A	29-May-15 A	urement - Refurbish PS#0425 Emergency Generator & Controls
PS30540	5.13 (19) Procurement - Refurbish PS#1072 Emergency Generator & Controls	22	15-Jun-15 A	06-Jul-15 A	rocurement:- Refurbish PS#1072 Emergency Generatori& Controls
PS30210	5.13 (8) Procurement - Refurbish PS#0423 Emergency Generator & Controls	22	15-Jun-15 A	06-Jul-15 A	pcurement - Refurbish P\$#0423 Emergency Generator & Controls
PS30570	5.13 (20) Procurement - Refurbish PS#1073 Emergency Generator & Controls	31	10-Aug-15 A	09-Sep-15 A	0) Procurement - Refurb sh PS#1073 Emergency/Generator & Controls
PS10340	Procurement (Summary) - Refurbish Emer Gen Controls at Pumpstations	364	12-Sep-14 A	10-Sep-15 A	Procurement (Summary) - Refurbish Emer Gen Controls at Pumpstations
PS30060	5.13 (3) Procurement - Refurbish PS#0346 Emergency Generator & Controls	32	10-Aug-15 A	10-Sep-15 A	8) Procurement - Refurbish PS#0346 Emergency Generator & Controls
PS51320	EPA Compliance Date for Procurement - Refurbish Emer Gen Controls at Pumpstations	0		22-Jun-16 A	◆ EPA Compliance:Date for Procurement - Refurbis h Emer Gen Controls at Pumpstations
Construction		637	22-Oct-14 A	20-Jul-16 A	▼ 20-Jul-16 A, Construction
PS30490	5.13 (17) Construction - Refurbish PS#0683 Emergency Generator & Controls	29	29-Oct-14 A	26-Nov-14 A	efurbish PS#0683 Emergency Generator & Controls
PS30520	5.13 (18) Construction - Refurbish PS#0685 Emergency Generator & Controls	18	14-Nov-14 A	01-Dec-14 A	kefurbish PS#0685 Emergency Generator & Controls
PS30190	5.13 (7) Construction - Refurbish PS#0422 Emergency Generator & Controls	25	14-Nov-14 A	08-Dec-14 A	efurbish PS#0422 Emergency Generator & Controls
PS30370	5.13 (13) Construction - Refurbish PS#0517 Emergency Generator & Controls	27	14-Nov-14 A	10-Dec-14 A	Refurbish PS#0517 Emergency Generator & Controls
PS30400	5.13 (14) Construction - Refurbish PS#0522 Emergency Generator & Controls	83	22-Oct-14 A	12-Jan-15 A	Refurbish PS#0\$22 Enhergency Generator & Controls
PS30310	5.13 (11) Construction - Refurbish PS#0426 Emergency Generator & Controls	29	07-Jan-15 A	04-Feb-15 A	h - Refurbish PS#0426 Imeraency Generator & Controls
PS30460	5.13 (16) Construction - Refurbish PS#0681 Emergency Generator & Controls	29	13-Jan-15 A	10-Feb-15 A	n - Refurbish PS#0681 Emergency Generator & Controls
PS30430	5.13 (15) Construction - Refurbish PS#0571 Emergency Generator & Controls	29	20-Jan-15 A 22-Apr-15 A	17-Feb-15 A	pn - Refurbish PS#0571 Emergency Generator & Control's
PS30160 PS30100	5.13 (6) Construction - Refurbish PS#0421 Emergency Generator & Controls 5.13 (4) Construction - Refurbish PS#0347 Emergency Generator & Controls	29	09-Apr-15 A	23-Apr-15 A	ction - Refurbish PS#0421 Emergency Generator & Controls
PS30250	5.13 (9) Construction - Refurbish PS#0424 Emergency Generator & Controls	29	10-Apr-15 A	07-May-15 A	uction - Refurbish PS#0 <mark>8</mark> 47 Emergency Generator & Controls
PS30130	5.13 (5) Construction - Refurbish PS#0424 Emergency Generator & Controls 5.13 (5) Construction - Refurbish PS#0348 Emergency Generator & Controls	55	03-Apr-15 A	08-May-15 A 27-May-15 A	uction - Refurbish PS#0424 Emergency Generator & Controls
PS30040	5.13 (2) Construction - Refurbish PS#0345 Emergency Generator & Controls	10	01-Jun-15 A	10-Jun-15 A	truction - Refurbish PS#0348 Emergency Generator & Controls
PS30280	5.13 (10) Construction - Refurbish PS#0425 Emergency Generator & Controls	12		12-Jun-15 A	struction - Refurbish PS#0345 Emergency Generator & Controls
PS30010	5.13 (1) Construction - Refurbish PS#0306 Emergency Generator & Controls	81	12-May-15 A	31-Jul-15 A	hstruction - Refurbish PS#0425 Emergency Generator & Controls
PS30550	5.13 (19) Construction - Refurbish PS#1072 Emergency Generator & Controls	29	07-Jul-15 A	04-Aug-15 A	construction - Refurbish PS#0306 Emergency Generator & Cohtrols
PS30220	5.13 (8) Construction - Refurbish PS#0423 Emergency Generator & Controls	29	07-Jul-15 A	04-Aug-15 A	Construction - Refurbish PS#1072 Emergency Generator & Controls
PS30580	5.13 (20) Construction - Refurbish PS#1073 Emergency Generator & Controls	19	10-Sep-15 A	28-Sep-15 A	Construction - Refurbish PS#0423 Emergency Generator & Controls
PS30070	5.13 (3) Construction - Refurbish PS#0346 Emergency Generator & Controls	29	11-Sep-15 A	09-Oct-15 A	(20) Construction - Refurbish PS#1073 Emergency Generator & Controls (3) Construction - Refurbish PS#0346 Emergency Generator & Controls
PS71640	EPA Start Date for Construction - Refurbish Emer Gen Controls at Pumpstations	0	03-Jan-16 A		PEPA Start Date for Construction - Refurbish Emer Gen Controls at Pumpstations
PS10520	Construction (Summary) - Refurbish Emer Gen Controls at Pumpstations	464	29-Oct-14 A	04-Feb-16 A	Construction (Summary) - Refurbish Emer Gen Controls at Pumpstations
PS30340	5.13 (12) Construction - Refurbish PS#0516 Emergency Generator & Controls	269	12-May-15 A	04-Feb-16 A	5.13 (12) Construction - Refurbish PS#0516 Emergency Generator & Controls
PS10630	Substantial Completion (CD Compliance Date 7/20/16) - Refurbish Emer Gen Controls at Pumpstations	0		04-Feb-16 A	Substantial Completion (CD Compliance Date 7/20/16) - Refurbish Emer Gen Controls at Pumpstations Substantial Completion (CD Compliance Date 7/20/16) - Refurbish Emer Gen Controls at Pumpstations
PS51330	EPA Compliance Date for Construction - Refurbish Emer Gen Controls at Pumpstations	0		20-Jul-16 A	EPA Compliance Date for Construction - Refurbish Emer Gen Controls at Pumpstations
5.14 Upgrade of	f PS#0086, 0492	652	19-Mar-12 A	31-Dec-13 A	The second secon
Procurement		383	19-Mar-12 A	06-Apr-13 A	
PS10000	Procurement - Upgrade PS#0086, 0492	183	19-Mar-12 A	17-Sep-12 A	
PS71650	EPA Start Date for Procurement - Upgrade PS#0086, 0492	0	08-Oct-12 A		
PS51340	EPA Compliance Date for Procurement - Upgrade PS#0086, 0492	0		06-Apr-13 A	
Construction		269	06-Apr-13 A	31-Dec-13 A	
PS71660	EPA Start Date for Construction - Upgrade PS#0086, 0492	0	06-Apr-13 A		
PS10010	Construction - Upgrade PS#0086, 0492	101	06-Apr-13 A	15-Jul-13 A	
PS10160	Substantial Completion (CD Compliance Date 12/31/13) - Upgrade PS#0086, 0492	0		15-Jul-13 A	pgrade PS#086, 0492
PS51350	EPA Compliance Date for Construction - Upgrade PS#0086, 0492	0		31-Dec-13 A	PS#0086_0492
	f PS#0065, 0201, 0334, 0374, 0607	1845	12-Dec-10 A	31-Dec-15 A	31_Dec-15A, 5.15_Upgrade of PS#0065, 0201, 0334, 0374, 0607
Engineering Design		1496	12-Dec-10 A	16-Jan-15 A	Ing Design
PS71670	EPA Start Date for Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	01-Jan-14 A	00 : :-	PS#0065, 0201, 0334, 0374, 0607
PS51360	EPA Compliance Date for Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607**	0		09-Jan-15 A	for Engineering Design - Upgrade P\$#0065, 0201, 0334, 0374, 0607**
PS10170	Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607	1497	12-Dec-10 A	16-Jan-15 A	Jpgrade PS#0065, 0201, 0334, 0374, 0607
Permitting	EPA Start Date for Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	1579	12-Dec-10 A 10-Jan-15 A	09-Apr-15 A	

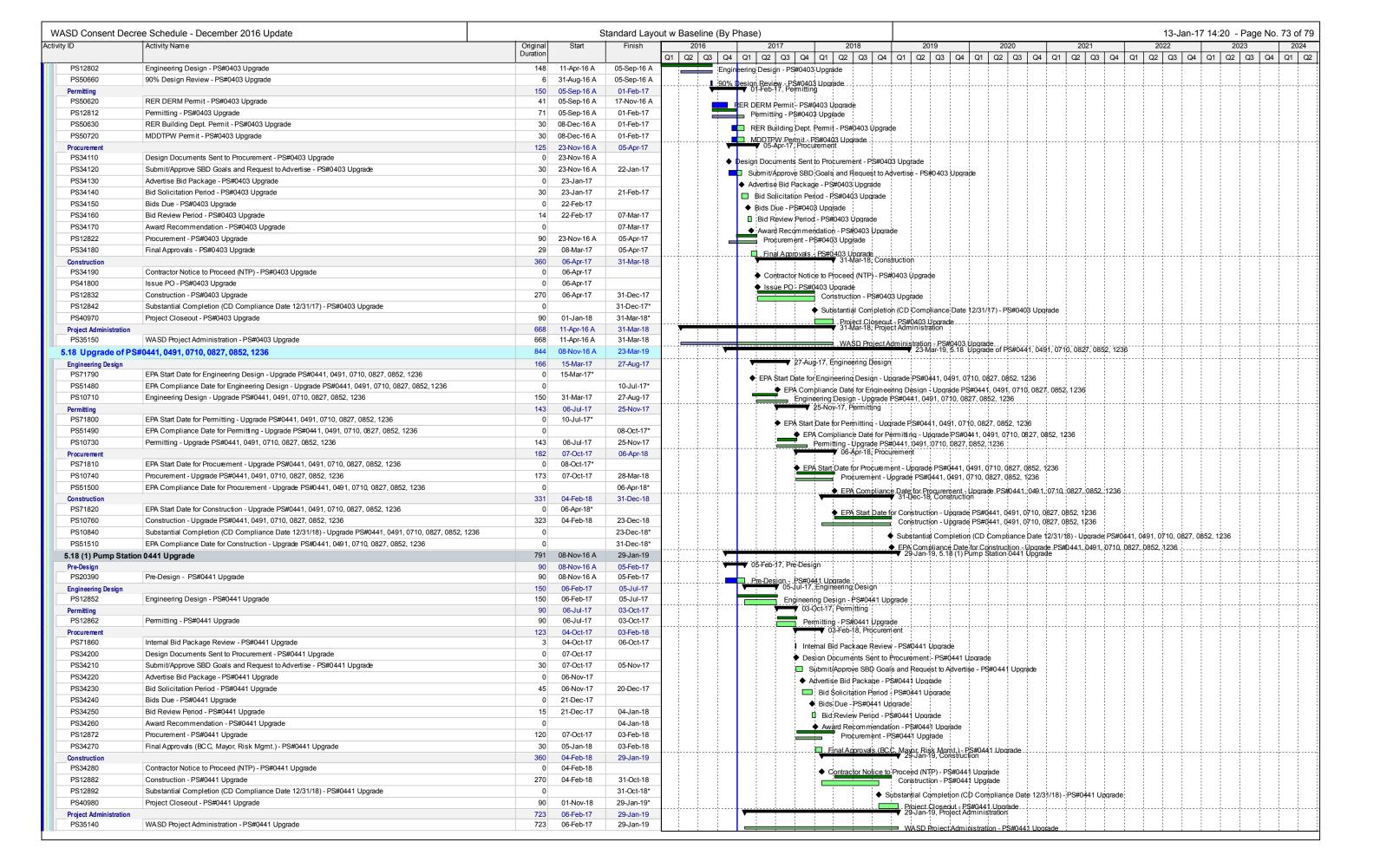
	cree Schedule - December 2016 Update	Original			out w Baseline (By	rnas	,		00	110		2019		2020		2024		0	13-Jar ₀₂₂	n-1/ 1	4:20 - P	•	
ity ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3 Q4	4 01	2017 Q2 Q3	3 04		018 Q3 Q4	Q1 C		Q4 Q1	2020 Q2 Q3 C	4 01	2021 02 Q3	Q4 C			Q4 O	2023		Q1
PS10260	Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	1528	12-Dec-10 A	16-Feb-15 A	ade PS#0065, 0201, 0	_	-		<u> </u>	40 4.	1 ~. 1 ~	- 40	<u> </u>			- 40	1 ~. 1 ~	.	1 40	<u>~. ~</u>		40	1 ~.
PS51370	EPA Compliance Date for Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	0		09-Apr-15 A	Date for Permitting - I		1 1	0201 03	34 0374 06	0.7													
Procurement		1625	12-Dec-10 A	25-May-15 A	Procurement	Uppaue	a;r.o#uψαo,	, 0201, 03	34, 12, 14, 11	302							-						jj
PS71690	EPA Start Date for Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607	0	08-Oct-14 A		nt - Upgrade PS#0065	5, 0201, (; 0334, 0374,	, 0607															
PS51380	EPA Compliance Date for Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607**	0		06-Apr-15 A	Date for Procurement		: :	1 1	0334, 0374,	0607**													
PS10320	Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607	1626	12-Dec-10 A	25-May-15 A	Upgrade PS#0065, 02	201, 033													1		1 1		1
Construction		1845	12-Dec-10 A	31-Dec-15 A	31-Dec-15 A, Constru	uction																	
PS71700	EPA Start Date for Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607	1045	06-Apr-15 A	20 D 45 A	r Construction - Upgra																		
PS10350 PS10500	Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607 Substantial Completion (CD Compliance Date 12/31/15) - Upgrade PS#0065, 0201, 0334, 0374, 0607	1845	12-Dec-10 A	30-Dec-15 A 30-Dec-15 A	Construction - Upgra																		
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	ion 0065 Compliance Project	508	01-Aug-14 A	22-Dec-15 A	EPA Compliance Da 22-Dec-15 A , 5.15 (1)	ate for <u>Co</u>) Pump S	onstruction Station 1006	ı <u>- Upgrade</u> 5 Compli	e PS#0065, ance Projec	0201, 0334, t	0374,06	07											÷
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PS20490	Pre-Design - PS#0065 Compliance Project	87	01-Aug-14 A	26-Oct-14 A	pliance Project																		
Engineering Design		81	27-Oct-14 A	16-Jan-15 A	ng Design		1				1				11		1		1		7		1
PS12002	Engineering Design - PS#0065 Compliance Project	82	27-Oct-14 A	16-Jan-15 A	S#0065 Compliance	Project				<u> </u>	<u>.ii</u>				ii_		<u>.ii.</u>		11		.jj.		!
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PS12012	Permitting - PS#0065 Compliance Project	29	19-Jan-15 A	16-Feb-15 A	0065 Compliance Proj	jedt	ļļ			ļ ļ							.	;	ļ				ļ
Procurement	Drausoment DS#0065 Compliance Design	63	23-Feb-15 A	27-Apr-15 A	curement																		1
PS12022	Procurement - PS#0065 Compliance Project	64	23-Feb-15 A	27-Apr-15 A	S#0065 Compliance 22-Dec-15 A, Constru					ļ							-		ļļ.				ļ
Construction PS12032	Construction - PS#0065 Compliance Project	225 226	11-May-15 A 11-May-15 A	22-Dec-15 A 22-Dec-15 A	Construction - P\$#00		mnliando Pr	milect										-					
PS12032 PS12042	Substantial Completion (CD Compliance Project	0	11 May-13 A	22-Dec-15 A 22-Dec-15 A	1 : : :		1 1	1 1															
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PS31110	Pre-Design - FM for PS#0065 Phase 1	87	01-Aug-14 A	26-Oct-14 A	5 Phase 1																		
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PS31060	Engineering Design - FM for PS#0065 Phase 1	82	27-Oct-14 A	16-Jan-15 A	M for PS#0065 Phase	e 1		1 1															
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PS31070	Permitting - FM for PS#0065 Phase 1	29	19-Jan-15 A	16-Feb-15 A	or PS#0065 Phase 1		1			ļ	.								ļļ.				
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PS31080	Procurement - FM for PS#0065 Phase 1		23-Feb-15 A	25-May-15 A	FM for PS#0065 Phas Oct-15 A, Construction		ļļ			¦							.		ļļ				ļJ
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PS31090 PS31100	Substantial Completion (CD Compliance Date 12/31/15) - FM for PS#0065 Phase 1	149	26-May-15 A	21-Oct-15 A 21-Oct-15 A	Construction - FM for		1 1	- 1 - 1															
	ion 0201 Compliance Project	976	01-Jan-13 A	04-Sep-15 A	stantial Completion (0) 1-15 A, 5.15 (2) Pump S	CD Corr Station (npliance Da 0201 Comp	ate 12/31/ oli ance Pr	15) - FM for oject	PS#0065 Pt	hase 1												
Engineering De sign	ion vzvi compilance r roject	367	01-Jan-13 A	03-Jan-14 A																			ļ)
PS12052	Engineering Design - PS#0201 Compliance Project	368	01-Jan-13 A	03-Jan-14 A	S#0201 Compliance F	Project																	
Permitting		172	06-Jan-14 A	27-Jun-14 A			1												1		-11-		
PS12062	Permitting - PS#0201 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	0201 Compliance Proj	ject																	
Procurement		262	30-Jun-14 A	19-Mar-15 A	urement																		
PS12072	Procurement - PS#0201 Compliance Project		30-Jun-14 A	19-Mar-15 A	\$#0201 Compliance P	roject	<u> </u>			ļ 							.		ļļ.				ļ)
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PS12082	Construction - PS#0201 Compliance Project	169	20-Mar-15 A	04-Sep-15 A	Construction - P\$#02		: i	1															
PS12092	Substantial Completion (CD Compliance Date 12/31/15) - PS#0201 Compliance Project	1003	01-Jan-13 A	04-Sep-15 A 30-Dec-15 A	ntial Completion (CD 30-Dec-15 A, 5.15 (3)	Compli Deli	iance Date Station 033	12/31/15 34 Compli) - PS#0201 an ce: Projec	Compliance	e.Project .												-
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Engineering Design PS12102	Engineering Design - PS#0334 Compliance Project		01-Jan-13 A 01-Jan-13 A	03-Jan-14 A	S#0334 Compliance F	Project																	
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PS12112	Permitting - PS#0334 Compliance Project	173	06-Jan-14 A	27-Jun-14 A	0334 Compliance Proj	ject												-					
Procurement		232	17-Jun-14 A	04-Feb-15 A	ment		T			[T								1				[
PS12122	Procurement - PS#0334 Compliance Project	233	17-Jun-14 A	04-Feb-15 A	#0334 Compliance P		ii			ii	.ii						.11		jj.		.11.		i
Construction		328	05-Feb-15 A	30-Dec-15 A	30-Dec-15 A, Constru																		
PS12132	Construction - PS#0334 Compliance Project	329	05-Feb-15 A	30-Dec-15 A	Construction - P\$#03																		
PS12142	Substantial Completion (CD Compliance Date 12/31/15) - PS#0334 Compliance Project	0	01 los 10 1	30-Dec-15 A	Substantial Complet 5 (3.1) FM for Pump S	tion (CD	Compliano	ce Date 1	2/31/15) - PS	\$#0334.Com	npliance I	Project							ļ				ļ!
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PS12162	Permitting - FM for Pump Station 0334	220	06-Jan-14 A	13-Aug-14 A	or Pump Station 0334																		
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PS12172	Procurement - FM for Pump Station 0334	147	30-Jun-14 A	23-Nov-14 A	I for Pump Station 033	34					<u> </u>						<u>. []</u>						į
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PS12182	Construction - FM for Pump Station 0334	155	24-Nov-14 A	27-Apr-15 A	Construction - FM for	r P <mark>ump</mark> :	Station 033	34															}
PS12192	Substantial Completion (CD Compliance Date 12/31/15) - FM for Pump Station 0334	0		27-Apr-15 A	npletion (CD Complia	ance Dat	te 12/31/15)FM.for	Pump Statio	n .0334	ļļ						.		<u>i</u> i.				i
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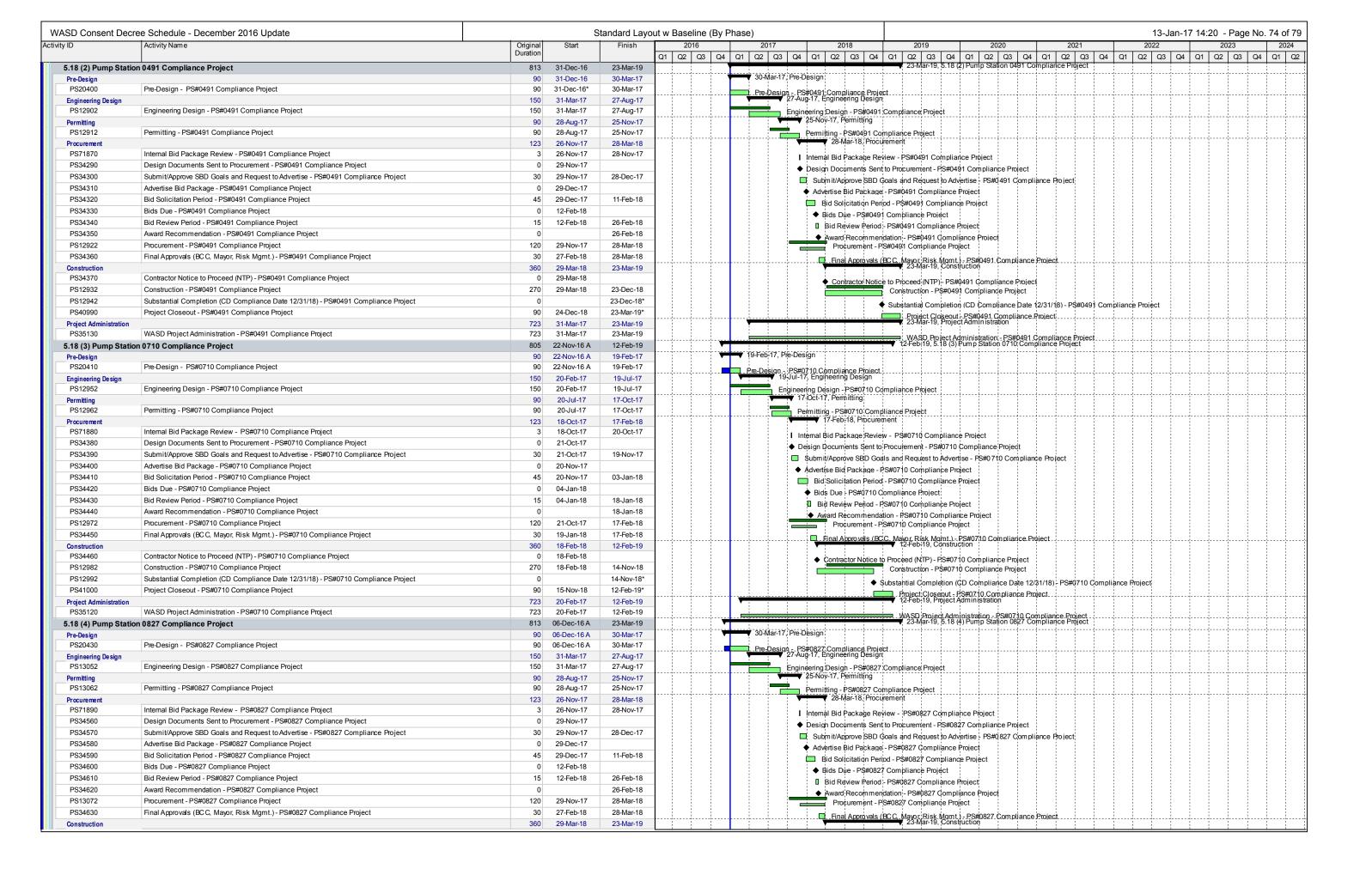
	ecree Schedule - December 2016 Update				out w Baseline	(By Phase	,															n-17		- Page N	10. 69 r	of 7
ctivity ID	Activity Name	Original Duration	Start	Finish	2016 Q1 Q2 Q3	Q4 Q1	2017		01	2018		01	2019		01 0	2020	04 01	2021		01 0	2022	04		023		024
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PS12222	Procurement - PS#0374 Upgrade	1119	12-Dec-10 A	03-Jan-14 A	\$#0374 Upgrade		L		.ii	l														1		1
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PS12232	Construction - PS#0374 Upgrade - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	Construction - F	P\$#037 4 Upg	ade - Co	mpleted	In-House	е							!									
PS12242	Substantial Completion (CD Compliance Date 12/31/15) - PS#0374 Upgrade	0	10.5 10.1	03-Jan-14 A	2/31/15) - PS#03 M Installation	74.Upgrade	ļļ.		.} <u>-</u> }						.											ļ
	Station No. 0374 FM Installation	1118		03-Jan-14 A	Willistaliation		}}-								·											ļ
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PS12262	Permitting - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	0374 FM Installat	; tion						1 1														
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PS12272	Procurement - PS#0374 FM Installation	1119	12-Dec-10 A	03-Jan-14 A	#0374 FM Install	lation						1 1														
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PS12282	Construction - PS#0374 FM Installation - Completed In-House	1119	12-Dec-10 A	03-Jan-14 A	Construction - F	P\$#037 <mark>4</mark> FM I	nstallati	on - Comp	leted In	n-House																
PS12292	Substantial Completion (CD Compliance Date 12/31/15) - PS#0374 FM Installation	0		03-Jan-14 A	2/31/15) - PS#03 Oct-15 A, 5.15 (5)	74 FM Install	tion								.									ļl		ļ
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Engineering Design	5 · · · D · · · D0//0007 O · // · · D · · /	367		03-Jan-14 A																						
PS12302	Engineering Design - PS#0607 Compliance Project	368		03-Jan-14 A	S#0607 Complia	ance Project	ļļ.		-}}						.									ļļ		ļ
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PS12322	Procurement - PS#0607 Compliance Project	211	30-Jun-14 A	26-Jan-15 A	\$#0607 Complian	nde Project																				
Construction		269		23-Oct-15 A	Oct-15 A, Constru		 -								· 									 		ţ
PS12332	Construction - PS#0607 Compliance Project	270		23-Oct-15 A	Construction - F	:	: ipliance	: Project				1 1														
PS12342	Substantial Completion (CD Compliance Date 12/31/15) - PS#0607 Compliance Project	0		23-Oct-15 A	- : :	1	f - 1	- 1	1/15)	DS#0607	Compli	once Dro	iont													-
5.16 Upgrade of I	PS#0198, 0437, 0466, 0680	924	03-Nov-14 A	14-May-17	ostantial Comple	HOLLICH COLL	14	May-17, 5	.16 Upo	grade of	PS#019	8, 0437, (0466, 06	80	·									1		†
Engineering Design		273	02-Jan-15 A	02-Oct-15 A	ct-15 A, Engine er	ring Design	} <u>}</u> -		- 						·									†		†
PS71710	EPA Start Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0	02-Jan-15 A		neering Design -	 Ingrada PS#	; 0108 04	37 0466	0680**																	
PS51400	EPA Compliance Date for Engineering Design - Upgrade PS#0198, 0437, 0466, 0680**	0		06-Sep-15 A	ompliance Date 1					108 043	7 0466	0680**														
PS10330	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680	155	01-May-15 A	02-Oct-15 A	neering Design -					7190, 043	7, 0400,	, 0000														
Permitting		140	10-Aug-15 A	28-Dec-15 A	28-Dec-15 A, Pe	erm itting						[[1												
PS71720	EPA Start Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680	0	07-Sep-15 A		art Date for Perm	itting - Upgra	; de PS#0	198, 0437	. 0466.	0680				į												
PS51410	EPA Compliance Date for Permitting - Upgrade PS#0198, 0437, 0466, 0680**	0		05-Dec-15 A	EPA Compliance	Date for Pem	itting - l	Jpgrade F	\$#0198	B, 0437, 0	1466, 06	80**														
PS10430	Permitting - Upgrade PS#0198, 0437, 0466, 0680	141	10-Aug-15 A	28-Dec-15 A	Permitting - Upg	grade PS#019	8, 0437,	0466, 068	30															1		1
Procurement		229		20-Jun-16 A	20~	Jun-16 A, Pro	urem en	t																		
PS71730	EPA Start Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680	0	06-Dec-15 A		EPA Start Date for	r Procuremen	t - Upora	de PS#01	98, 043	7. 0466.	0680															
PS51420	EPA Compliance Date for Procurement - Upgrade PS#0198, 0437, 0466, 0680**	0		02-Jun-16 A		Compliance						0437, 04	66, 0680)**												
PS10490	Procurement - Upgrade PS#0198, 0437, 0466, 0680	230		20-Jun-16 A	Proc	curement - U		S#0198, 0 7, Constru		166, 0680	٠				·											÷
Construction PS71740	EPA Start Date for Construction - Upgrade PS#0198, 0437, 0466, 0680	302	18-Apr-16 A 03-Jun-16 A	13-Feb-17			1 1		1 1																	
PS51430	EPA Compliance Date for Construction - Upgrade PS#0198, 0437, 0466, 0680	0	03-0411-10 A	31-Dec-16*	◆ EPA	Start Date for	!!!		1	! ! "	1 1	1 1														
PS10540	Construction - Upgrade PS#0198, 0437, 0466, 0680	255	18-Apr-16 A	13-Feb-17	┨	EPA		ance Date						37, 0466,	0680											
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	ation 0198 Compliance Project	924	03-Nov-14 A	14-May-17	<u> </u>		Substanti 1/4	al Compl May-17, 5	etion (C. .16 (1) F	D.Comp PumpSta	liance E ation 019	Date 12/3 98 Comp	1/16) - U liance P	parade P roject	\$#0.198.0	437. 0466.	0680									
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PS20290	Pre-Design - PS#0198 Compliance Project	179		30-Apr-15 A					1 1			; ;		į												
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PS12352	Engineering Design - PS#0198 Compliance Project	96	-	04-Aug-15 A	ering Design - P	; S#0198 Com	diance F	Project																		
Permitting		66	10-Aug-15 A	15-Oct-15 A	Dct-15 A, Permitti	ng		1-																		†
PS12362	Permitting - PS#0198 Compliance Project	67	10-Aug-15 A	15-Oct-15 A	Permitting - PS#0			ect																1		
Procurement		162	04-Nov-15 A	14-Apr-16 A	14-Apr-1	6A, Procuren	ent																			
PS33300	Design Documents Sent to Procurement - PS#0198 Compliance Project	0	04-Nov-15 A		sign Documents	Sent to Proc	urement	- PS#019	8 Comp	liance P	roject	1 1														
PS33310	Submit/Approve SBD Goals and Request to Advertise - PS#0198 Compliance Project	26		29-Nov-15 A	Submit/Approve S	BD Goals an	d Reque	st to Adve	rtise - P	S#0 198	Complia	ance Proj	ect													
PS33320	Advertise Bid Package - PS#0198 Compliance Project	0	0. 500 .0		Advertise Bid Pac	ckage - PS#0	198 Cdm	pliahce F	roiect																	
PS33330	Bid Solicitation Period - PS#0198 Compliance Project	31		06-Jan-16 A	Bid Solicitation	Period - PS#	0198 ¢o	mpliance	Project																	
PS33340	Bids Due - PS#0198 Compliance Project	0	06-Jan-16 A		Bids Due - PS#	#0198 Compli	ance Pro	oiect									 									
PS33350	Bid Review Period - PS#0198 Compliance Project	20		25-Jan-16 A	Bid Review Pe	eriod - PS#01	98 Com	oliance Pr	oiect					-			1									
PS41140	Bid Cancellation - PS#0198 Compliance Project	3	26-Jan-16 A	28-Jan-16 A	☐ Bid Cancellat	tiọn - PS#019	Compl	iance Pro	iect								i									
PS41150	Re-Bid Solicitation - PS#0198 Compliance Project	30		09-Mar-16 A	Re-Bid Soli	icitation - PS	#0198 C	omplianc	e Projec	ct																
PS41160	Re-Bids Due - PS#0198 Compliance Project	0	10-Mar-16 A	20.14- 10.1	Re-Bids Du	u <mark>e</mark> - PS # 0198	Complia	ance Proje	ect								:									
PS41170	Re-Bid Review Period - PS#0198 Compliance Project	14	10-Mar-16 A	23-Mar-16 A	■ Re-Bid Re	eview Period	PS#019	98 Compl	iance Pr	roject		1 1	į	į			i			i						
PS33360	Award Recommendation - PS#0198 Compliance Project	0	04 No.: 45 A	23-Mar-16 A		commendation															-					
PS12372	Procurement - PS#0198 Compliance Project	163		14-Apr-16 A	Proci	urement - PS	10198 C	ompliance	Project	t																
PS33370	Final Approvals - PS#0198 Compliance Project	22	24-Mar-16 A	14-Apr-16 A		provals - PS#																				
PS50780	P.O. Issued - PS#0198 Compliance Project	0	10 4 10 4	14-Apr-16 A	P.O. Issu	ued - PS#019	Compl	iance Proi	ect	ction					·									ļļ		
Construction PS33380	Contractor Notice to Proceed (NTP) - PS#0198 Compliance Project	392	18-Apr-16 A 25-Apr-16 A	14-May-17			1 1	- 1	1 1								1				1 1				1	-
PS12382	Construction - PS#0198 Compliance Project	210	· · · · · · · · · · · · · · · · · · ·	13-Feb-17	◆ Contrac	ctor Notice to											:				-					
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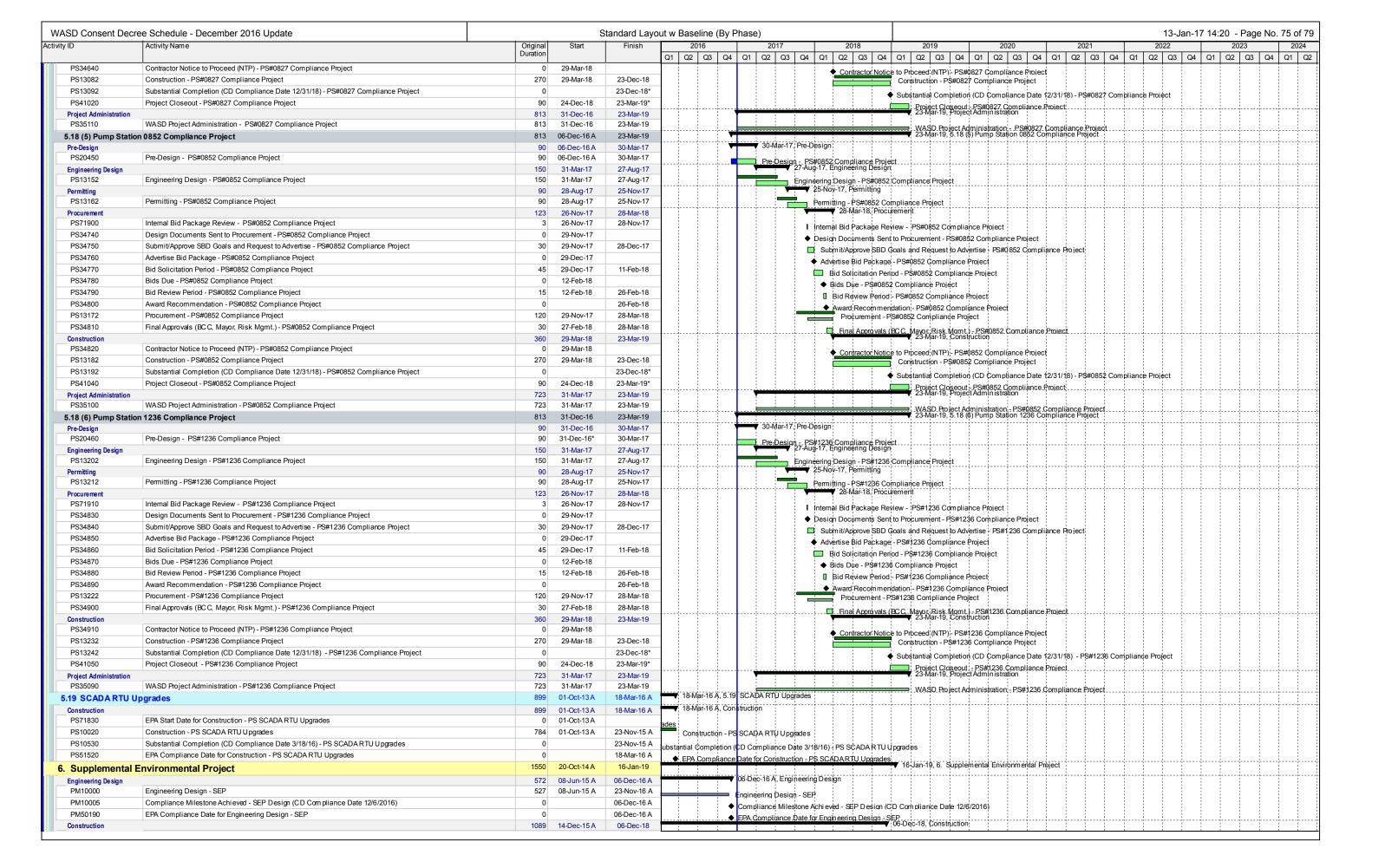
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ctivity ID	Activity Name	Original Duration	Start	Finish		016	Q1 Q2	017 02 04	01	2018			019 Toa T	04 01	2020	2 04 0	202		01 (2022	01 0	2023 2 Q3 Q	2024
PS40880	Project Closeout - PS#0198 Compliance Project	90	14-Feb-17	14-May-17*	Q1 Q2	Q3 Q4	1						Q3	Q4 Q1	QZ Q3	5 Q4 Q	Q2	Q3 Q4	Qi C	22 (23 (A CI C	2 Q3 Q	4 Q1 Q
Project Administration	, y	662	01-May-15 A	14-May-17	1	1 1		Project Clos 14-May-17, I	Project A	dminist	Compliance ration	e.Protect	1		İİ	-11			1				
PS35240	WASD Project Administration - PS#0198 Compliance Project	662	01-May-15 A	14-May-17		! !	;	WASD Proje	ect Admir	nistratio	n - PS#0198 in No. 0437	3 Compliar	nce Proje	ct									
5.16 (2) Pump Station	n No. 0437 Upgrade	879	03-Nov-14 A	30-Mar-17			30-1	Mar-17,¦5.16	3 (2) Pum	p Statio	n No. 0437	Upgrade											
Pre-Design	D. D	178	03-Nov-14 A	30-Apr-15 A	e-Design																		
PS20300	Pre-Design -PS#0437 Upgrade	179 95	03-Nov-14 A 01-May-15 A	30-Apr-15 A 04-Aug-15 A	#0437_Upg	rade eering Desig		·}}											ļļ				
Engineering Design PS12402	Engineering Design - PS#0437 Upgrade	96	01-May-15 A	04-Aug-15 A 04-Aug-15 A	- 1	idn - PS#043				į													
Permitting		67	10-Aug-15 A	16-Oct-15 A	Oct-15 A, P		Opgiade :								 				ļ				
PS12412	Permitting - PS#0437 Upgrade	68	10-Aug-15 A	16-Oct-15 A	Permitting -	-PS#0437 U	grade																
Procurement		145	24-Nov-15 A	17-Apr-16 A		7-Apr-16 A, P							1		1				1 1	1 1			
PS33390	Design Documents Sent to Procurement - PS#0437 Upgrade	0	24-Nov-15 A		esign Doc	uments Sen	to Procurem	ent - PS#04	137 Upgra	ade													
PS33410	Advertise Bid Package - PS#0437 Upgrade	0	09-Dec-15 A		Advertise B	Bid Package	- PS#0437 U	pgrade		Ì													
PS33400	Submit/Approve SBD Goals and Rquest to Advertise - PS#0437 Upgrade	46	24-Nov-15 A	08-Jan-16 A	Submit/A	Approve SBD	Goals and R	quest to Ad	vertise - F	PS#043	7 Upgrade												
PS33420	Bid Solicitation Period - PS#0437 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Bid Solic	itation Perio	- PS#0437	Upgrade															
PS33430	Bids Due - PS#0437 Upgrade	0	09-Jan-16 A	00 1 40 4	→ Bids Due	e - PS#0437	pgrade																
PS33440	Bid Review Period - PS#0437 Upgrade	12	09-Jan-16 A	20-Jan-16 A	Bid Revi	iew Period -	PS#0437 Upg	grade															
PS33450	Award Recommendation - PS#0437 Upgrade	28	21 Jan 16 A	20-Jan-16 A	1 1	1 1	ation - PS#04	1 17															
PS33460 PS50790	Final Approvals - PS#0437 Upgrade P.O. Issued - PS#0437 Upgrade	28	21-Jan-16 A	17-Feb-16 A 17-Feb-16 A	1 1	1 1	S#0437 Upg	i i															
PS12422	Procurement - PS#0437 Upgrade Procurement - PS#0437 Upgrade	146	24-Nov-15 A	17-Feb-16 A 17-Apr-16 A			437 Upgrade nt - PS#0437					!		-									
Construction	. Total Similar Tomoror oppings	347	18-Apr-16 A	30-Mar-17	_	riocuieme		Upgrage Mar-17,; Con	struction						 				 -				
PS33470	Contractor Notice to Proceed (NTP) - PS#0437 Upgrade	0	18-Apr-16 A	55 Midi-17		contractor No	ice to Procee					!		-									
PS12432	Construction - PS#0437 Upgrade	198	02-May-16 A	30-Dec-16 A	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ormacior No		ep (NTP) - P tion - P\$#04				1											
PS12442	Substantial Completion (CD Compliance Date 12/31/16) - PS#0437 Upgrade	0	-	30-Dec-16 A	-	1 1	1 :	1 1		i	nce Date 12	2/31/16) ₋ F	S#0437	: Unamade									
PS40890	Project Closeout - PS#0437 Upgrade	90	31-Dec-16	30-Mar-17*								201/10/-1	0,70437	Opgiade									
Project Administration		655	01-May-15 A	30-Mar-17			30-1	iect Closeo Mar-17, Proj	ect Admi	inistratio	on		- [] -										
PS35230	WASD Project Administration - PS#0437 Upgrade	655	01-May-15 A	30-Mar-17			WA	SD Project	Administ	tration -	PS#0437 Ur 66 Compliai	parade	.ļļ.		ļ				ļļ				
_ ` ' .	n 0466 Compliance Project	875	03-Nov-14 A	19-Jan-17	A Dra Do o		19-Jan-1	7, 5.16 (3) I	Jump Sta	ation 046	66 Compliai	nce Projec	ct .		ļ				ļļ				
Pre-Design	Dre Dagier DC#0466 Campliance Design	263 264	03-Nov-14 A	24-Jul-15 A	A, Pre-Des																		
PS20310 Engineering Design	Pre-Design - PS#0466 Compliance Project	67	03-Nov-14 A 27-Jul-15 A	24-Jul-15 A 02-Oct-15 A	n - PS#046 ct-15 A. En	66 Complian	ce Project								ļ <u> </u>				ļ <u>.</u>				
PS12452	Engineering Design - PS#0466 Compliance Project	68	27-Jul-15 A	02-Oct-15 A	- :	1 1	66 Compliar	re Project				i											
Permitting		0	02-Oct-15 A	02-Oct-15 A	ct-15 A, Pe		Coccupitat	ibe i ioject				· 							 				
PS12462	Permitting - PS#0466 Compliance Project	1	02-Oct-15 A	02-Oct-15 A	Permitting -	- PS#0466 C	ompliance P	roject		}													
Procurement		115	26-Feb-16 A	20-Jun-16 A	V	♥ 20-Jun-16	A, Produrem	ent					-[[]				
PS33480	Design Documents Sent to Procurement - PS#0466 Compliance Project	0	26-Feb-16 A		◆ Desig	gh Documen	ts Sent to Pro	curement -	PS#0466	6 Compl	liance Proje	ect											
PS33490	Submit/Approve SBD Goals and Request to Advertise - PS#0466 Compliance Project	18	26-Feb-16 A	14-Mar-16 A	_ ■ Subr	mit/Approve	SBD Goals a	nd Request	to Adver	tise - PS	8#0466 Cam	npliance P	roject										
PS33500	Advertise Bid Package - PS#0466 Compliance Project	0	15-Mar-16 A		◆ Adve	ertise Bid Pa	kage - PS#0	466 Compl	iance Pro	oject									1 1				
PS33510	Bid Solicitation Period - PS#0466 Compliance Project	32	15-Mar-16 A	15-Apr-16 A	1	1	Period - PS	1000		Project													
PS33520 PS33530	Bids Due - PS#0466 Compliance Project Bid Review Period - PS#0466 Compliance Project	8	15-Apr-16 A 15-Apr-16 A	22-Apr-16 A	1 1	1 1	#0466 Çompl	1 1	i i			1											
PS33540	Award Recommendation - PS#0466 Compliance Project	0	15-Api-10 A	22-Apr-16 A		1 1	od - PS#04	1 1	1 1														
PS12472	Procurement - PS#0466 Compliance Project	116	26-Feb-16 A	20-Jun-16 A	♦ A		mendation - ent - PS#046				ct	1											
PS33550	Final Approvals - PS#0466 Compliance Project	59	23-Apr-16 A	20-Jun-16 A		7)		1 1	1 1	i													
PS50810	P.O. Issued - PS#0466 Compliance Project	0	20-Jun-16 A	20 00.1 1071		1 1 1	ovals - PS#0	1 1 1		- 1		i											
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PS33560	Contractor Notice to Proceed (NTP) - PS#0466 Compliance Project	0	11-Jul-16 A			◆ Contract	or Notice to F	Proceed (NT	P) - PS#0)466 Co	mpliance P	roject		-									
PS12482	Construction - PS#0466 Compliance Project	169	11-Jul-16 A	21-Oct-16 A	_	20.1000		ion - PS#04				-1-91		-									
PS12492	Substantial Completion (CD Compliance Date 12/31/16) - PS#0466 Compliance Project	0		21-Oct-16 A	1	, ♦ s	upstantial Co	mpletion (C	D Comp	oliance [Date 12/31/1	16) - PS#04	466 Com	pliance P	oject			1					
PS40900	Project Closeout - PS#0466 Compliance Project	90	22-Oct-16 A	19-Jan-17*	<u> </u>	<u>.ll</u> =	i i	i i	- 1	i	ance Project	i i	.ļļ.		ļļ				ļ				
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PS35220	WASD Project Administration - PS#0466 Compliance Project	609	27-Jul-15 A	19-Jan-17			WASD F	roject Adm	inistration	nPS#0	0466 Compli 0680 Upgra	iance Proi	ect		ļ				ļļ				
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Engineering Design		95	01-May-15 A	04-Aug-15 A	5 A, Engine	grade eering Desig	n 	† 				· 	·†	 	t								
PS12502	Engineering Design - PS#0680 Upgrade	96	01-May-15 A	04-Aug-15 A	- 1	ign - PS#068	1			-													
Permitting		140	10-Aug-15 A	28-Dec-15 A		5A, Permitti		1						 	† <u>†</u>								
PS12512	Permitting - PS#0680 Upgrade	141	10-Aug-15 A	28-Dec-15 A		g - PS#0680																	
Procurement		85		17-Feb-16 A	17-Feb	b-16 A, Proci	lement																
PS33570	Design Documents Sent to Procurement - PS#0680 Upgrade	0	24-Nov-15 A		esign Doc	uments Sen	to Procurem	ent - PS#06	80 Upgra	ade													
PS33580	Submit/Approve SBD Goals and Request to Advertise - PS#0680 Upgrade	16	24-Nov-15 A	09-Dec-15 A	Submit/Apr	prove SBD G	oals and Red	uest to Adv	ertise - P	S#0680	Upgrade	-											
PS33590	Advertise Bid Package - PS#0680 Upgrade	0	09-Dec-15 A		Advertise B	Bid Package	- PS#0680 U	pgrade				1		-									
PS33600	Bid Solicitation Period - PS#0680 Upgrade	31	09-Dec-15 A	08-Jan-16 A	Bid Solic	itation Perio	d - PS#0680	Upgrade															
PS33610	Bids Due - PS#0680 Upgrade	0	09-Jan-16 A	20 Ion 40 f	1 1	e - PS#0680	1 :					ļ											
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PS33630	Award Recommendation - PS#0680 Upgrade	0		20-Jan-16 A 17-Feb-16 A	◆ Award R	Recommend	ation - PS#06 nt - PS#0680	80 Upgrade				į											
PS12522	Procurement - PS#0680 Upgrade	86	24-Nov-15 A																				

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PS33640	Final Approvals - PS#0680 Upgrade	28	21-Jan-16 A	17-Feb-16 A				Q1 QZ	Q0 Q7	Q1 Q2	2 00 0	7 Q1	QZ Q0	प्रम प्रा	1 QZ Q3	Q+ Q	(1 Q2	QU QT	Q1 Q2	1 00	Q+ Q
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PS33650	Contractor Notice to Proceed (NTP) - PS#0680 Upgrade	0	18-Apr-16 A	OT Mai 17	i i i	1 1	i i	i i													
PS12532	Construction - PS#0680 Upgrade	210	18-Apr-16 A	01-Dec-16 A	◆ Contractor No	Construction			ie												
PS12542	Substantial Completion (CD Compliance Date 12/31/16) - PS#0680 Upgrade	0	10741.1071	01-Dec-16 A					_												
PS40910	. , , , , , , , , , , , , , , , , , , ,	90	02-Dec-16 A	01-Mar-17*	-	Substantial Co	1 1	1 1	- 1	I2/31/16) - P	'S#0680 Upg	rade									
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PS35210	WASD Project Administration - PS#0680 Upgrade		01-May-15 A	01-Mar-17		WASD I	Project Adm	inistration - 31-M	PS#0680 L	Jograde	₩			ļ <u> </u>							
	PS#0037, 0351, 0370, 0403	909	05-Oct-15 A	31-Mar-18	05.0	1 1			ai-10, 5.17												
Engineering Design		392	05-Oct-15 A	05-Sep-16 A	05-8	Sep-16 A, Engine	ering Desig	jn													
PS71750	EPA Start Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	0	02-Jan-16 A		EPA Start Date for En	gineering Desig	n - Upgrade	PS#0037, 0	351, 0370,	, 0403							i				
PS10510	Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	337	05-Oct-15 A	05-Sep-16 A	Engi	in <mark>e</mark> ering Design	- Upgrade	PS#0037, 03	51, 0370, 0	0403		-					1			1 1	- 1
PS51440	EPA Compliance Date for Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	0		05-Sep-16 A	◆ FPA	Compliance Da	te for Engi	neering Desi	an - Unarad	de PS#0037	7 0351 0370	0403									
Permitting		256	05-Jun-16 A	15-Feb-17	V	Compliance Da 15-Feb÷1	7, Permittir	g	4.5.2.00												
PS71760	EPA Start Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403	0	06-Sep-16 A		▲ EDA	Start Date for Po	amitting	Immade DS#	0037 0351	1 0370 040	13										
PS10620	Permitting - Upgrade PS#0037, 0351, 0370, 0403	172	05-Jun-16 A	01-Feb-17	1 1 1 1 1 1			PS#0037, 0				1 1									
PS51450	EPA Compliance Date for Permitting - Upgrade PS#0037, 0351, 0370, 0403	0		15-Feb-17*		T		1 1	1	i i	2 0054 00	70 0400									
Procurement		128	23-Nov-16 A	06-Apr-17	 	 EPA_Com	ıрпапсе Da r-17; Procu	rement	ıı rı dı - "N bdu	aue PS#UU:	3.4, 0351, 03	1.U, U4U3		† 					7		
PS71770	EPA Start Date for Procurement - Upgrade PS#0037, 0351, 0370, 0403	0	29-Dec-16 A	20 / pi 17	1			1 1	1			1 1									
PS10690	Procurement - Upgrade PS#0037, 0351, 0370, 0403	92		05-Apr-17	1	EPA Start Da		urement - Up ograde PS#0													
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PS51460	EFA Compilance Date for Floculement - Opgrace F3#0037, 0301, 0370, 0403	-	00 447	· ·			Compliance	Date for Pro 31-Dec-17,	Construct	- Upgrade P	PS#0037,103	5.1,¦037.0,¦0	403 ¦	 					44		
Construction	FDA 04-4 Data for Construction University D040007 0004 0070 0400	270		31-Dec-17		1 1		51-1500-17,	Construct												
PS71780	EPA Start Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	0	06-Apr-17*		1	◆ EPA S	Start Date for	or Construction													
PS10720	Construction - Upgrade PS#0037, 0351, 0370, 0403	270	06-Apr-17	31-Dec-17	-			Construction	on - Upgrad	de PS#0037	', 0351, 0370), 0403									
PS10750	Substantial Completion (CD Compliance Date 12/31/17) - Upgrade PS#0037, 0351, 0370, 0403	0		31-Dec-17*			- 1	Substantia	l Completi	ion (CD Con	mpliance Da	te 12/31/1	7) - Upgrade	PS#0037	, 0351, 0370,	0403					- 1
PS51470	EPA Compliance Date for Construction - Upgrade PS#0037, 0351, 0370, 0403	0		31-Dec-17*	1			EPA Comp 31-M	liance Dat	te for Constr	ruction Upo	rade PS#0	037, 035.1,	0370, 0403	3						
5.17 (1) Pump Sta	ation 0037 Compliance Project	909	05-Oct-15 A	31-Mar-18				31-M	ar-18, 5.17	(1) Pump S	Station 0037	Complian	ce Project								
Pre-Design		68	31-Jan-16 A	08-Apr-16 A	08-Apr-16 A, Pr	e Design															
PS20330	Negotiate Design Scope & Fee - PS#0037 Compliance Project	69	31-Jan-16 A	08-Apr-16 A	Negotiate Desi	ion Scope & Fee	- PS#003	7 Compliand	e Project												- 1
Engineering Design		315	05-Oct-15 A	15-Aug-16 A	Negotiate Desi	g 16 A Enginee	ing Design	וואואואואואואו	0.1.10,000										1 1		1
PS35020	Site Selection - PS#0037 Compliance Project	2	23-Nov-15 A	24-Nov-15 A	ite Selection - PS#003	7 Compliance F	miect														
PS35010	Preliminary Engineering/Site Assessment Report - PS#0037 Compliance Project	79	05-Oct-15 A	22-Dec-15 A	1 1 1	11 1	- 1	, DO#0007		Desire la		1 1					- 1				
PS35030	Land Acquisition - PS#0037 Compliance Project	98	24-Nov-15 A	29-Feb-16 A	Preliminary Engineeri	1 1	- 1	i i	Jonnonanc	e Piolect											
PS50480	30% Design Submittal - PS#0037 Compliance Project	53	12-Apr-16 A	03-Jun-16 A	Land Acquisition	1 1															
PS50490	30% Design Review - PS#0037 Compliance Project	7	04-Jun-16 A	10-Jun-16 A	30% Desig	1 1	- 1	i i	i			- 1					- 1				
PS50500	90% Design Submittal - PS#0037 Compliance Project	56	11-Jun-16 A	05-Aug-16 A	1 1 1	gn Review - P\$#		!!!													
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PS12552	Engineering Design - PS#0037 Compliance Project	316		15-Aug-16 A	Engi	ineering Design	- PS#0037	Compliance	Project			1 1									
PS41180	90% Design Review - PS#0037 Compliance Project	10	06-Aug-16 A	15-Aug-16 A		Design Review - 28-Jan-17	PS#0037.	Compliance	Project					ļļ							
Permitting		172	05-Jun-16 A	28-Jan-17	1	28-Jan-1/	Permitting	' ! !	1												
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	22	14-Oct-16 A	02-Nov-16 A	_	FDOT Utility Per	mit - PS#0	37 Complia	nce Proiec	t		-					1			1 1	
PS41710	RER DERM Permit - PS#0037 Compliance Project	74	16-Aug-16 A	01-Dec-16 A		RER DERM P															
PS12562	Permitting - PS#0037 Compliance Project	172	05-Jun-16 A	13-Dec-16 A		Permitting -															
PS41740	City Of Miami Public Works Permit - PS#0037 Compliance Project	22	24-Oct-16 A	13-Dec-16 A	T T T T	City Of Miam	Dublic W	rko Dormit	DC#0D27 (Chmplidnos	Project	- 1					- 1				- 1
PS41720	City Of Miami Building Dept Permit - PS#0037 Compliance Project	22	24-Oct-16 A	28-Jan-17		- 1				1 1	1 - 1										
Procurement		105	23-Nov-16 A	05-Apr-17	T	City Of Mi	r-17, Procu	rement	IIPS#003	37 Compilai	nce Protect			ii					ii		
PS33660	Design Documents Sent to Procurement - PS#0037 Compliance Project	0	23-Nov-16 A	, a. p				1 1	1	1 1	1 1										- 1
PS33670	Submit/Approve SBD Goals and Request to Advertise - PS#0037 Compliance Project	30	23-Nov-16 A	22-Jan-17	1 1 1 1	Design Docum		1 1	i i	1 1	1 7	- i - i									
PS33680	Advertise Bid Package - PS#0037 Compliance Project	0	23-Jan-17		-	Submit/Ap					-S#0037 Co	m pliance l	roject								
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PS33690	Bid Solicitation Period - PS#0037 Compliance Project	30	23-Jan-17	21-Feb-17	-	■ Bid Solid	itation Per	od - PS#003	7 Complia	nce Project											- 1
PS33700	Bids Due - PS#0037 Compliance Project	0	22-Feb-17		1 1 1 1	♦ Bids Due	e - PS#003	Compliance	e Project												
PS33710	Bid Review Period - PS#0037 Compliance Project	14	22-Feb-17	07-Mar-17		■ Bid Rev	iew Period	- PS#0037 C	ompliance	e Project											
PS33720	Award Recommendation - PS#0037 Compliance Project	0		07-Mar-17		◆ Award F	Recommen	dation - PS#	0037 Com	pliance Proj	ject	1 1									
PS12572	Procurement - PS#0037 Compliance Project	105	23-Nov-16 A	05-Apr-17		Procu	rem ent - P	S#0037 Com	pliance Pro	oject											
PS33730	Final Approvals - PS#0037 Compliance Project	29	08-Mar-17	05-Apr-17		Final	Anorovals -	PS#0037 Co	mpliance	Project											
Construction		360	06-Apr-17	31-Mar-18		13(30)	1	PS#0037 Cc 31-M	ar-18, Con	struction				ii		-11			1 1		
PS33740	Contractor Notice to Proceed (NTP) - PS#0037 Compliance Project	0	06-Apr-17		1	- Colum	actor Notic	e to Proceed	(NTD) DO	s#0037 ^~~	ndiance D-	iect									
PS12582	Construction - PS#0037 Compliance Project	270	· · · · · · · · · · · · · · · · · · ·	31-Dec-17	1	Contr	AUTOLI INOLIO				ance Project										
PS12592	Substantial Completion (CD Compliance Date 12/31/17) - PS#0037 Compliance Project	0	•	31-Dec-17*	1		1	1 1	1	1 1	1 1	- 1									
PS40920	Project Closeout - PS#0037 Compliance Project	90	01-Jan-18	31-Mar-18*	1			Substantia						v Complia	nce Project	1 1	- 1			1 1	- 1
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PS20340	Pre-Design - PS#0351 Upgrade	89	15-Jan-16 A	12-Apr-16 A	Pre-Design I	PS#0351 Upgrad ig 16 A, Enginee	le							ļ					44		
Engineering Design		125	12-Apr-16 A	15-Aug-16 A	1:5-Au	ig 16 A, Enginèe	ແມີລ ກູຮາຊີເ	1													
PS50510	30% Design Submittal - PS#0351 Upgrade	53	12-Apr-16 A	03-Jun-16 A	30% Design	n Submittal D	2#0251 115	amde !	1	1 1	1 1	1 1	1	1 1	1 1	1 1	1	: :	1 1	1 1	1

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tivity ID	Activity Name	Original Duration	Start	Finish	2016		2017	24 0	201		4 04	201		4 04	2020		1 01	2021	2 04	04	2022	1.04		2023	104	2024
PS50520	30% Design Review - PS#0351 Upgrade	7	04-Jun-16 A	10-Jun-16 A		3 Q4 Q1 (Q3 C	4 Q1	Q2	Q3 Q	4 Q1	Q2 0	23 Q4	l Q1	Q2 C	3 Q4	Q1	Q2 Q3	Q4	Q1 Q	12 Q3	Q4	21 (
PS50530	90% Design Neview - P 3#0351 Upgrade	56	11-Jun-16 A	05-Aug-16 A	1 1 1	6 Design Review	1 1		9 9																	
PS12602	Engineering Design - PS#0351 Upgrade	126	12-Apr-16 A	15-Aug-16 A		90% Design Sub Engineering De				1																
PS50540	90% Design Review - PS#0351 Upgrade	10	06-Aug-16 A	15-Aug-16 A			ĭ :																			
Permitting		170	15-Aug-16 A	10-Jan-17	 	. 90% Design Re 10-Jai	n-17, Permiti	ing	rade						ii										+	
PS41750	RER DERM Permit - PS#0351 Upgrade	60	16-Aug-16 A	06-Dec-16 A	1 -	RER DE	RM Permit -	PS#035	1 Upgrad	e								į								
PS12612	Permitting - PS#0351 Upgrade	114	15-Aug-16 A	10-Jan-17	1		tting - PS#03																		1 1	
PS41760	Municipal PW Permit - PS#0351 Upgrade	32	24-Oct-16 A	10-Jan-17		Munic	ipal PW Per	mit - PS	#0351 Ur	ograde																
PS41780	City of Miami Gardens Building Dept Permit - PS#0351 Upgrade	32	24-Oct-16 A	10-Jan-17		1 1	Miami Gard	i	i (1	- PS#035	1 Upgra	ade													
PS50760	MDDTPW Permit - PS#0351 Upgrade	32	24-Oct-16 A	10-Jan-17		: :	: :		1 1	- 1		. Opg.														
Procurement		105	23-Nov-16 A	05-Apr-17		V	PW Permit 05-Apr-17, P	rocurem	ent							-	1				1					
PS33750	Design Documents Sent to Procurement - PS#0351 Upgrade	0	23-Nov-16 A			◆ Design D	ocuments S	ent to P	rocureme	nt - PS#0	351 Upg	rade						i								
PS33760	Submit/Approve SBD Goals and Request to Advertise - PS#0351 Upgrade	30	23-Nov-16 A	22-Jan-17	1	Subm	it/Approve S	SBD Go	als and R	equest to	Advertise	e - PS#0	0351 Up	grade												
PS33770	Advertise Bid Package - PS#0351 Upgrade	0	24-Jan-17			◆ Adve	rtise Bid Pac	kage -	PS#0351	Upgrade																
PS33780	Bid Solicitation Period - PS#0351 Upgrade	30	24-Jan-17	22-Feb-17]	■ Bid	Solicitation	Period	- PS#035	1 Upgrad	e							i								
PS33790	Bids Due - PS#0351 Upgrade	0	23-Feb-17		1	♦ Bio	ls Due - PS#	0351 U	ograde	į																
PS33800	Bid Review Period - PS#0351 Upgrade	14	23-Feb-17	08-Mar-17		□ Bi	d Review Pe	riod - P	S#0351 U	pgrade			- 1	i		1										
PS33810	Award Recommendation - PS#0351 Upgrade	0		08-Mar-17	1		vard Recom				grade		}													
PS12622	Procurement - PS#0351 Upgrade	105	23-Nov-16 A	05-Apr-17	1		Procurem en																			
PS33820	Final Approvals - PS#0351 Upgrade	28	09-Mar-17	05-Apr-17	ļ <u>i</u> i		Final Approv	alsPS	#0351 U	grade.	netrici				ļļ											
Construction	Contractor Notice to Droceed (NTD) DS#0354 Lloamdo	360	06-Apr-17	31-Mar-18		1 1	1 1	1	- 1	;	1 1	: :														
PS33830	Contractor Notice to Proceed (NTP) - PS#0351 Upgrade	0	06-Apr-17	24 Do- 47	-	•	Contractor N						•													
PS12632	Construction - PS#0351 Upgrade	270	06-Apr-17	31-Dec-17	-			<u> </u>	onstruction	on - PS#0	1351 Upgi	ade						į								
PS12642	Substantial Completion (CD Compliance Date 12/31/17) - PS#0351 Upgrade	0	01 lan 10	31-Dec-17*	-			♦ S	ubstantia				- 1	te 12/31	(17) - PS#	1035 Up	ograde									
PS40930	Project Closeout - PS#0351 Upgrade	90	01-Jan-18	31-Mar-18*	ļ <u></u>				Proje	ct Close	out - PS# oject Adm	0351 Ur	pgrade	·	ļ											
Project Administratio PS35190	WASD Project Administration - PS#0351 Upgrade	704 704	12-Apr-16 A 12-Apr-16 A	31-Mar-18 31-Mar-18	1 1				- 1 - 1	- 1	- ;		- ;					i								
	ation No. 0370 Upgrade and Installation of FM	837	16-Dec-15 A	31-Mar-18					■ WA\$ ■ 31-M	D Project ar-18, 5, 1	t Adminis 17 (3) Pun	tration : no Stati	- PS#035 on No. 0	51 Upgra 370 Upo	de rade and	Installat	ion of FN	л -								
Pre-Design	audit No. 0370 Opgrade and installation of FM	117	16-Dec-15 A	11-Apr-16 A	11-Apr-1	16 A, Pre Design																				
PS20360	Pre-Design - PS#0370 Upgrade and FM Installation	118	16-Dec-15 A	11-Apr-16 A	1 ()	1 7				į																
Engineering Design		133	12-Apr-16 A	23-Aug-16 A	. Pre-Des	sign - P <mark>S</mark> #0370 U 7 23-Aug-16 A, Er	pgrade and gineering D	esign	utation				-	·	†							†				
PS50550	30% Design Submittal - PS#0370 Upgrade and FM Installation	49	12-Apr-16 A	30-May-16 A	30%	Design Submitta	DS#0370	Unama	le and EM	Inetallat	ion															
PS50560	30% Design Review - PS#0370 Upgrade and FM Installation	18	31-May-16 A	17-Jun-16 A	1 1 1	% Design Review	1 1											į								
PS50570	90% Design Submittal - PS#0370 Upgrade and FM Installation	35	18-Jun-16 A	22-Jul-16 A	1 1 1	90% Design Subr	i i	1	i i	i	i i															
PS12702	Engineering Design - PS#0370 Upgrade and FM Installation	134	12-Apr-16 A	23-Aug-16 A		Engineering De																				
PS50580	90% Design Review - PS#0370 Upgrade and FM Installation	32	23-Jul-16 A	23-Aug-16 A	1	90% Design Re	view - PS#0	370 Un	rade and	FM Insta	llation							i								
Permitting		159	24-Aug-16 A	15-Feb-17	_	90% Design Re 15-l	eb-17, Pem	itting	1	3336113010	10010213	[I]										
PS50590	RER DERM Permit - PS#0370 Upgrade and FM Installation	53	24-Aug-16 A	06-Dec-16 A		RER DE	RM Pem it -	PS#037	0 Upgrad	e and FN	/ Installat	ion						İ								
PS12712	Permitting - PS#0370 Upgrade and FM Installation	83	24-Aug-16 A	15-Feb-17			mitting - PS#											i								
PS50600	RER Building Dept. Permit - PS#0370 Upgrade and FM Installation	30	08-Dec-16 A	15-Feb-17		REI	R Building D	ept. Per	mit - PS#	0370 Up	grade and	I FM Ins	stallation													
PS50730	City of Miami Gardens Building Dept. Permit - PS#0370 Upgrade and FM Installation	30	08-Dec-16 A	15-Feb-17		City	of Miami G	ardens	Building E	ept. Pen	mit - PS#	0370 Ur	pgrade a	; nd FM In	stallation	,		į								
PS50740	MDDTPW Permit - PS#0370 Upgrade and FM Installation	30	08-Dec-16 A	15-Feb-17		MD MD	DTPW Perm	it - PS#	0370 Upg	rade and	FM Insta	llation														
PS50750	Municipal PWD Permit - PS#0370 Upgrade and FM Installation	30	08-Dec-16 A	15-Feb-17	1	Mui	nicipal PWD 05-Apr-17, P	Permit	- PS#037	0_Upgrac	le and FM	Installa	ation		ļ											
Procurement		112	23-Nov-16 A	05-Apr-17		—	05-Apr-17, P	rocurem	ent	į						i		- 1								
PS33930	Design Documents Sent to Procurement - PS#0370 Upgrade and FM Installation	0	23-Nov-16 A		1	◆ Design D	ocuments S	ent to P	rocureme	nt - PS#0	370 Upg	rade and	d FM Ins	tallation												
PS33940	Submit/Approve SBD Goals and Request to Advertise - PS#0370 Upgrade and FM Installation	30	23-Nov-16 A	22-Jan-17		Subm	it/Approve S	BD Go	als and R	equest to	Advertise	e - PS#0	0370 Up	gra¦de a n	d FM In st	allation										
PS33950	Advertise Bid Package - PS#0370 Upgrade and FM Installation	0	24-Jan-17	00 = 1 :=	-	◆ Adve	rtise Bid Pad	kage -	PS#0370	Upgrade	and FM I	nstallati	ion													
PS33960	Bid Solicitation Period - PS#0370 Upgrade and FM Installation	30	24-Jan-17	22-Feb-17	-	■ Bid	Solicitation	Period	- PS#0370) Upgrad	e and FM	Installa	ation	i												
PS33970	Bids Due - PS#0370 Upgrade and FM Installation	0	23-Feb-17	00 14- 17	-	◆ Bio	ls Due - PS#	0370 U	ograde an	d FM Ins	tallation									- 1						
PS33980	Bid Review Period - PS#0370 Upgrade and FM Installation	14	23-Feb-17	08-Mar-17	-	□ Bi	d Review Pe	riod - P	S#0370 U	pgrade a	nd FM In	stallatio	on			Ì		į								
PS33990	Award Recommendation - PS#0370 Upgrade and FM Installation	0	00 N : 40 A	08-Mar-17	-		vard Recom						tallation													
PS12722	Procurement - PS#0370 Upgrade and FM Installation	90	23-Nov-16 A	05-Apr-17	-		Procurem en		()	1																
PS34000	Final Approvals - PS#0370 Upgrade and FM Installation	28	09-Mar-17	05-Apr-17			Final Approv	alsPS	#0370 Up	orade ar	d EM Inst	tallation	ı .												. -	
Construction PS34010	Contractor Notice to Proceed (NTP) - PS#0370 Upgrade and FM Installation	360	06-Apr-17 06-Apr-17	31-Mar-18	1		1 1	1	1 1	1	1		1													
PS41790	Issue PO - PS#0370 Upgrade and FM Installation	0	06-Apr-17		1		Contractor N	1	1 1		1 1		and FM	Installa	ion											
PS12732	Construction - PS#0370 Upgrade and FM Installation	270	06-Apr-17	31-Dec-17	1	1	Issue PO - F		Upgrade onstruction				d EM los	tallation									i			
PS12742	Substantial Completion (CD Compliance Date 12/31/17) - PS#0370 Upgrade and FM Installation	0	007tpi 17	31-Dec-17*	1	-	: :		- 1	į.			1		1 1											
PS40950	Project Closeout - PS#0370 Upgrade and FM Installation	90	01-Jan-18	31-Mar-18*	1			♦ S	ubstantia	i i	1 1		i	i i	i i i	1 1	ograde a	nd FM Ins	tallation							
Project Administratio		667	12-Apr-16 A	31-Mar-18	 				Proje 31-M	ct Close ar-18, Pro	out - PS# oject Adm	บ370 Ur iinistrat	pgrade a ion	na FM In	stallation	٠						+				
PS35170	WASD Project Administration - PS#0370 Upgrade and FM Installation	667	12-Apr-16 A	31-Mar-18	1				- 1	1		1	1	- 1	: :	- 1	otion									
	ation 0403 Upgrade	837	16-Dec-15 A	31-Mar-18		:			31-M	ar-18, 5.1	t Adminis 17 (4) Pun	np Stati	- л о л из <i>и</i> on 0403	Upgrade	ue anditi	ນ ງເເຮັເສໄໄຊ້ ່	auun									
Pre-Design	.•	117	16-Dec-15 A	11-Apr-16 A	11-Apr-1	16 A, Pre Design						[-		·		·									- -	
PS20380	Pre-Design - PS#0403 Upgrade	118	16-Dec-15 A	11-Apr-16 A	Pre-Des	sion - PS#0403	ograde			!																
Engineering Design		147	11-Apr-16 A	05-Sep-16 A	. J. (G-1265	sign - PS#0403 Ui ▼ 05-Sep-16 A E	ngineering I	Design	7			[<u> </u> -	<u>f</u>		[<u>i</u>		7				·				T	
PS50610	30% Design Submittal - PS#0403 Upgrade	63	12-Apr-16 A	13-Jun-16 A	30%	; % Design Submit	al - PS#040:	3 Upara	de																	
PS50640	30% Design Review - PS#0403 Upgrade	37	14-Jun-16 A	20-Jul-16 A	1 1 1	30% Design Revie				i !								İ								
	90% Design Submittal - PS#0403 Upgrade	44	21-Jul-16 A	30-Aug-16 A	1 1	90% Design Su	1 1	1	1 1	- ;	- : :	: :	1	- 1	1 1	1			- 1			1 1			1 1	- 1







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PM50010	Construction Summary - SEP	1023	14-Dec-15 A	18-Oct-18			Construction Summaly - SEP
PM10015	Substantial Completion - SEP Construction (CD Compliance Date 12/6/2018)	0		18-Oct-18*			♦ Substantial Completion - SEP Construction (CD Compliance Date 12/6/2018)
PM50200	EPA Compliance Date for Construction Summary - SEP	0		06-Dec-18*		<u>.jj.</u>	◆ EPA Compliance Date for Construction Summary- SEP: ▼ 16-Jan-19, 6.0 Supplemental Environmental Project (SEP)
.0 Supplemental I	Environmental Project (SEP)	1550		16-Jan-19			▼ 16-Jan-19, 6.0 Supplemental Environmental Project (SEP)
Pre-Design	D. D	230	20-Oct-14 A	07-Jun-15 A	Pre-De sig	gn	
PM10190	Pre-Design - SEP	231 527	20-Oct-14 A 08-Jun-15 A	07-Jun-15 A 23-Nov-16 A	SEP	<u></u> .	▼ 23-Nov-16 A Engineering Design
Engineering Design PM20000	Basis of Design Report (BODR) - SEP	99	08-Jun-15 A	14-Sep-15 A			
PM20010	BODR Review Period - SEP	53	15-Sep-15 A	06-Nov-15 A	1 1	Report (BOD	
PM21111	Negotiate Scope & Fee for Balance of Design - SEP	173	28-Aug-15 A	16-Feb-16 A	DDK Revie	ew Period - SE	
PM20020	30% Design Submittal - SEP	136	17-Feb-16 A	01-Jul-16 A	Nego	1 1	e & Fee for Balance of Design - SEP lesion Submittal - SEP
PM20030	30% Design Review - SEP	17	02-Jul-16 A	18-Jul-16 A		i i	Design Réview - SEP
PM20040	60% Design Submittal - SEP	60	19-Jul-16 A	16-Sep-16 A		1 1	0% Design Submittal † SEP
PM20050	60% Design Review - SEP	7	17-Sep-16 A	23-Sep-16 A		i i	10% Design Review - SEP
PM20060	100% Design Submittal - SEP	53	24-Sep-16 A	23-Nov-16 A	1		100% Design Submittal - SEP. 13-Apr-17, Permitting
Permitting	TD 0770 W 0770	135	23-Nov-16 A	13-Apr-17		_	7 13-Apr-17, Permitting
PM50170	FDOT Permit - SEP	120	23-Nov-16 A	29-Mar-17	_		FDOT Permit - SEP
PM10170	Pemitting - SEP	120 91	23-Nov-16 A	13-Apr-17	+		Permitting - SEP
PM50150 PM50160	RER (DERM) Permit - SEP MDDTPW Permit - SEP	91	13-Jan-17* 13-Jan-17	13-Apr-17 13-Apr-17	+		RER (DERM) Permit -SEP
Procurement	MDD II W I GIIIIL - GEI	153	13-Jan-17 14-Apr-17	13-Apr-17	 		MDDTPW Permit - SEP. 13-Sep-17, Procurement
PM50210	Internal Bid Package Review - SEP	3	14-Apr-17	16-Apr-17			
PM35010	Design Documents Sent to Procurement - SEP	0	•	,			I Intérnal Bid Package Review - SEP ◆ Design Documents Sent to Procurement - SEP
PM35020	Submit/Approve SBD Goals and Request to Advertise - SEP	45	17-Apr-17	31-May-17			Submit/Approve SBD Goals and Request to Advertise - SEP
PM35030	Advertise Bid Package - SEP	0	01-Jun-17				◆ Advertise Bid Package - SEP
PM35040	Bid Solicitation Period - SEP	45	01-Jun-17	15-Jul-17			□ Bid Solicitation, Period - SEP
PM35050	Bids Due - SEP	0	16-Jul-17				♦ Bids Due-SEP
PM35060	Bid Review Period - SEP	30	16-Jul-17	14-Aug-17			■ Bid Review Period - SEP
PM35070	Award Recommendation - SEP	0		14-Aug-17			◆ Award Recommendation - SEP
PM10180	Procurement - SEP	150	17-Apr-17	13-Sep-17	_		Procurement - SEP
PM35080	Final Approvals (BC C, Mayor, Risk Mgmt.) - SEP	30	15-Aug-17	13-Sep-17			Final Approvals (BCC, Mayor, Risk Mgmt.): SEP. 16:Jan-19, Construction
Construction PM35090	Contractor Notice to Proceed (NTP) - SEP	490	14-Sep-17 14-Sep-17	16-Jan-19	-		
PM50140	Issue PO - SEP	0	14-Sep-17		-		◆ Contractor Notice to Proceed (NTP) - SEP
PM10010	Construction - SEP	400	14-Sep-17	18-Oct-18	_		♦ Issue PO - SEP
PM10160	SEP Completion Report to EPA	30	19-Oct-18	17-Nov-18	-		Construction - \$EP
PM50110	Project Closeout - SEP	90	19-Oct-18	16-Jan-19*			SEP Completion Report to EPA
Project Administration	1	1302	08-Jun-15 A	16-Jan-19			Project Closeout - SEP 16;Jan-19, Project Administration
PM50100	WASD Project Administration - SEP	1302	08-Jun-15 A	16-Jan-19			
5.1 SEP (Early Pha	ase Work)	539	09-Jun-15 A	31-Jan-17			→ 31-Jan-17, 6.1 SEP (Early Phase Work)
Engineering Design			09-Jun-15 A	20-Jul-15 A	A, Engine	ering Design	,n
PM30000	Design - Early Phase SEP	42		20-Jul-15 A	Early Phas	e SEP	
Permitting PM30010	Permitting - Early Phase SEP	2	21-Jul-15 A 21-Jul-15 A	23-Jul-15 A 23-Jul-15 A	A, Permit		
Procurement	remitting - Lany Flase SLF	94	08-Sep-15 A	11-Dec-15 A	1 Early P 11-Dec-15	hase SEP A, Procuremo	ment · · · · · · · · · · · · · · · · · · ·
PM35100	Design Documents Sent to Procurement - Early Phase SEP		08-Sep-15 A	11-DCC-13 A	- i	i i	
PM35110	Submit/Approve SBD Goals and Request to Advertise - Early Phase SEP	21		28-Sep-15 A		1 1	Procurement - Early Phase SEP als and Request to Advertise + Early Phase SEP
PM35120	Advertise Bid Package - Early Phase SEP	0	28-Sep-15 A		1	1.1	and Request to Adventise - Carry Phase SEP
PM35130	Bid Solicitation Period - Early Phase SEP	23	28-Sep-15 A	20-Oct-15 A	1 1	1 1	Early Phase SEP
PM35140	Bids Due - Early Phase SEP	0	21-Oct-15 A		1 !	arly Phase SEI	
PM35150	Bid Review Period - Early Phase SEP	9	21-Oct-15 A	29-Oct-15 A	1	i i	ny Phase SEP
PM35160	Award Recommendation - Early Phase SEP	0		29-Oct-15 A	ard Recor	mmendation -	on - Early Phase SEP
PM35170	Final Approvals (BCC, Mayor, Risk Mgmt.) - Early Phase SEP	18	30-Oct-15 A	16-Nov-15 A		vals (BCC, Ma	Mayor, Risk Mgmt.) - Early Phase SEP
PM50180	P.O. Issued - Early Phase SEP	0		16-Nov-15 A	O. Issued	I - Early Phase	ise SEP
PM30020	Procurement - Contractor Bid &Award - Early Phase SEP	95	08-Sep-15 A	11-Dec-15 A	Procurem	ent - Contract	actor Bid & Award - Early Phase SEP 31-Jan-17, Construction
Construction PM35180	Contractor Notice to Proceed (NTP) - Early Phase SEP	351	14-Dec-15 A 14-Dec-15 A	31-Jan-17	- 1	1 1	
PM30030	Construction - Early Phase SEP	247	14-Dec-15 A	16-Aug-16 A	Contracto	i i	Propeed (NTP) -Early Phase SEP
PM50120	Project Closeout - Early Phase SEP	104	17-Aug-16 A	31-Jan-17*	1	Constr	nstruction - Early/Phase SEP
Project Administration		539	09-Jun-15 A	31-Jan-17			Project Closeout - Early Phase SEP. 7 31-Jan-17, Project Administration
PM50090	WASD Project Administration - Early Phase SEP	539	09-Jun-15 A	31-Jan-17			WASD Project Administration - Early Phase SEP
Capacity, Mar	nagement, Operations & Maint. (CMOM) Program	5546	01-Oct-13 A	06-Dec-28			
	rg, Transmission, & Treatment Capacity Program	180	06-Dec-13 A	04-Jun-14 A	smission	, & Treatment	ent Capacity Program
General Compliance A		180	06-Dec-13 A	04-Jun-14 A	ivity		
CM10020	Amend Section 24-42.3 of Code of Miami Dade to EPA	166	06-Dec-13 A	20-May-14 A	mi Dade t	to EPA	
CM10150	Compliance Submittal Milestone - Amend Section 2442.3	0		04-Jun-14 A	nend Sect	ion 2442.3	
Pump Station Ren	note Monitoring	783	01-Oct-13 A	23-Nov-15 A		1 1	ation Remote Monitoring
General Compliance A	ctivity	702	01-Oct-13 A	23-Nov-15 A	3-Nov-15	A Ceneral Co	Compliance Activity

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	Touris Hairo	Duration	Start	1111511					3 Q4 Q1		Q4 Q1		2021 21 Q2 Q3 Q4 Q1		Q4 Q1 (Q4
CM12000	Implementation of Pump Station Remote Monitoring	784	01-Oct-13 A	23-Nov-15 A										1			
/CTS Model		5480	06-Dec-13 A	06-Dec-28	i i i i	, Cleation Tacring	i i				1 1	1 1 1	1 1 1 1	1 1 1		1 1	
General Compliance A	ctivity	5480	06-Dec-13 A	06-Dec-28		: :			! ! !			1 1 1	: : : :				
CM10570	Calibrate WCTS Model and Provide Report	0		06-Dec-18*					◆ Calibr	ate WCTS Mod	del and Pro	vide Report					
CM12010	Update WCTS Model	1858	06-Dec-13 A	06-Jan-19			1 1	1 1		ate WCTS Mod	i i						
CM10700	Calibrate WCTS Model and Provide Report	0		06-Dec-23*													♦ C
CM10810	Calibrate WCTS Model and Provide Report	0		06-Dec-28*										<u> </u>			
pare Parts Progr	am	1153	06-Dec-13 A	31-Jan-17		31-Jan-1	7, Spare Parts	Program									
General Compliance A	ctivity	1153	06-Dec-13 A	31-Jan-17		31-Jan-1	7, General Co	mpliance Activ	ity					1 1 1	1 1	1 1	
CM10170	Spare Parts Program	1153	06-Dec-13 A	31-Jan-17		Spare Pa	irts Program										. !
olume Sewer Cu	stomer (VSC) Ordinance Program	3100	06-Dec-13 A	01-Jun-22			ido-e iogidis-				1 1			01-Jun-2	22, Volume S	3ewer Custo	omer(V
General Compliance A	ctivity	3100	06-Dec-13 A	01-Jun-22		+								01-Jun-7	22, General C	Compliance	Activit
CM10880	Compliance Submittal Milestone (CD Compliance Date 4/07/14) - VSC Ordinance Program	0		04-Apr-14 A	n pliance Date 4/07/14)	VSC Ordinar	ce Program										. :
CM10010	Amendment to VSC Ordinance to EPA/FDEP	120	06-Dec-13 A	04-Apr-14 A		VSC Gidinan	ice riogiaiii										. !
CM10001	Deliverable Placed in the PDR - Amendment to VSC Ordinance	1	04-Apr-14 A	04-Apr-14 A	ent to VSC Ordinance												
CM10140	EPA/FDEP Review/Approval - Changes to VSC Program	60	05-Apr-14 A	03-Jun-14 A	ent to vac ordinance												.
CM10140D	Pending EPA Review/Approval - Changes to VSC Program	264	04-Jun-14 A	22-Feb-15 A	s to VSC Plogram	100 5											
CM10012	Revised Submittal Sent to EPA/FDEP - VSC Ordinance Program	0		23-Feb-15 A	w/Approval - Changes i	1 " 1	i i										. !
CM20000	Final EPA/FDEP Review/Approval - Changes to VSC Program	22	24-Feb-15 A	17-Mar-15 A	Sent to EPA/FDEP - VS	1 1											
CM10160	Enact Amendment within 180 days of Approvals	168	18-Mar-15 A	01-Sep-15 A	eview/Approvai - Chan	1 1											
CM10100	Plan of Compliance Submitted to Miami-Dade by Each VSC	192	02-Sep-15 A	11-Mar-16 A	Amenament within 160	1 :	1 1										
CM10611 CM10621	Miami-Dade Review of VSC's Initial Plan of Compliance	230	14-Mar-16 A	31-Dec-16	Plan of Complia	1 1		7 1									
	· ·		177VIAI-10 A		_	i i	i i	i i	n of Complian	i i							
CM11060	VSCs Submit Annual Report Describing Changes Necessary to Update CMOM Program	0	04 1 17	31-Jan-17*	\dashv	♦ V\$Cs Su	ıbmit Annu al F	Report Describi	ng Changes N	ecessary to Up	date CMO	VI Program					
CM10631	Each VSC Makes Corrections to Plan of Compliance as Required by Miami-Dade	60	01-Jan-17	01-Mar-17		Each V	/SC Makes Co	prections to Pl	an of Complian	ce as Require	d by Miami	-Dade					
CM10641	Miami-Dade Review of First Revision to VSC Plan of Compliance	30	02-Mar-17	31-Mar-17	_	Mian	ni-Dade Revie	w of First Revi	sion to VSC Ple	n of Compliar	nce						. :
CM11040	Second Revision to VSC Plan of Compliance (If Necessary)	30	01-Apr-17	30-Apr-17		☐ Se	cond Revision	n to VSC Plan o	of Compliance	(If Necessary)	- 1						- 1
CM11050	Miami-Dade Review of Second Revision to VSC Plan of Compliance	30	01-May-17	30-May-17		- }	Miam i-Dade R	eview of Seco	nd Revision to	/SC Plan of Co	ompliance						. !
CM11000	Plan of Compliance Approved - VSC Ordinance Program	0		30-May-17		◆ 7	lan of Combl	iance Approve	d - VSC Ordinar	ce Program							
CM10271	Complete SORP Training (VSC)	182	31-May-17	28-Nov-17					Training (VSC)								
CM10272	Create Rain Inspection Routes for SORP Plan (VSC)	182	31-May-17	28-Nov-17	7		1 1	- 1 i	ection Routes	i i	(VSC)						
CM10830	Complete Prioritization for Evaluation of Gravity Sewers (VSC)	184	31-May-17	30-Nov-17			i i	i i	zation for Evalu	i i	i i	/SC)					
CM10840	Staffing Requirements for the Collection System O&M are Met (VSC)	184	31-May-17	30-Nov-17	7				ments for the C			1 1 1					
CM10850	Complete Listing of Required Pump Station Resource Commitments (VSC)	184	31-May-17	30-Nov-17			1 1	1 1	- ; ; ;	1 1	- ; ;	ommitments (VSC)					
CM11020	Complete Assessment and Schedule of Maintenance of FM Easements (VSC)	184	31-May-17	30-Nov-17			1 1	: :		: :	- : :						. :
CM10870	Complete Assessment of the FMs in the Collection and Transmission System (VSC)	185	31-May-17	01-Dec-17							1 1	FM Easements (VSC	the state of the s				
CM11070	VSCs Submit Amual Report Describing Changes Necessary to Update CMOM Program	0	,	31-Jan-18*	\dashv	T	1 1	- 1		1 1	- : :	Transmission System					. !
CM10101	Complete Long Term Funding Plan for SS Asset Management Program (VSC)	367	31-May-17	01-Jun-18	-			1 1	1 1 1	1 1	111	ecessary to Update C	- 1 f 1 1 1			1 1	
CM10231	Complete GSS Initial Inspections and Identification of Maintenance Needs (VSC)	367	31-May-17	01-Jun-18	\dashv \vdots \vdots		- : :	1 1	i i i	; ;	i i	set Management Pro	1 1 1 1				. :
CM10820	Complete GSS Engineering Evaluation of Required Corrosion Controls (VSC)	367	31-May-17	01-Jun-18	-		1 1	1 1	1 1 1	1 1	1 1	fication of Maintenan	1 1 1 1				. !
CM11100	Complete All Other Staffing Requirements (VSC)	367	31-May-17	01-Jun-18	-	-	- : :	1 1	71 1 1	1 1	i i	quired Corrosion Cor	ntrols (VSC)				- 1
CM11080	• • • • • • • • • • • • • • • • • • • •	0	31-Way-17	31-Jan-19*	-	-		Con	nplete All Other	Staffing Requi	rements (V	(SC)					. !
	VSCs Submit Annual Report Describing Changes Necessary to Update CMOM Program			-	-				♦ VS	Cs Submit An	nual Repor	t Describing Change	s Necessary to Update CM	OM Program			
CM11090	VSCs Submit Annual Report Describing Changes Necessary to Update CMOM Program	0	04.14 47	31-Jan-20*	-						◆ V\$	Cs Submit Annual Re	eport Describing Changes	Necessary to Ur	pdate CMOM	1 Program	. !
CM11030	Remedy all FM Deficiencies Discovered in Initial Inspection (VSC)	1828	31-May-17	01-Jun-22	_	-		1 1	1 1 1	1 1		1 1 1	1 1 1 1	Remed	y all FM Defic	ciencies Di	scoven
CM10180	Compliance Subtask Complete - VSC Ordinance Program	0		01-Jun-22							<u>ii.</u>			Complia	ance Subtask	k. Complete	VS¢
ats, Oils & Greas	e (FOG) Control Program	5311	06-Dec-13 A	20-Jun-28													
General Compliance A		5311	06-Dec-13 A	20-Jun-28	4 1 1 1		- 1 1		1 1 1	1 1	1 1	1 1 1		1 1 1	1 1		
CM10070	Revised FOG Control Program to EPA/FDEP	550	06-Dec-13 A	08-Jun-15 A	b Contion Flogram;to E	γ <mark>V</mark> FDEP											. !
CM10430	Compliance Submittal Milestone (CD Compliance Date 6/8/2015) - FOG Control Program	0		08-Jun-15 A	Submittal willestone (C	D Complianc	e Date 6/8/201	5) - FOG Contr	ol Program								. !
CM10011	Deliverable Placed in the PDR - Revised FOG Control Program	2	08-Jun-15 A	09-Jun-15 A	Placed in the PDR - Re	vised FOG Car	ntrol Program										
CM10250	EPA/FDEP Review/Approval - Revised FOG Control Program	480	09-Jun-15 A	31-Dec-16		EPA/FDEP	Review/Appro	val - Revised F	OG Control Pro	gram							
CM10480	Annual FOG review, evaluation & revisions 2016	20	01-Jan-17*	20-Jan-17		Annual Fr	G review, eva	aluation & revis	ions 2016						1 1	1 1	
CM10530	Annual FOG review, evaluation & revisions 2017	20	01-Jun-17*	20-Jun-17			Annual FOG	eview. evaluat	ion & revisions	2017	- 1						
CM10300	Enact Amendment within 180 days of Approvals	180	01-Jan-17	29-Jun-17		i i	i i	i i	80 days of App	i i							
CM10890	Compliance Subtask Complete - FOG Control Program	0		29-Jun-17		1 1	1 1	1 1	plete - FOG Cor	1 1							
CM10550	Annual FOG review, evaluation & revisions 2018	20	01-Jun-18*	20-Jun-18	1			1 1	nual FOG revie	1 1	revisions	2018					
CM10580	Annual FOG review, evaluation & revisions 2019	20	01-Jun-19*	20-Jun-19		1 1				1 1	- 1 1	v, evaluation & revision	and 2010				
CM10600	Annual FOG review, evaluation & revisions 2020	20	01-Jun-20*	20-Jun-20	7 1 1 1					Aillidai	OCICVICA	1 1 1	eview, evaluation & revision	2000			
CM10640	Annual FOG review, evaluation & revisions 2021	20	01-Jun-21*	20-Jun-21	7							- Aiiiqai FOOTE	Annual FOG rev	i i i	& rolliniand C	2021	
CM10660	Annual FOG review, evaluation & revisions 2022	20	01-Jun-22*	20-Jun-22	7								Annual FOG rev		1 1	1 1	
CM10680	Annual FOG review, evaluation & revisions 2023	20	01-Jun-23*	20-Jun-23	7									Annual	I FOG review,	1 1	
CM10710	Annual FOG review, evaluation & revisions 2024	20	01-Jun-24*	20-Jun-24	- : :											Annua	ai FOG
CM10710	Annual FOG review, evaluation & revisions 2025	20	01-Jun-25*	20-Jun-25	\dashv												
CM10750	Annual FOG review, evaluation & revisions 2026 Annual FOG review, evaluation & revisions 2026	20	01-Jun-25 01-Jun-26*	-	\dashv												
OIVITO/ OU		20		20-Jun-26	\dashv												
CM10770		20	01-Jun-27*	20-Jun-27	1 1 1 1	1 1 1	1 1	1 1	: : :	1 1	: :	1 1 1	1 1 1 1	: : :	1 1	1 1	
CM10770	Annual FOG review, evaluation & revisions 2027		04 1 00*	20 1 22	_ : : :	1 1	1 1	1 1	1 1 1	1 1	1 1	1 1 1			1 1	1 1	;
CM10790	Annual FOG review, evaluation & revisions 2028 esponse Plan (SORP)	20	01-Jun-28* 06-Dec-13 A	20-Jun-28 30-Jun-17			30_tup 47 C	ewer Overflow	Response Plan	(SOPP)				ļļ			

ID Consent De	ecree Schedule - December 2016 Update Activity Name	Original	Start	Finish	out w Baseline (By F		2017		2018		2019			2020		2021		,	2022	-17 14	2023	age No.	. /8
טו	Activity Name	Duration	Start	11111511	Q1 Q2 Q3 Q4			4 Q1 (Q4 Q1		Q4			Q4 Q1		3 Q4			Q4 Q1			
CM10080	SORP submittal to EPA/FDEP	574	06-Dec-13 A	02-Jul-15 A	mittal to EPA/FDEP																		
CM10450	Compliance Submittal Milestone (CD Compliance Date 7/06/15) - SORP	0		02-Jul-15 A	e Submittal Milestone (D Compli	ance Date 7	/06/15) - 50	ORP.					1 1									
CM10013	Deliverable Placed in the PDR - SORP	2	02-Jul-15 A	03-Jul-15 A	Placed in the PDR - So	1 1	ance bate 7	700/10/-00	JI C						1								
CM10270	EPA/FDEP Review/Approval - SORP	457	03-Jul-15 A	01-Jan-17	Triaced in the TBIX - OX		EP Review/A	nnroval - S	ORP		į				į		-	į				-	
CM10320	Enact Amendment within 180 days of Approvals	180	02-Jan-17	30-Jun-17		LIMIDE	1 1	1 1	1 1	days of Appr	ovale olevo												
CM10900	Compliance Subtask Complete - SORP	0		30-Jun-17			- : :	- 1	1 1	1 1					į		-	i					
nformation Mana	agement System (IMS) Program	1311	06-Dec-13 A	08-Jul-17	1 1 1	:	08-Jul-1	17, Informa	tion Manag	te - SORP em ent Syste	n (IMS) Pro	gram		1		1			1		1		1
General Compliance	Activity	1311	06-Dec-13 A	08-Jul-17	1 1 1	!	₩ 08-Jul-1	17, General	Complian	ce Activity	·	tt-				11			-11		11		
CM10120	Submit IMS Program to EPA/FDEP	729	06-Dec-13 A	04-Dec-15 A	Submit IMS Program to	PΔ/FDFP								1 1	į								
CM10500	Compliance Submittal Milestone (CD Compliance Date 12/07/15) - IMS Program	0		04-Dec-15 A		i i	Complia	noo Doto 1	2/07/15\	MC Drogram					!								
CM10017	Deliverable Placed in the PDR - IMS Program	2	04-Dec-15 A	05-Dec-15 A	Deliverable Placed in th		- : :	IICE Date 1	2/0// 13)-1	VIS FIOGRAFII				-	į								
CM10390	EPA/FDEP Review/Approval - IMS Program	301	05-Dec-15 A	31-Dec-16	Deliverable Praced III th		EP Review/A	nnroval III	AC Program														
CM10440	Enact Amendment within 180 days of Approvals	180	01-Jan-17	29-Jun-17		CFAYEDE	i i	111	1 1	days of Anna	a vala			1 1	į		-						
CM10910	Compliance Subtask Complete - IMS Program	0		29-Jun-17		- :				days of Appr													
CM10130	Implementation of Graphic Information System (GIS) of Entire WCTS	1311	06-Dec-13 A	08-Jul-17					1 1	te - IMS Prog	1		WOTO		į								
ewer System As	sset Management Program	1302	06-Dec-13 A	29-Jun-17			29-Jun-1	entation of 17, Sewer S	System Ass	tomation.Sv et Managem	ent Program	j or Forite	.vv.c.i.s										ļ
General Compliance		1302		29-Jun-17			29-Jun-1	17, General	Complian	ce Activity	·	 -	 		 								ļ :
CM10100	Asset Management Plan to EPA/FDEP	670	06-Dec-13 A	06-Oct-15 A	T.,,																		
CM10470	Compliance Submittal Milestone (CD Compliance Date 10/06/15) - SS Asset Management Program	0		06-Oct-15 A	et Management Plan to	1								-	-								
CM10018	Deliverable Placed in the PDR - SS Asset Management Plan	2	06-Oct-15 A	07-Oct-15 A	pliance Submittal Miles				/15) - SS A	ssetivianage	ment Progra	am ;		-	į								
CM10340	EPA/FDEP Review/Approval - SS Asset Management Plan	360	07-Oct-15 A	31-Dec-16	verable Placed in the Pl	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				.				!								
CM10400	Enact Amendment within 180 days of Approvals	180	01-Jan-17	29-Jun-17	1 1 1	EPAYFDE	1 1		1 1	anagement P	!				į								
CM10920	Compliance Subtask Complete - SS Asset Management Plan	0	0.00	29-Jun-17		- ;	i i	i i	i i	days of Appr	i				-								
	ystem Operations & Maintenance Program	1302	06-Dec-13 A	29-Jun-17			. ◆ . Complia 29-Jun-1	ince Subta 17. Gravity	sk Comple Sewer Syst	te - SS Asset em Operation	Managem ns & Mainte	ent Plan hance F	rogram			ļ					·		
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General Compliance	Gravity Sewer System O&M Program to EPA/FDEP	1302 428	06-Dec-13 A 06-Dec-13 A	29-Jun-17 06-Feb-15 A			2000111	ir, Conciu	Complian	oc / toll vity				1 1	į								
CM10040	Deliverable Placed in the PDR - GSS O&M Program	2	05-Feb-15 A	06-Feb-15 A	I Odivi Flografii to EFA																		
	·	0	05-Feb-15 A	_	the PDR - GSS O&M P	**									į								
CM10330	Compliance Submittal Milestone (CD Compliance Date 2/06/15) - GSS O&M Program		07 5-1- 45 4	06-Feb-15 A	al Milestone (CD Comp	ance Date	2/06/15) - G	SS O&M P	rogram														
CM10200	EPA/FDEP Review/Approval - GSS O&M Program	602	07-Feb-15 A	31-Dec-16		EPA/FDE	EP Review/A	pproval - G	SS O&M P	rogram					į								
CM10230	Enact Amendm ent within 180 days of Approvals	180	01-Jan-17	29-Jun-17	_	<u> </u>	📕 Enact Ar	m endm ent	within 180	days of Appr	ovals	1 1	- 1	-	}								
CM10930	Compliance Subtask Complete - GSS O&M Program	0		29-Jun-17			Complia	nce Subta	sk Comple	te - GSS O&A rations & Pre	A Program	aint Dro	aram			ļļ							ļ
	perations & Preventative Maint. Program	1303		30-Jun-17			1 1	1 1	1 1	1 1	· · · · · · · · · · · · · · · · · · ·	ant. Fic				ļļ			4				ļ
General Compliance	· · · · · · · · · · · · · · · · · · ·	1303	06-Dec-13 A	30-Jun-17			30-Jun-1	17, General	Compilan	ce Activity				-	į		-					-	
CM10050	Pump Station Ops & Prev. Maint Program to EPA/FDEP	483	06-Dec-13 A	02-Apr-15 A	s & Prev. Maint Program	to EPA/FDE	ΕĖ																
CM10021	Deliverable Placed in the PDR - Pump Station O&M Program	2	01-Apr-15 A	02-Apr-15 A	d in the PDR - Pump St	ation Q&M I	Program				į			1 1	į		1 1	į					
CM10380	Compliance Submittal Milestone (CD Compliance Date 4/06/15) - Pump Station O&M Program	0		02-Apr-15 A	mittal Milestone (CD Co	mpliance D	Date 4/06/15) - Pump S	tation O&N	Program													
CM10220	EPA/FDEP Review/Approval - Pump Station O&M Program	548	03-Apr-15 A	01-Jan-17		EPA/FDE	EP Review/A	oproval + P	ump Static	n O&M Progr	am			1 1	į								
CM10260	Enact Amendment within 180 days of Approvals	180	02-Jan-17	30-Jun-17	_	<u>'</u>	Enact A	mendment	within 180	days of Appr	ovals												
CM10940	Compliance Subtask Complete - Pump Station O&M Program	0		30-Jun-17			. Complia	nce Subta	sk Comple	te - Pum p St on, Preventa	tion O&M.	Program		ula emada		11			4				ļ
orce Main Opera	ation, Preventative Maint. & Assessment/Rehab Program	1302	06-Dec-13 A	29-Jun-17			1 1	1 1		1 1	ive iviaint.	ASSES	smenvk	enab Prog	jram 	<u> </u>							<u>.</u>
General Compliance	· · · · · · · · · · · · · · · · · · ·	1302	06-Dec-13 A	29-Jun-17			29-Jun-1	17, General	Complian	ce Activity													
CM10090	FM Oper. Prev. Maint. & Assessment/Rehab Program to EPA/FDEP	609	06-Dec-13 A	06-Aug-15 A	I ICV, IVIAITIL GASSCSSI	ent/Rehab	Program to	EPA/FDEF	>					-	į								
CM10023	Deliverable Placed in the PDR - FM Oper. Prev. Maint. & Assessment/Rehab Program	2	05-Aug-15 A	06-Aug-15 A	pie riaceu ili lile ribit -	M Oper. Pr	rev. Maint. &	Assessm	ent/Rehab	Program													
CM10460	Compliance Submittal Milestone (CD Compliance Date 8/06/15) - Oper. Prev. Maint. & Assessment/Rehab Program	0		06-Aug-15 A	nce Submittal Mileston	(CD Com	pliance Date	e 8/06/15) -	Oper. Prev	Maint. & Ass	essment/F	; Rehab Pi	ogram	1 1	į		-	į		į		- []	
CM10038	EPA/FDEP Review/Approval - FM Oper. Prev. Maint. & Assessment/Rehab Program	421	07-Aug-15 A	31-Dec-16		EPA/FDE	EP Review/A	pproval - F	M Oper. Pr	ev. Maint. & A	ssessment	Rehab	Program										
CM10350	Enact Amendment within 180 days of Approvals	180	01-Jan-17	29-Jun-17		i	Enact Ar	m endm ent	within 180	days of Appr	ovals				į								
CM10950	Compliance Subtask Complete - FM Oper. Prev. Maint. &Assessment/Rehab Program	0		29-Jun-17			. Complia	nce Subta	sk Gomple	te - FM Oper ain Criticality	Prey Main		essment/	Rehab Pr	ogram	ļ							ļ.,
orce Main Critic	cality Assessment Prioritization Report	334	01-Jan-17	30-Nov-17			i i	i i	i i	i i	i	ent Prion	tization F	Report		<u> </u>		<u>_</u>	11				Ĺ
General Compliance	Activity	334	01-Jan-17	30-Nov-17				▼ 30-Nov-1	7, General	Compliance	Acti vity				į								
CM10360	Force Main Criticality Assessment & Prioritization Report	274	01-Jan-17	01-Oct-17		!	FC	oroe Main (Criticality A	ssessment 8	Pri oritizati	on Repo	ort										
CM10510	Begin Implementation of Force Main Assessment Program	0	02-Oct-17				B	egin Imple	mentation	of Force Mair	Assessme	: entPrologi	ram :	1 1	į		-	į				-	
CM10041	Deliverable Placed in the PDR - FM Criticality Assessment Report	1	02-Oct-17	02-Oct-17						ne PDR - FM	1	1 1		ort	!								
CM10490	EPA/FDEP Review/Approval - FM Criticality Assessment Report	60	02-Oct-17	30-Nov-17			i i	i i	i i	Approval - FM	i i	i i	1 1	i i	į								
CM10960	Compliance Subtask Complete - FM Criticality Assessment Report	0		30-Nov-17			: :	- ! !		sk Complete	!	: :				1			1		11		
orce Main Reha	abilitation/Replacement Program	3374	06-Dec-13 A	02-Mar-23	1 1 1		1 1	pp.34		1 1	1				;			1		1	i i	3, Force M	i
General Compliance	Activity	3374	06-Dec-13 A	02-Mar-23	1 1 1	:					:				:				1 1		02-Mar-2	3, General	C
CM10110	Force Main Rehabilitation/Replacement Program to EPA/FDEP	729	06-Dec-13 A	04-Dec-15 A	Force Main Rehabilitation	n/Replacer	ment Progra	m to EPA/F	DEP						į	1		i		İ	1 1		}
CM10610	Compliance Submittal Milestone (CD Compliance Date 12/7/15) - Completion of FM Rehab & Replacement	0		04-Dec-15 A		1.1	1 1	- i - i -	i i	mpletion of	: FM Rehah	: & Renla	:ement		!								
CM10039	Deliverable Placed in the PDR - FM Rehab/Replacement Report	2	04-Dec-15 A	05-Dec-15 A		1		1 1	1 1		.vvc.iau (CPIE								1			-
CM10290	EPA/FDEP Review/Approval - FM Rehab/Replacement Report	301	05-Dec-15 A	31-Dec-16	John Chapter Frace (11) (II)			1 1	1 1	eplacement	Report			1 1	1								
CM10410	Repair, Rehabilitate or Replace all FMs per the FM Assessment Program	1828	01-Dec-17	02-Dec-22		EPAYEDE	_r keview/A	ppioval + F	w Renab/h	epiageinent	vehou	1	- 1	1 1	- 1		<u> </u>	- 1	1 1	_ 	de Date!	litoto == C) -
CM10620	FM Rehab/Replacement Program Final Report to EPA	90	03-Dec-22	02-Mar-23	1			1 1	: :	1 1	1	1 1	1	1 1	;	1 1	-	:	1 1	1	11 1	ilitate or Re	1.
CM10970	Compliance Subtask Complete - FM Rehab/Replacement Report	0		02-Mar-23	7															i	i i	b/Replace	i
	ns and Maintenance Program	1302	06-Dec-13 A	29-Jun-17		<u> </u>	29-Jun-1	7, WWTP	Operations	and Mainten	ance Progr	am :	 			ţ					- complia	nce Subta	sk
•		1302		29-Jun-17		ļļ	1 1	17, General		1 1		ļļ-									ļļ		ļ
General Compliance	<i>f</i>	516		29-Jun-17 05-May-15 A	\dashv			, 55.16141	piidii						į								-
CM10060	WWTP O&M Program to EPA/FDEP				rogram to EPA/FDEP																		

Activity Name	ASD Consent De	ecree Schedule - December 2016 Update		5	Standard Lay	out w Baseline	(By Phase)													13-Ja	an-17 1	4:20 -	Page No	o. 79 of
CM10420 Compliance Submittal Milestone (CD Compliance Date 506/15) - WWTP O&M Program D O5-May-15A 31-Dec-16 EPA/FDEP Review/Approval : WWTP O&M Program D O5-May-15A 31-Dec-16 EPA/FDEP Review/Approval : WWTP O&M Program D O5-May-15A D	ty ID	Activity Name	Original Duration		Finish				4 01 0				Q4 Q1			01		04			O4 O			202 4 Q1
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