Clean Water 2020 Program

CONSENT DECREE QUARTERLY REPORT

April 1, 2015 – June 30, 2015





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Section 1 Introduction

1.1 Summary of Reporting Requirements

On May 21, 2014 the City of Columbia (City) entered into a Consent Decree (CD) with the United States Environmental Protection Agency (EPA), the United States Department of Justice (DOJ) and the South Carolina Department of Health and Environmental Control (SCDHEC). To fulfill the reporting requirements as defined in Section IX.39.a of the CD, the City has prepared this *Quarterly Report* that includes the following information (as excerpted from the CD):

- A description of all projects and activities conducted during the most recently completed calendar quarter to comply with the requirements of this Consent Decree, in Gantt chart or similar format. This description shall include completion percentages of early action capital improvement projects under Paragraph 10, continuing sewer assessments under the CSAP, and the subsequent remedial actions under the IR Report;
- 2. The date, time, location, source, duration, estimated volume, receiving water (if any), cause, and actions taken to repair or otherwise resolve the cause of all SSOs for the most recently completed quarter in a tabulated electronic format;
- 3. The anticipated projects and activities that will be performed in the next quarter to comply with the requirements of this Consent Decree, in Gantt chart or similar format;
- 4. Any additional information that demonstrates that Columbia is implementing the remedial measures required in this Consent Decree; and
- 5. The results of water quality monitoring conducted during the previous Calendar Quarter as part of the SEP described in Appendix I of the Consent Decree.

1.2 Report Organization

This Quarterly Report is organized as follows:

Section 1 – Introduction

This section includes a summary of the reporting requirements and describes the report organization.

Section 2 – Schedule of Projects and Activities

This section addresses the requirements of Sections IX.39.a.(i) and IX.39.a.(iii) of the Consent Decree. The section includes the projects and activities conducted during the most recently completed calendar

quarter to comply with the requirements of the CD as well as the anticipated projects and activities that will be performed in the next quarter to comply with the requirements of the CD. A Gantt chart schedule of these activities is provided and includes completion percentages of continuing sewer assessments under the CSAP and the subsequent remedial actions under the IR Report, as applicable.

Section 3 – Additional Information Demonstrating Implementation of Consent Decree Requirements

This section addresses the requirements of Section IX.39.a.(iv) of the Consent Decree and includes additional information that demonstrates that Columbia is implementing the remedial measures required in the CD. Information supplemental to that which is provided in Section 2 is provided in this section.

Section 4 – Quarterly SSO Report

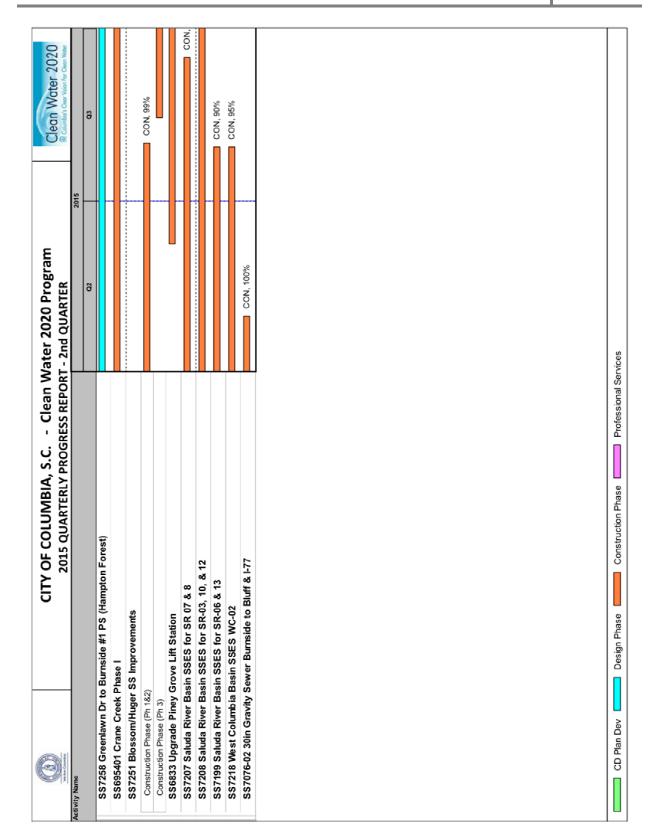
This section addresses the requirements of Section IX.39.a.(ii) of the Consent Decree and provides a tabular listing of sanitary sewer overflows (SSOs). The table includes the date, time, location, source, duration, estimated volume, receiving water (if any), cause, and actions taken to repair or otherwise resolve the cause of all SSOs that occurred during the most recently completed calendar quarter.

Section 5 – SEP Water Quality Monitoring Results

This section addresses the requirements of Section IX.39.a.(v) of the Consent Decree and provides the results of water quality monitoring conducted during the previous Calendar Quarter as part of the SEP described in Appendix I of the CD.

| Sect | io | n | 2 | | | S | S C | h | e | d | u | le | 9 | 0 . | f | Ρ | rc | сj | e | Cl | ts | 6 | ar | າດ | ł | A | C | ti | V | it | ie | 25 | 5 | | |
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| Clean Water 2020 Program 55 REPORT - 2nd QUARTER | 2015 | | CD, 100% | | | | | | | CD, 100% | | | CD, 100% | | CD, 100% | | 法考试 医外周 医外周 医外周 化化化物 化化物 化化化物 化化物化物 化化物化物 化化物化物 化化物化物 化化物化物 化化物化物化物化物化物化物化物化物化物化物化物化物化物化物化物化物化物化物化物化 | | | | | | | | DES, 100% | | | | - | | | | - | | vices |
| CITY OF COLUMBIA, S.C Clean Water 2020 Pro 2015 QUARTERLY PROGRESS REPORT - 2nd QUARTER | | | nent System | ogram | | | Contingency and Emergency Response Plan (CERP) | E | ent System Program | Transmission System Operations and Maintenance Program | Gravity Sewer System Operation and Maintenance Program | | stem Agreements | Continuing Sewer Assessment Program (CSAP) for the WCTS | Continuing Sewer Assessment Program (CSAP) for the WCTS CD Plan | SS7277 Major Sewer Study and Assessment, 36-60 inch Gravity | SS7278 Major Sewer Study and Assessment, 15-30 inch Gravity | Infrastructure Rehabilitation Program (IRP) for the WCTS | CTS | nprovements | mprovements | S Improvements | h-01 SSES | 102 SSES | SS7262 Flow Study/Rehabilitation/Replacement of Three Rivers and Colonial Life PS | SS7172 Rehabilitation/Replacement Harbison #2, Mallard Point and Animal Shelter PS | SS706012 Pump Station Improvements at 6 Sites | SS6966 Annual Rehab on Manholes and lines less than 15" | SS6857 Olympia Subdivision (SSES Study) | SS676402 30" Forcemain from Mill Creek PS to WWTP | SS733702 East Rocky Branch Improvements Ph. 2 | | . Pump Station | SS7261 Lake Katherine Sewer Line Capacity Enhancement | Design Phase Construction Phase Professional Services |
| | Activity Name | WWTP Programs | Maintenance Management System | WWTP Operations Program | WWTP Training PgM | MOM Programs | Contingency and Em- | WCTS Training Program | Information Management System Program | Transmission System | Gravity Sewer Syster | Financial Analysis Plan | Satellite Sewer System Agreements | Continuing Sewer | Continuing Sewer A | SS7277 Major Sewe | SS7278 Major Sewe | Infrastructure Reh | IR Report for the WCTS | SS7325 Starlite PS Improvements | SS7324 Bendale PS Improvements | SS7323 Food Lion PS Improvements | SS7280 Rocky Branch-01 SSES | SS7279 Smith Branch 02 SSES | SS7262 Flow Study | SS7172 Rehabilitatio | SS706012 Pump Sta | SS6966 Annual Reh | SS6857 Olympia Sul | SS676402 30" Force | SS733702 East Roci | SS7301 Bull Street | SS7289 Rivermont Dr. Pump Station | SS7261 Lake Kather | CD Plan Dev |

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Section 3 Additional Information Demonstrating Implementation of Consent Decree Requirements

In accordance with Section IX.39.a.(iv) of the CD, the following section provides additional information that demonstrates that the City is implementing the remedial measures required in this CD.

3.1 WWTP Programs

In accordance with Section V.11 of the CD, the City is developing and implementing specific Wastewater Treatment Plant (WWTP) programs. The Program elements addressed in this section provide information regarding activities involving the Metro WWTP.

3.1.1 Maintenance Management System (MMS)

In accordance with the requirements of the CD, the City was to submit a Maintenance Management System (MMS) to EPA and SCDHEC for review, comment, and approval. The MMS was to be submitted within one year of the date of entry of the CD. The deadline for submittal of the MMS to EPA and SCDHEC was May 21, 2015.

Projects and significant activities completed during the current reporting period:

• The MMS was submitted to EPA and SCDHEC by the May 21, 2015 deadline.

3.2 MOM Programs

In accordance with Section V.12 of the CD, the City is developing and implementing specific Management, Operations, and Maintenance (MOM) programs. The Program elements addressed in this section provide information regarding activities involving the Metro WWTP as well as the City's Wastewater Collection and Transmission System (WCTS).

3.2.1 Contingency and Emergency Response Plan (CERP)

In accordance with the requirements of the CD, the City shall submit a Contingency and Emergency Response Plan (CERP) to EPA and SCDHEC for review, comment, and approval. The CERP is to be submitted within eighteen months of the date of entry of the CD. The deadline for submittal of the CERP to EPA and SCDHEC is November 21, 2015.

Projects and significant activities anticipated during the next reporting period:

• The 30 day EPA mandated public comment period for the CERP will begin on August 21, 2015.

3.2.2 Transmission System Operations and Maintenance Program (TSOMP)

In accordance with the requirements of the CD, the City was to submit a Transmission System Operations and Maintenance Program (TSOMP) to EPA and SCDHEC for review, comment, and approval. The TSOMP was to be submitted within one year of the date of entry of the CD. The deadline for submittal of the TSOMP to EPA and SCDHEC was May 21, 2015.

Projects and significant activities completed during the current reporting period:

- The 30 day EPA mandated public comment period for the TSOMP ended on April 1, 2015. No comments were received.
- The TSOMP was submitted to EPA and SCDHEC by the May 21, 2015 deadline.

3.2.3 Gravity Sewer System Operation and Maintenance Program (GSOMP)

In accordance with the requirements of the CD, the City shall submit a Gravity Sewer System and Maintenance Program (GSOMP) to EPA and SCDHEC for review, comment, and approval. The GSOMP is to be submitted within eighteen months of the date of entry of the CD. The deadline for submittal of the GSOMP to EPA and SCDHEC is November 21, 2015.

Projects and significant activities anticipated during the next reporting period:

• The 30 day EPA mandated public comment period for the GSOMP will begin on August 21, 2015.

3.3 Satellite Sewer System Agreements (SSSA)

In accordance with Section V.13 of the CD, the City was to submit to EPA and SCDHEC for review, comment, and approval a proposed form of Satellite Sewer System Agreements (SSSA) for new or the renewal of existing agreements that cover the collection, conveyance and treatment of sewage by the City from satellite sewer systems. The SSSA was to be submitted within one year of the date of entry of the CD. The deadline for submittal of the SSSA to EPA and SCDHEC was May 21, 2015.

Projects and significant activities completed during the current reporting period:

- The SSSA was submitted to EPA and SCDHEC by the May 21, 2015 deadline.
- Although EPA has not yet approved the SSSA, the City recently entered into an Amended and Restated Agreement with the City of West Columbia. A copy of this Agreement is included in Appendix A.

3.4 Continuing Sewer Assessment Program (CSAP) for the WCTS

In accordance with Section V.14 of the CD, the City was to submit to EPA and SCDHEC for review, comment, and approval a Continuing Sewer Assessment Program (CSAP) that provides for an analysis of Columbia's WCTS infrastructure. The CSAP was to be submitted within six months after the date of EPA and SCDHEC approval of the Sewer Mapping Program. By letter dated December 9, 2014, EPA approved the Sewer Mapping Program. Therefore, the deadline for submittal of the CSAP to EPA and SCDHEC was June 9, 2015.

Projects and significant activities completed during the current reporting period:

- The 30 day EPA mandated public comment period for the CSAP ended on April 1, 2015. No comments were received.
- The CSAP was submitted to EPA and SCDHEC by the June 9, 2015 deadline.

Although the EPA has not yet approved the CSAP, the City is proceeding with sewer assessments under the CSAP. The assessments on the major components of the WCTS currently in progress are as follows:

- SS7277 Major Sewer Study and Assessment, 36-60 inch Gravity 70% Complete
- SS7278 Major Sewer Study and Assessment, 15-30 inch Gravity 25% Complete

3.5 Infrastructure Rehabilitation Report (IRR) for the WCTS

In accordance with Section V.16 of the CD, the City shall submit an Infrastructure Rehabilitation Report (IRR) summarizing the results of the CSAP of the major components of the WCTS and a description of proposed rehabilitation projects. The IRR is to be submitted within six months after the City has assessed the major components of the WCTS once pursuant to the CSAP. As rehabilitation projects are identified through the assessments described in Section 3.4 and in the normal course of operations and maintenance, the City is proceeding with design and construction of those projects. Completion percentages of projects currently in progress are as follows:

- SS7325 Starlite PS Improvements Design 0% Complete
- SS7324 Bendale PS Improvements Design 0% Complete
- SS7323 Food Lion PS Improvements Design 0% Complete
- SS7280 Rocky Branch-01 SSES and Rehabilitation Design 25% Complete
- SS7279 Smith Branch-02 SSES and Rehabilitation Design 20% Complete
- SS7262 Flow Study/Rehabilitation/Replacement of Three Rivers and Colonial life PS Design 100% Complete
- SS7172 Rehabilitation/Replacement Harbison #2, Mallard Point and Animal Shelter PS Design 99% Complete
- SS706012 Pump Station Improvements at 6 Sites Design 90% Complete (decrease in completion % from previous report due to contract amendment).

- SS6966 Annual Rehab on Manholes and Lines less than 15" Construction 95% Complete
- SS6857 Olympia Subdivision Sewer System Evaluation Survey (SSES) and Rehabilitation Design Design 10% Complete (decrease in completion % from previous report due to delay from consultant staff changes).
- SS676402 30-inch Forcemain from Mill Creek PS to WWTP Design 95% Complete
- SS733702 East Rocky Branch Improvements Ph. 2 Design 0% Complete
- SS7301 Bull Street Construction 0% Complete
- SS7289 Rivermont Drive Pump Station Design 30% Complete
- SS7261 Lake Katherine Sewer Line Capacity Enhancement Design 67% Complete
- SS7258 Greenlawn Dr. to Burnside #1 PS (Hampton Forest) Design 90% Complete
- SS695401 Crane Creek Phase I Construction 2% Complete
- SS7251 Blossom/Huger SS Improvements, Phase 1 & 2 Construction 99% Complete
- SS7251 Blossom/Huger SS Improvements, Phase 3 Construction 0% Complete
- SS6833 Upgrade Piney Gove Lift Station Construction 2% Complete
- SS7207 Saluda River Basin SSES and Rehabilitation for SR07 & 8 Construction 75% Complete
- SS7208 Saluda River Basin SSES and Rehabilitation for SR-03, 10, & 12 Construction 75% Complete
- SS7199 Saluda River Basin SSES and Rehabilitation for SR-06 & 13 Construction 90% Complete
- SS7218 West Columbia Basin SSES and Rehabilitation for WC-02 Construction 95% Complete
- SS7076-02 30-inch Gravity Sewer Burnside to Bluff & I-77 Construction 100% Complete

Section 4 Quarterly SSO Report

In accordance with Section IX.39.a.(ii) of the CD, the following table lists all SSOs that occurred during the reporting period in a tabular format along with information on the date, time, location, source, duration, estimated volume, receiving water, cause, and actions taken to resolve the SSO.

| | | | | | | City of Colur | - | | |
|-----------|-------------|--|-------------|---------------------------------|---------------------------------|----------------------------------|-----------------------------|-------------------------|---|
| | | | | | C | Quarterly SS 2nd Quarte | - | | |
| SSO Date | SSO Time | Location | Source | Date of Corrective Action | Time of Corrective Action | Estimated Volume (gallons) | Receiving Water (if any) | Cause | Actions Taken |
| 4/1/2015 | 19:25 | 217 Meadow Creek Dr, Columbia, SC 29203 | Manhole | 4/2/2015 | 08:00 | 500 | | Grease | Removed Stoppage To Resume Normal Flow. Washed, De-Greased And Vacuumed Mainline 656 Feet. |
| 4/2/2015 | 10:00 | 1734 Quail Valley E, Irmo, SC 29212 | Manhole | 4/2/2015 | 11:25 | 1,275 | | Roots | Washed Manhole 300 Ft To Resume Normal Flow. Mainline Repair. |
| 4/7/2015 | 19:00 | 2009 Bedford Way, Columbia, SC 29209 | Cleanout | ТВ | D | 30 | | Roots | Washed Service Line 10 Feet To Remove Stoppage And Resume Normal Flow. Service Line Tap Renewal. |
| 4/8/2015 | 10:00 | 17 Tawny Branch Ct, Columbia, SC 29212 | Cleanout | 4/8/2015 | 10:19 | 258 | | Grease | Removed Stoppage To Resume Normal Flow. Washed Mainline 150 Feet. |
| 4/18/2015 | 21:30 | 2416 Bendemeer Dr, Columbia, SC 29204 | Manhole | 4/20/2015 | 20:30 | 63 | | Roots | Washed Mainline 330 Feet. Removed Stoppage To Resume Normal Flow. Emergency Mainline Repair. |
| 4/23/2015 | 15:00 | 5125 Bush River Rd, Columbia, SC 29212 | Manhole | 4/23/2015 | 16:45 | 1 | Lorick Branch | Debris | Removed Stoppage To Resume Normal Flow. Washed The Mainline 50 Ft. |
| 4/28/2015 | 15:30 | 90 Ridge Lake Dr, Columbia, SC 29209 | Manhole | 4/28/2015 | 18:30 | 1,800 | Emerald Lake | Grease | Removed Stoppage To Resume Normal Flow. Washed Mainline 300 Ft. |
| 4/30/2015 | 18:50 | 907 Senate St, Columbia, SC 29201 | Manhole | ТВ | D | 420 | Storm Drain | Collapsed Line | Washed Mainline 70 Feet To Resume Normal Flow. Emergency Mainline Repair. |
| 5/7/2015 | 20:35 | 9539 Farrow Rd, Columbia, SC 29203 | Manhole | 5/11/2015 | 08:00 | 375 | | Roots | Washed Mainline 200 Feet To Resume Normal Flow. Emergency Mainline Repair. |
| 5/12/2015 | 09:30 | 600 Block Of Assembly St, Columbia, SC 29201 | Manhole | 5/12/2015 | 10:00 | 150 | | Grease | Removed Stoppage To Resume Normal Flow. Washed Mainline 60 Feet. Manhole Full Of Grease. Flushed Line, Removed Grease. |
| 5/12/2015 | 23:30 | 600 Block Of Assembly St, Columbia, SC 29201 | Manhole | 5/13/2015 | 00:00 | 750 | | Grease | Removed Stoppage To Resume Normal Flow. Washed Mainline 600 Ft To Remove Grease. Applied 5 Gals Of Degreaser. CCTV Mainline 430 Ft To Verify A Clean Line. |
| 5/18/2015 | 13:05 | 7545 Garners Ferry Rd, Columbia, SC 29209 | Manhole | 5/18/2015 | 14:00 | 825 | | Grease | Removed Stoppage To Resume Normal Flow. Washed Mainline 200 Ft And CCTV Mainline 252 Ft To Remove All Grease. |
| 5/22/2015 | 9:10 | 312 Sawtimber Lane, Columbia, SC 29209 | Manhole | 5/22/2015 | 10:00 | 3,750 | Storm Drain | Roots | Washed Downstream Manhole To Resume Normal Flow. Washed And Sawed And Vac Mainline 240 Feet (Roots). |
| 6/4/2015 | 06:30 | 4645 Pine Grove Ct, Columbia, SC 29206 | Manhole | Remote M | onitoring | Unknown | | Wet Weather | Wet Weather, Evidence Only, Not Observed Active. CIP Engineering Project In Development. |
| 6/8/2015 | 09:15 | 1121 Columbia College Dr, Columbia, SC 29203 | Manhole | тв | D | 1,500 | Storm Drain 40 Feet Away | Collapsed Line | Washed Mainline 50 Feet To Resume Normal Flow. Mainline Repair. |
| 6/8/2015 | 11:30 | 2404 Exton Shore Dr, Columbia, SC 29209 | Manhole | 6/8/2015 | 12:00 | 400 | | Grease | Removed Stoppage To Resume Normal Flow. Washed And Televised Mainline 340 Feet. |
| 6/10/2015 | 19:50 | 2727 Welland Street, Columbia, SC 29203 | Liftstation | 6/11/2015 | 03:11 | 1 | | Utility Power Outage | Shut Down Water Feed Into Wet Well And Dispatched Generator (Started At 2050). Utility Power Restored. |
| 6/12/2015 | - | 7651 Garners Ferry Rd, Columbia, SC 29209 | Manhole | No | ne | Unknown | | Debris | Cleaned Debris Out Of Manhole. Did Not Witness, Active Evidence Only. |
| 6/15/2015 | 18:40 | 349 Turkey Farm Rd, Columbia, SC 29016 | Manhole | ТВ | D | 2,000 | | Roots | Washed Mainline 100 Feet To Resume Normal Flow. Emergency Mainline Repair. |
| 6/22/2015 | 19:13 | 1604 Breeland St, Columbia, SC 29210 | Manhole | 6/22/2015 | 19:50 | 185 | | Grease | Removed Stoppage To Resume Normal Flow. Washed Mainline 200 Ft And Televised Mainline Downstream 215 Ft. |
| 6/26/2015 | 19:15 | 1743 Kathleen Dr, Columbia, SC 29210 | Manhole | 6/26/2015 | 20:45 | 525 | | Roots | Removed Stoppage To Resume Normal Flow. Washed Mainline 100 Ft And TV Mainline 151 Ft. Tap Renewal And Mainline Repairs To Be Made. |
| 6/29/2015 | 14:28 | 442 Brookshire Dr, Columbia, SC 29210 | Manhole | тв | D | 25 | | Roots | Washed Mainline 50 Feet To Remove Stoppage To Resume Normal Flow. Mainline Repair. |

Table 1 - SSO Report, 2nd Quarter 2015

Section 5 SEP Water Quality Monitoring Results

In accordance with Section IX.39.a.(v) of the CD, the following section provides a summary of the results of water quality monitoring conducted during the previous calendar quarter as part of the Supplemental Environmental Project (SEP) described in Appendix I of the CD.

5.1 Sampling Conducted and Results

As a part of the SEP requirements established in Section VIII and Appendix I of the CD, the City is to conduct water quality monitoring at three locations to assist in evaluation of the environmental benefits of the SEP in improving water quality in Smith Branch and Gill's Creek. The City is to implement a program for ambient monitoring of dissolved oxygen (DO), total suspended solids (TSS), temperature, and E. coli at the following monitoring sites:

- Gill's Creek at Garner's Ferry Road
- Smith Branch at North Main Street
- Gill's Creek at Bluff Road

In accordance with the requirements of the CD, the City was required to submit a Quality Assurance Project Plan (QAPP) to SCDHEC within 60 days of the date of entry of the CD. Upon approval of the QAPP by SCDHEC the City will begin monitoring within 30 days. The City will monitor quarterly for the first three years under the CD and monthly (or every other month at the Gills Creek at Bluff Road site) from years four through six under the CD.

The City originally submitted the QAPP to SCDHEC on July 18, 2014 in advance of the deliverable deadline. The City subsequently received comments from SCDHEC and resubmitted the QAPP to SCDHEC on January 13, 2015. Upon approval of the QAPP by SCDHEC, the City will begin monitoring within 30 days in accordance with the requirements of the CD.

Appendix A Executed Satellite Sewer System Agreement

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AMENDED AND RESTATED AGREEMENT

BY AND BETWEEN THE CITY OF COLUMBIA, SOUTH CAROLINA AND THE CITY OF WEST COLUMBIA, SOUTH CAROLINA FOR WASTEWATER SERVICES AND PARTICIPATION IN CAPITAL WASTEWATER IMPROVEMENTS.

6 This AMENDED AND RESTATED AGREEMENT FOR WASTEWATER 7 SERVICES AND PARTICIPATION IN CAPITAL WASTEWATER IMPROVEMENTS 8 (this "Amended and Restated Agreement") is entered into this $\underline{\mathcal{I}}^{+}$ day of $\underline{\mathcal{I}}_{+}$, 9 2015 by and between the City of Columbia, South Carolina, a municipal corportion of the State 10 of South Carolina ("Columbia"), and the City of West Columbia, South Carolina ("West 11 Columbia"), a municipal corporation of the State of South Carolina, each a "Party" and together 12 the "Parties."

RECITALS

14 Columbia is a municipal corporation of the State of South Carolina (the "*State*"), located 15 in Richland County, South Carolina, possessing all general powers granted by the Constitution 16 and laws of the State to such municipal corporations. Pursuant to Chapter 15 of Title 6 of the 17 Code of Laws of South Carolina 1976, as amended (the "*Code*"), Columbia is empowered to 18 enter into contracts to construct, operate, maintain, enlarge and improve sewer facilities on 19 behalf of other governmental entities for the joint use of Columbia and such other governmental 20 entities.

West Columbia is a municipal corporation of the State, located in Lexington County, possessing all general powers granted by the Constitution and laws of the State to such municipal corporations. Pursuant to Chapter 15 of Title 6 of the Code, West Columbia is empowered to contract for the construction, operation, maintenance, enlargement and improvement of sewer facilities, on behalf of West Columbia, by other governmental entities.

Pursuant to Chapter 15, Title 6 of the Code, the Parties entered into a contract, dated August 6, 1975 (the "1975 Contract"), providing for the construction, operation and maintenance of certain wastewater facilities, referred to therein as the "Metropolitan Sewerage System" for the mutual benefit of the Parties. Pursuant to the 1975 Contract, each Party constructed the following specific wastewater infrastructure: Columbia constructed the Plant and the Columbia Transmission Line, while West Columbia constructed the Pump Station and the West Columbia Transmission Line (as each as defined herein).

Pursuant to Sections 4 through 6 of the 1975 Contract, each Party was allocated a percentage of total capacity of each component of the Wastewater Facilities, referred to in the 1975 Contract as each Party's "Use Equity," and through grants and other means contributed a pro rata share of the total cost of the construction or installation of each component of the

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Wastewater Facilities based upon its allocated capacity in such component. West Columbia's
 Use Equity in the Plant was initially 1.25 million gallons per day (MGD), which was 6.25% of
 the capacity of the Plant at that time.

The 1975 Contract further provided that Columbia is to bear the full responsibility for the 4 operation, maintenance, supervision and repair of all the Wastewater Facilities for such time as 5 the Wastewater Facilities remain in operation, and that West Columbia would reimburse 6 Columbia for the ongoing costs to Columbia for the operation and maintenance of each 7 component of the Wastewater Facilities based upon West Columbia's use of each component, 8 measured as follows: (1) as to the Plant, based upon volumetric charges for the wastewater 9 transmitted to the Plant by West Columbia; (2) as to the Columbia Transmission Line and the 10 West Columbia Transmission Line, based upon West Columbia's allocated Use Equity for each 11 component; and (3) as to the Pump Station, based upon the percentage of the flow of wastewater 12 through the Pump Station attributable to West Columbia. 13

The Parties have subsequently amended the 1975 Contract by an undated but executed contract, effective by its terms on January 1, 1992, and by a contract dated March 16, 1999 (collectively, the "*Amendments*"), whereby West Columbia's Use Equity in the Plant was increased to 3.27 MGD, which was 5.45% of the capacity of the Plant at that time.

Pursuant to Section 11 of the 1975 Contract, West Columbia agreed to pay to Columbia its pro rata share, based upon its allocated Use Equity of 5.45%, of future alterations, extensions and changes to the Plant necessary to improve operations to comply with directives or orders issued by a proper authority.

Columbia is now subject to a Consent Decree (the "Consent Decree") by the United 22 States Environmental Protection Agency (the "EPA"), filed September 9, 2013, whereby, 23 Columbia is obligated to implement and complete capital improvements to the Plant, to include 24 (1) the Metro Headworks Project; (2) the Metro WWTP Aeration Improvements; (3) the 25 Disinfection Improvements; (4) the Secondary Clarifier Improvements; and (5) the Train 2 Pump 26 Station, and capital improvements to the wastewater collection and treatment system including, 27 among other improvements, (1) improvements to the Pump Station and (2) the installation of 28 20,000 linear feet of 42-inch force main from the Pump Station to the Plant. 29

Pursuant to the Consent Decree, Columbia is also obligated to include within any new satellite system sewer agreements certain terms related to (1) programs for the regulation and pre-treatment of industrial discharges; and (2) programs for reductions in fats, oil and grease ("FOG") in wastewater streams. The Parties have included in this Amended and Restated Agreement certain terms related to industrial pre-treatment and FOG reductions that are consistent with the requirements of the Consent Decree, 1 Columbia has completed construction of certain capital improvements to its Wastewater 2 Facilities and has informed West Columbia that, pursuant to Section 11 of the 1975 Contract and 3 the increases in West Columbia's Use Equity in the Plant provided for in the Amendments, West 4 Columbia's pro rata share of these capital improvements amounts to approximately \$8.6 million 5 dollars.

6 Columbia and West Columbia have determined that it is appropriate at this time to enter 7 into this *Amended and Restated Agreement* version of the 1975 Agreement to restate more 8 clearly the pricing and other provisions of the 1975 Contract, and to incorporate in it terms that 9 will further Columbia's compliance with the spirit and intent of Consent Decree.

NOW, THEREFORE, and in consideration of the premises set forth in the recitals
 above, and the mutual covenants and obligations contained herein, the receipt and sufficiency of
 which are hereby acknowledged, Columbia and West Columbia agree as follows:

- 13
- 14

Article I. DEFINITIONS

15 Section 1.01 In addition to any words and terms elsewhere defined in this Agreement, the 16 following words and terms as used in this Agreement shall have the following meanings unless 17 some other meaning is plainly intended:

18 "Columbia System" means Columbia's entire system for the treatment, transmission,
 19 disposal and collection of Wastewater, including the Wastewater Facilities.

"Columbia Transmission Line" means the transmission lines constructed by Columbia
 running from the Plant to Palmetto Quarries and from Palmetto Quarries to Senate Street, as
 described in article 1, Section 2 of the 1975 Contract as "Contract C" and "Contract D."

23 "Effective Date" means the date first written in the introductory clause above.

24 "Plant" means the 60 MGD Columbia Metropolitan Waste Water Treatment Plant, as
25 described in article 1, Section 2 of the 1975 Contract as "Contract E, F, J and L."

26 "Pump Station" means the pump station constructed by West Columbia located on the
27 east side of the Congaree River south of Blossom Street, as described in article 1, Section 3 of
28 the 1975 Contract as "Contract H."

29 "SCDHEC" means the South Carolina Department of Health and Environmental
 30 Control, or any successor agency or department of the State.

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"State" means the State of South Carolina.

1 "Wastewater" means and includes "sewage," defined by the Pollution Control Act, SC 2 Code Ann. Section 48-1-10 as "water-carried human or animal wastes from residences, 3 buildings, industrial establishments or other places, together with such ground water infiltration 4 and surface water as may be present and the admixture with sewage of industrial wastes or other 5 wastes," along with "domestic sewage," "industrial wastewater," and "process wastewater" as 6 those terms are defined in the regulations of SCDHEC.

7 "Wastewater Facilities" means those portions of the Columbia System which service
8 West Columbia, namely and collectively, the Plant, the Columbia Transmission Line, the Pump
9 Station, and the West Columbia Transmission Line.

"Wastewater Services" means Columbia's collection, transmission, treatment, discharge
 and disposal of wastewater delivered to the Columbia System from the West Columbia System
 through the Wastewater Facilities, along with the operation and maintenance of the Wastewater
 Facilities.

14 "West Columbia Transmission Line" means the transmission line running from the 15 Pump Station, to and along the west side of the Congaree River to the Saluda River, and then 16 along the south side of the Saluda River and under the Saluda River to the northern side, as 17 described in article 1, Section 3 of the 1975 Contract as "Contract K."

18 "West Columbia System" means West Columbia's entire system for the transmission
 19 and collection of Wastewater.

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GENERAL REPRESENTATIONS AND COVENANTS; TERM

21 Section 1.02 Representations of Columbia. Columbia hereby represents the following:

(A) Columbia is a validly created governmental entity and a public body politic and corporate of 22 the State and that it has the power, authority, and legal right to own and operate Columbia's 23 System and is capable of providing Wastewater Services as contemplated by this Agreement; 24 that it has all necessary powers and authority to undertake and perform its obligations under this 25 Agreement; that the execution and delivery of, and its performance under, this Agreement will 26 not violate any judgment, decree, order, law, rule, permit, contract, or regulation; that no consent, 27 permission, or approval that has not already been given is required for the valid execution and 28 delivery of this Agreement by Columbia; that this Agreement has been duly authorized, 29 executed, and delivered by Columbia, and constitutes a legal, valid, and binding obligation of 30 Columbia, enforceable in accordance with its terms; that, as of the Effective Date, there is no 31 litigation or proceeding pending or threatened against or affecting Columbia that (i) seeks to 32 enjoin the performance of its obligations under this Agreement or (ii) if adversely determined, 33 would materially adversely affect its ability to perform such obligations; and that it has taken all 34

1 necessary action to authorize the execution and delivery of this Agreement and to perform its

2 obligations under this Agreement;

3 (B) Columbia has all rights, powers, authority, experience, and skills necessary to operate the
4 Plant, the remaining Wastewater Facilities, and the Columbia System, and has and will continue
5 to have sufficient rights powers, authority, experience and skills necessary to provide the
6 Wastewater Services and to perform its obligations under this Agreement;

7 (C) Columbia will operate the Wastewater Facilities, for the benefit of both Parties, using Good
8 Utility Practice and in a manner that meets all applicable laws, regulatory requirements and
9 permit conditions;

(D) Columbia has, and will continue to maintain, all permits, licenses, authorizations and other
approvals required and necessary to collect, transmit, treat, discharge and dispose of Wastewater,
and otherwise provide the Wastewater Services, as evidenced by, but specifically subject to, the
provisions of the applicable wastewater construction, operating and the surface water discharge
(NPDES) permits issued by SCDHEC Bureau of Water and the Consent Decree of the EPA;

15 Section 1.03 Ownership of Wastewater Facilities. The Wastewater Facilities shall at all times 16 be the sole and absolute property of Columbia; provided, however, Columbia acknowledges that 17 West Columbia holds a continuing Use Equity in each component of the Wastewater Facilities, 18 calculated as a percentage of the total capacity of each such component as detailed in Section 19 3.05.

20 Section 1.04 Sale of Columbia System. In the event that Columbia determines to sell the 21 Columbia System, Columbia agrees to first obtain consent of West Columbia, which consent may be predicated on terms protecting acceptable West Columbia in its sole discretion 22 23 concerning West Columbia's Use Equity in the Wastewater Facilities and the other terms of this 24 Restated and Amended Agreement, but otherwise shall not be unreasonably withheld. Columbia agrees not to undertake a sale of any of the Wastewater Facilities unless Columbia provides to 25 26 West Columbia an opinion of counsel experienced in matters of tax exempt bonds to the effect 27 that such sale will not adversely affect the tax exempt status of bonds issued or to be issued by 28 West Columbia.

29 Section 1.05 Representations of West Columbia. West Columbia hereby represents that it is a 30 duly organized and existing municipal corporation of the State and that it has all necessary power 31 and authority to own and operate the West Columbia System and to perform its obligations under this Agreement, all in compliance with Chapter 31, Title 5 of the Code; that the execution and 32 33 delivery of, and its performance under, this Agreement will not violate any judgment, decree, 34 order, law, rule, permit, contract, or regulation; that no consent, permission, or approval that has 35 not already been given is required for the valid execution and delivery of this Agreement by 36 Lexington; that this Agreement has been duly authorized, executed, and delivered by West

1 Columbia, and constitutes a legal, valid, and binding obligation of Columbia, enforceable in 2 accordance with its terms; that, as of the Effective Date, there is no litigation or proceeding 3 pending or threatened against or affecting Columbia that (i) seeks to enjoin the performance of 4 its obligations under this Agreement or (ii) if adversely determined, would materially adversely 5 affect its ability to perform such obligations; and that Columbia has taken all necessary action to 6 authorize the execution and delivery of this Agreement.

7 Section 1.06 West Columbia's Rate Covenant. West Columbia covenants that at all times 8 during the term of this Agreement, it will impose fees for service provided by the West 9 Columbia System that are sufficient to enable West Columbia to meet its obligations of this 10 Agreement.

Section 1.07 Term. This Agreement shall be effective upon the Effective Date and shall extend for an initial period, commencing on the Effective Date, and extending for a term of thirty years (the "*Initial Term*"). This Agreement shall be automatically extended for subsequent terms of five year (a "*Subsequent Term*") upon the expiration of the Initial Term or the expiration of any Subsequent Term. If a Party intends not to renew this Agreement at the end of the Initial Term or a Subsequent Term, such Party shall notify the other Party, in writing, not less than five years prior to the end of the Initial or Subsequent Term after which the Party intends that this

18 Agreement shall expire.

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Article II.

DUTY TO SERVE; ALLOCATED CAPACITY

Section 2.01 Duty to Serve. Columbia will operate and maintain the Plant, the Columbia Transmission Line, the West Columbia Transmission Line and the Pump Station, and all associated lines and pipes, tanks, pumps and other equipment, currently installed or which may be constructed or installed in the future, consistent with applicable state and federal regulations.

Section 2.02 Uninterrupted Service. Columbia does not guarantee uninterrupted service but 25 will use sound engineering practices, which may include, but are not limited to, appropriate 26 provisions of South Carolina Regulation 61-67 (wastewater construction standards); South 27 Carolina Regulation 61-9 (discharge standards); the Handbook: Sewer System Infrastructure 28 Analysis and Rehabilitation, EPA/625/6-91/030, 1991; Existing Sewer Evaluation and 29 Rehabilitation, WEF MOP FD-6, 1994, Third Edition 2009; and the most recent edition of 30 "Recommended Standards for Wastewater Facilities" by the Great Lakes-Upper Mississippi 31 River Board of State and Provincial Public Health and Environmental Managers (commonly 32 known as the "Ten State Standards.") and best efforts to ensure that service is not interrupted or 33 if interrupted is restored in a prompt manner. Columbia will operate and maintain the Columbia 34 System consistent with applicable state and federal regulations to minimize disruptions or 35 environmental impacts due to interruptions of service. 36

Section 2.03 Allocated Plant Capacity. Pursuant to the allocations of capacity in the Plant contained in the 1975 Contract and its subsequent Amendments, Columbia shall reserve, for the sole benefit of West Columbia, an allocated capacity in the Plant of 3.27 MGD average daily flow and allows a peaking factor of 2.5 times average daily flow (the "Allocated Plant Capacity").

6 Section 2.04 Allocated Columbia Transmission Line Capacity. Pursuant to allocations of
7 capacity in the Columbia Transmission Line contained in the 1975 Contract and its subsequent
8 Amendments, Columbia shall reserve, for the sole benefit of West Columbia, allocated capacity
9 in the Columbia Transmission Line as follows:

- 10 (i) For Contract C, a maximum allocated capacity of 4.0 MGD; and
- (ii) For Contract D, a maximum allocated capacity of 4.0 MGD (collectively, the
 "Allocated Columbia Transmission Line Capacity").

Section 2.05 Allocated West Columbia Transmission Line Capacity. Pursuant to allocations of capacity in the West Columbia Transmission Line contained in the 1975 Contract and its subsequent Amendments, Columbia shall reserve, for the sole benefit of West Columbia, allocated capacity in the West Columbia Transmission Line as follows:

- 17 (i) For Contract K, Division I, a maximum allocated capacity of 9.1 MGD; and
- 18 (ii) For Contract K, Division II, Section A, a maximum allocated capacity of 9.1 MGD;
- 19 (iii) For Contract K, Division II, Section B, a maximum allocated capacity of 7.7 MGD;
- (iv) For Contract K, Division III, a maximum allocated capacity of 0.0 MGD (collectively,
 the "Allocated West Columbia Transmission Line Capacity").

22 Section 2.06 Easement for Access to the West Columbia Transmission Line for Operations, 23 Maintenance and Construction. Within 120 days of the Effective Date, West Columbia shall 24provide Columbia with easements for its use for operations, maintenance and replacement or 25 paralleling of the West Columbia Transmission Line. Said easements shall allow Columbia the 26 right to use for that purpose all easements, rights of way, permits and other property rights held 27 by West Columbia which are associated with the operations, maintenance and potential 28 replacement or paralleling of West Columbia Transmission Line. The easements provided to 29 Columbia shall be in a form suitable for filing with the registrar of deeds of Lexington County. 30 Within 120 days of the Effective Date, West Columbia shall convey to Columbia the parcel on 31 which the Pump Station is located (TMS R08909-01-09).

Section 2.07 Allocated Pump Station Capacity. Pursuant to allocations of capacity in the Pump
 Station contained in the 1975 Contract and its subsequent Amendments, Columbia shall reserve,

for the sole benefit of West Columbia, an allocated capacity in the Pump Station of 8.8 MGD
 (the "Allocated Pump Station Capacity").

Section 2.08 Pro Rata Share Cost Allocations. For rate making purposes, West Columbia shall be deemed to represent the following pro rata shares of the capacity in the Plant, the Columbia Transmission Line, the West Columbia Transmission Line and the Pump Station:

(A) The Allocated Plant Capacity represents 5.45% of the total capacity of the Plant, thus West
Columbia's pro rata share of the Plant's fixed costs is 5.45% (the "*Plant Pro Rata Share*").

8 (B) The Allocated Columbia Transmission Line Capacity represents the following percentages9 of the total capacity of the Columbia Transmission Line:

- (i) For Contract C, 8.0%, thus West Columbia's pro rata share of the Columbia
 Transmission Line, Contract C is 8.0%; and
- (ii) For Contract D, 8.0%, thus West Columbia's pro rata share of the Columbia
 Transmission Line, Contract D is 8.0% (and 8.0% collectively for Contracts C and D,
 the "Columbia Transmission Line Pro Rata Share").

15 (C) The Allocated West Columbia Transmission Line Capacity represents the following 16 percentages of the total capacity of the West Columbia Transmission Line:

- 17 (i) For Contract K, Division I, 43.96%, thus West Columbia's pro rata share of the West
 18 Columbia Transmission Line, Contract K, Division I is 43.96%;
- (ii) For Contract K, Division II, Section A, 43.96%, thus West Columbia's pro rata share of
 the West Columbia Transmission Line, Contract K, Division II, Section A is 43.96%;
- (iii) For Contract K, Division II, Section B, 37.04%, thus West Columbia's pro rata share of
 the West Columbia Transmission Line, Contract K, Division II, Section B is 37.04%;
 and
- (iv) For Contract K, Division III, 0.0%, thus West Columbia's pro rata share of the West
 Columbia Transmission Line, Contract K, Division III is 0.0% (these pro rata shares are
 collectively referred to as the "West Columbia Transmission Line Pro Rata Shares").

(D) The Allocated Pump Station Capacity represents 43.96% of the total capacity of the Pump
Station, thus West Columbia's pro rata share of the Pump Station's fixed costs is 43.96% (the
"Pump Station Pro Rata Share").

30 Section 2.09 Location of Plant, Pump Station and Lines. The locations of the Plant, Pump
 31 Station and lines are set forth on *Exhibit 1*.

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 Article III.

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4 Section 3.01 Base Charges.

(A) Columbia shall charge to West Columbia, and West Columbia shall pay to Columbia a base
charge (the "*Base Charge*") which shall be calculated annually to reflect the actual fixed costs
for salaries and benefits associated with the operation of the Plant during the most recent full
fiscal year for which cost data is available. These costs shall be allocated to West Columbia
based upon West Columbia's Plant Pro Rata Share, Columbia Transmission Line Pro Rata Share,
West Columbia Transmission Line Pro Rata Shares and Pump Station Pro Rata Share, as set
forth in Section 3.05.

12 (B) The Base Charges shall be billed and paid monthly as a flat fee.

13 Section 3.02 Volumetric Charges.

(A) Columbia shall charge to West Columbia, and West Columbia shall pay to Columbia, a
 volumetric charge (the "Volumetric Charge").

- (i) The rates on which the Volumetric Charge is calculated (the "*Volumetric Rates*") shall
 be established annually based upon the actual variable costs associated with the
 operation of the Plant and Pump Station (including all other direct costs less those costs
 included in the Base Charges) during the most recently available fiscal year.
- (ii) The Volumetric Rates for the Plant and Pump Station shall be calculated by dividing the
 actual variable costs associated with the operation of the Plant and the Pump Station by
 the total annual flow from all sources into the Plant and the Pump Station. Both costs
 and flows for this calculation shall be those from the most recently available fiscal year
 for which a full year of final data is available. The resulting rate shall be computed
 annually and expressed separately for the Plant and Pump Station as a rate per thousand
 gallons of flow.
- (iii) The Volumetric Charges shall be billed monthly based on the actual flow contributed by
 West Columbia into the Plant and Pump Station during the most recent monthly billing
 period.

1 Section 3.03 7-Day Excess Usage Charges.

(A) In addition to the above payments set forth in Sections 3.01 and 3.02, Columbia shall charge
to West Columbia, and West Columbia shall pay to Columbia, an excess usage charge (the "7-*Day Excess Usage Charge*") calculated on flows measured cumulatively over each seven day
calendar week (the "7-*Day Flow*") during a billing period. The charge shall apply in any
calendar week where the 7-Day Flow exceeds 110% of the Allocated Plant Capacity.

7 (B) The 7-Day Excess Usage Charge shall be computed to equal the sum of (i) the actual fixed 8 costs for salaries and benefits associated with the operation of the Plant and (ii) debt service costs 9 associated with the Plant. Items (b) and (c) shall be computed based on the cost data from the 10 most recent full fiscal year for which final cost data is available. The resulting costs shall be 11 expressed as a cost per thousand gallons by dividing the costs figures so obtained by the total 12 volume of wastewater received at the Plant during that fiscal year.

13 Section 3.04 Calculations. The following formulae and conventions shall be used in 14 computing the Volumetric Rates and the 7-Day Excess Usage Charge:

(A) Columbia's current accounting system combines (a) the costs of operating the Plant with (b) 15 the cost of operating all pump stations on its system as well as associated regulatory and 16 environmental compliance costs. Collectively, these costs represent the "Combined Plant 17 Operating Costs." To segregate for rate calculations the fixed and variable cost of operating the 18 Plant from the other aspects of the Combined Plant Operating Costs, the Parties will assume that 19 the fixed and variable costs of operating the Plant equal the actual Combined Plant Operating 20 Costs for the most recent full fiscal year for which final cost data is available, reduced by the 21 ratio that (i) pump station expense and compliance expense bear to (ii) the total Combined Plant 22 Operating Costs. For the purpose of computing this ratio, both items (a) and (b) will be the 23 amounts as reflected in the budget adopted for that fiscal year. All other amounts will be actual 24 amounts as incurred in the most recent full fiscal year for which data is available. Until such 25 time as more specific actual cost information is available, the Parties will assume that the amount 26 of the reduction to the Combined Plant Operating Costs resulting from this calculation will be 27 28 25%.

(B) The list of accounts which are included in these calculations is included in the sample bill
 and supporting documents which are attached hereto as *Exhibit 2*.

31 (C) Columbia's current accounting system combines the costs of operating and maintaining the 32 Columbia Transmission Line and West Columbia Transmission Line segments with the costs 33 associated with operating and maintaining all collection and transmission lines operated by 34 Columbia. Until such time as more specific information is available, the Parties will assume that 35 the fixed cost of operating the Columbia Transmission Line and West Columbia Transmission 36 Line segments equals Columbia's total cost of operating and maintaining its collection and transmission lines, allocated according to the ratio of the linear feet represented by the Columbia Transmission Line and West Columbia Transmission Line segments divided by the total linear feet of all of Columbia's sewer lines. Pump station expense shall not be included in this calculation.

(D) Columbia's current accounting system does not segregate the debt service cost associated 5 6 with the Plant from the debt service cost associated with the Columbia's other sewer assets. For 7 purposes of determining the debt service costs per thousand gallons of flow as required to compute the 7-Day Excess Usage Charge, the Parties will use purchase price of the Plant and of 8 9 other sewer assets to calculate debt service. The Parties will further assume that the debt service 10 expense associated with the Plant equals the annual debt service expense that Columbia bears in 11 financing its sewer assets allocated between the Plant and other assets according to the ratio that 12 the purchase price of the Plant bears to the purchase price of all sewer assets financed by 13 Columbia. The resulting cost of capital will be divided by the total flow at the Plant during the 14 most recently available fiscal year to generate a rate per thousand gallons of flow for which shall be the debt service cost associated with the Plant for that year. 15 16

17 Section 3.05 Industrial Pretreatment Program Charges. Columbia shall charge to West Columbia and West Columbia shall pay to Columbia an industrial pretreatment program charge 18 19 calculated to recover the cost of Columbia's industrial pretreatment program as budgeted cost for 20 the current fiscal year. Those industrial pre-treatment program costs shall be allocated on a 21 customer-count basis that reflects the ratio of permitted industrial users in West Columbia divided by the total number of permitted industrial users operating under Columbia's industrial 22 23 pretreatment program. The industrial pretreatment program charge shall be computed annually 24 based on the current fiscal year's budget and billed on a monthly basis as a flat fee. In addition 25 to the charges specified above, Columbia shall charge each industrial user an annual permit fee, 26 Permit or program fees, fines, or penalties collected by Columbia from industrial customers 27 under its industrial pretreatment program in the prior fiscal year shall be deducted from budgeted 28 program costs.

29 Section 3.06 Annual Adjustment.

(A) Columbia will calculate Base Charges, Volumetric Charges, 7-Day Excess Usage Charges
 and Industrial Pretreatment Program Charges based on the most recently available fiscal year's
 actual costs once final figures are available, and will communicate them to West Columbia on or
 before January 1 of each year.

34 (B) New annual rates under the Agreement will go into effect as soon as practicable after such 35 actual costs are made available by Columbia to West Columbia, but in no event earlier than

36 March 1, or later than the succeeding July 1.

1 Section 3.07 Inspection and Review of Information. Upon reasonable request by West 2 Columbia, Columbia shall make available to West Columbia in a timely fashion all data, 3 spreadsheets, source documents and other information reasonably necessary for West Columbia 4 to review and audit rate calculations hereunder.

5 Section 3.08 Sample Bill. For guidance of the parties in applying the provisions here, an 6 example of a bill computed in accordance with the intended terms of this Restated and Amended 7 Agreement and the supporting documents on which that bill calculation is based are found on 8 *Exhibit 2* and incorporated herein.

8 **Exhibit** 2 and incorporated inform.

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Article IV. <u>MAINTENANCE; CAPITAL EXPANSION</u>

11 Section 4.01 Capacity Maintenance Costs

(A) Columbia shall charge to West Columbia, and West Columbia shall pay to Columbia, the
Plant Pro Rata Share of the cost of any capital project required to maintain the existing capacity
of the Plant and its ability to be operated in conformity with applicable state and federal
regulations ("*Capacity Maintenance Cost*").

(B) Columbia shall charge to West Columbia, and West Columbia shall pay to Columbia, the
Columbia Transmission Line Pro Rata Share of the cost of any capital project required to
maintain the existing capacity of the Columbia Transmission Line and its ability to be operated
in conformity with applicable state and federal regulations.

(C) Columbia shall charge to West Columbia, and West Columbia shall pay to Columbia, the
 applicable West Columbia Transmission Line Pro Rata Shares of the cost of any capital project
 required to maintain the existing capacity of any part of the West Columbia Transmission Line
 and its ability to be operated in conformity with applicable state and federal regulations.

(D)Columbia shall charge to West Columbia, and West Columbia shall pay to Columbia, the
 Pump Station Pro Rata Share of the cost of any capital project required to maintain the existing
 capacity of the Pump Station and its ability applicable state and federal regulations.

(E) To assist West Columbia in its rate planning and capital requirements forecasting, Columbia shall keep West Columbia informed and updated as to its plan for capital projects and the anticipated costs of projects. To provide West Columbia reasonable time to obtain required financing, payment for any Capacity Maintenance Costs that in aggregate are less than \$1 million will be due not later than 120 days after they are properly invoiced to West Columbia, and payment for any Capacity Maintenance Costs that costs exceeding \$1 million in aggregate will be due not less than 180 days after they are properly invoiced.

1 2 an NPDES permit amendment or construction permit, whichever is later, if one is required for the Capital Expansion Plan.

3 (C) West Columbia will make payments for a Capital Expansion Plan monthly as construction
 4 and other invoices are approved for payment.

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Article V. <u>FATS, OILS AND GREASE ("FOG") PROGerate</u>

8 Section 5.01 Within 180 days of the Effective Date of this Agreement, West Columbia shall 9 develop and enact a FOG Program establishing uniform registration, operating, maintenance, 10 cleaning, and inspection requirements designed to limit and control the discharge of fats, oils, 11 and grease from Food Service Establishments ("FSEs") into the West Columbia Sewer System. 12 At West Columbia's option, it may develop a FOG Program and submit to Columbia for 13 approval, which approval shall not unreasonably be withheld; or may adopt Columbia's FOG 14 Program, including the promulgation of a regulation comparable to Parts 29 and 30 of 15 Columbia's Engineering Regulations. West Columbia may change between these options at any 16 time in its discretion. In no event will West Columbia be required to adopt standards or 17 requirements more stringent than those adopted by Columbia in its FOG program.

18 Section 5.02 West Columbia will enact all ordinances necessary to implement and enforce the
 19 FOG Program developed pursuant to this Paragraph.

Section 5.03 Columbia may audit the West Columbia FOG Program as it deems reasonably necessary to ensure full implementation and enforcement of the FOG Program, including, but not limited to, regular periodic inspections of all FSEs and enforcement action for violations of the West Columbia FOG Program requirements.

Section 5.04 West Columbia shall maintain accurate records concerning implementation and enforcement of the West Columbia FOG Program, including the number of inspections, citations, and new FSEs which shall be submitted to Columbia semi-annually. West Columbia shall also make such records available to Columbia for review upon reasonable request.

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Article VI. INDUSTRIAL PRE-TREATMENT PROGRAM

Section 6.01 Sewer Use Ordinance. West Columbia will forward to Columbia for review a draft of its proposed sewer use ordinance within 90 days of the Effective Date. Within 60 days of receipt of comments from Columbia, West Columbia will adopt a local sewer use ordinance which is no less stringent and is as broad in scope as the sewer use ordinance adopted by Columbia and codified at Chapter 23 of the Columbia Code of Ordinances ("*Columbia Ordinance*"). 1 (F) West Columbia will pay to Columbia those outstanding Capacity Maintenance Costs due at

2 the Effective Date of this Amended and Restated Agreement in the approximate amount of \$8.6

3 million on or before June 30, 2015.

4 Section 4.02 Participation in Capital Expansion Projects

5 (A) Columbia will inform West Columbia of any plans to expand the Plant, Columbia 6 Transmission Line, West Columbia Transmission Line or Pump Station (a "*Capital Expansion*

7 *Plan*") no less than six months prior to undertaking such expansion activity.

8 (B) Within 90 days of notice of a Capital Expansion Plan, West Columbia may request 9 additional capacity be added to the Capital Expansion Plan, and, as set forth in Section 4.01, will 10 agree to pay its Pro Rata Share of the cost associated with the Capital Expansion Plan pro rata, 11 based on the percentage that the capacity requested by West Columbia represents of the total 12 Capital Expansion Plan

13 (C) If due to regulatory, permitting or other limitations, the amount of capacity that can be 14 added to the Plant, Columbia Transmission Line, West Columbia Transmission Line or Pump 15 Station is less than the amount requested by all Parties, then each party will share pro rata in the 16 expansion based on the relative size that each Party's request bears to the total request for 17 capacity.

18 Section 4.03 Capital Expansion Requests. West Columbia may request additional capacity
 19 from Columbia to meet demands on the West Columbia system:

(A) If Columbia has unused capacity that it can lawfully allocate to this request, it will provide
West Columbia that capacity for a capacity cost payment equal to the purchase price expressed
in MGD of capacity in the Plant, Columbia Transmission Line, West Columbia Transmission
Line or Pump Station at issue as shown on Columbia's books.

- (B) If Columbia does not have sufficient unused capacity that it can lawfully allocate to a
 request, Columbia will undertake a Capital Expansion Plan, provided that:
- (i) West Columbia agrees to pay its Pro Rata Share, as set forth in Section 4.01, of the cost
 of the Capital Expansion Plan based on the amount of capacity requested by West
 Columbia as a percentage of the total additional capacity to be constructed;
- (ii) Columbia's obligation to undertake a Capital Expansion Plan is conditional on
 availability of permits, waste load allocations, compliance with discharge limitations
 and the availability of required rights of way and other property interest; and
- 32 (iii) Columbia will have 4 years to construct or expand the required facilities to provide the 33 requested capacity, provided that this deadline shall be three years from the issuance of

Section 6.02 Ordinance Amendments. Whenever Columbia amends the Columbia Ordinance, it will forward a copy of the amended Columbia Ordinance to West Columbia. Within 90 days of receipt of the Columbia's amendments, West Columbia will adopt amendments to its sewer use ordinance that are at least as stringent as those adopted by Columbia.

Section 6.03 Local Limits. West Columbia has enacted pollutant specific local limits which 5 6 address at least the same pollutant parameters and are at least as stringent as the local limits 7 enacted by Columbia. If Columbia makes any revisions or additions to its local limits, Columbia 8 will forward to West Columbia a copy of such revisions or additions within 30 days of enactment 9 thereof. Within 90 days of receipt thereof, West Columbia will adopt any such revisions or 10 additions to its local limits to ensure that such limits address at least the same pollutant parameters and are at least as stringent as the revised or additional local limits enacted by 11 12 Columbia.

Section 6.04 Enforcement of the West Columbia Ordinance. West Columbia designates 13 14 Columbia as the agent of West Columbia for the purposes of implementation and enforcement of 15 the West Columbia Ordinance against Industrial Users (as defined in S.C. Regulation 61-9.403.3) located on the West Columbia Sewer System. Columbia may take any action under the 16 17 West Columbia Ordinance that could have been taken by West Columbia, including the 18 enforcement of the West Columbia Ordinance in courts of law. Columbia, on behalf of and as 19 agent for West Columbia, will perform technical and administrative duties necessary to 20 implement and enforce the West Columbia Ordinance against Industrial Users. Columbia will: 21 (1) update the industrial waste survey; (2) issue permits to all Industrial Users required to obtain a permit; (3) conduct inspections, sampling, and analysis of Industrial Users; (4) take all 22 23 appropriate enforcement action as outlined in Columbia's enforcement response plan and provided for in the West Columbia Ordinance; and (5) perform any other technical or 24 administrative duties the Parties deem appropriate. In addition, Columbia may, as agent of West 25 Columbia, take emergency action to stop or prevent any discharge which presents or may present 26 an imminent danger to the health or welfare of humans, which reasonably appears to threaten the 27 28 environment, or which threatens to cause interference, pass through, or sludge contamination.

29 **Section 6.05** New Industrial Users. Any new industrial user must have a permit to connect to the West Columbia System prior to discharge of any industrial wastewater into the that system. 30 31 Columbia shall issue such permits as West Columbia's agent. Such permits which shall not be 32 withheld so long as from an engineering standpoint, the industrial user's discharges can be 33 accepted into the system without the resulting waste streams violating applicable operating limits 34 and permit requirements after accounting for mixing and diluting of waste streams. Except as 35. otherwise required by law, Columbia shall not impose any pretreatment permit standards on new or existing industrial customers in West Columbia that are more stringent or restrictive than 36 those that apply to industrial customers located on Columbia's System. 37

Section 6.06 Industrial Users Outside of West Columbia's Boundaries. Before an Industrial 1 User located outside the corporate boundaries of West Columbia is approved to discharge into 2 the West Columbia Sewer System, West Columbia will enter into an agreement with that 3 Industrial User whereby that Industrial User agrees that it is subject to all requirements and 4 provision of the West Columbia Sewer Ordinance to the same extent as if that user was 5 physically located within the municipal limits of West Columbia. In that agreement, the 6 Industrial User will enter a binding stipulation that any discharge of waste in violation of the 7 West Columbia Sewer Ordinance will conclusively be presumed to be a discharge into the lines, 8 pump stations and other facilities located within the municipal boundaries of West Columbia and 9 therefore a violation of the ordinance will be deemed to occur within the municipal limits of 10 West Columbia. Such agreement will incorporate all relevant terms of this Agreement and must 11 be entered into prior to a discharge from any such Industrial User. 12

Section 6.07 Challenges to Columbia's Legal Authority. If the authority of Columbia to act as agent for West Columbia pursuant to this Article is questioned by an Industrial User, court of law, or otherwise, West Columbia will take whatever action is reasonably necessary to ensure the implementation and enforcement of West Columbia Ordinance against its Industrial Users, including, but not limited to, implementing and enforcing West Columbia Ordinance on its own behalf and/or amending this Agreement to clarify Columbia's authority under this Article.

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Article VII. MISCELLANEOUS

Section 7.01 Operation and Maintenance of the Columbia Sewer System. Columbia shall be solely responsible for all operating and maintenance obligations for the Columbia Sewer System and for compliance with licenses and permits applicable to it. Columbia shall be solely responsible for planning, procuring and placing into service all capital improvements to the Columbia Sewer System.

Section 7.02 Operation and Maintenance of the West Columbia Sewer System. West Columbia shall be solely responsible for all operating and maintenance obligations for the West Columbia Sewer System and for compliance with licenses and permits applicable to it. West Columbia shall be solely responsible for all planning, procuring and placing into service all capital improvements to the West Columbia Sewer System.

Section 7.03 Infiltration and Inflow Control Program. West Columbia shall manage, operate and maintain the West Columbia Sewer System so as to minimize peak flows into the Columbia Sewer System by limiting the infiltration and inflow of surface and ground water and other extraneous flows into the West Columbia Sewer System. Within 180 days of the Effective Date and in consultation with and the concurrence of Columbia, West Columbia shall develop a program to control the infiltration and inflow of extraneous flows into the West Columbia Sewer System ("I/I Control Program"). The I/I Control Program shall reflect sound engineering

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practices and shall be consistent with the engineering standards contained in the materials referenced in Section 2.02. It shall be updated from time to time as circumstances warrant. Upon its adoption, West Columbia will implement the I/I Control Program and will provide Columbia with an annual report on the actions taken by West Columbia to implement the I/I Control Program.

б Section 7.04 Peak Flow Limitations. Where Columbia reasonably determines that flows originating or transmitted through the West Columbia Sewer System to the Columbia Sewer 7 8 System, which flows exceed the allocated capacities contained in Sections 2.03, 2.04 and 2.05, 9 are or can reasonably be expected to cause or contribute to (1) a sanitary sewer overflow in the 10 Columbia Sewer System, (2) a condition resulting in flows exceeding the pumping capacity of a 11 Columbia Sewer System pump station, and/or (3) a violation of the City Permit, Columbia may 12 impose peak flow limitations upon the West Columbia Sewer System as Columbia determines 13 are reasonably necessary to avoid such conditions.

Section 7.05 Reporting of New Customers. West Columbia shall report to Columbia on a
 monthly basis all applications for new sewer connection.

16 Section 7.06 Termination. Upon termination of this Agreement by Columbia where a successor or substitute agreement is not negotiated between Columbia and West Columbia, West 17 18 Columbia will be entitled to a refund of the unamortized value of any asset to which West 19 Columbia contributed. The amount of that refund will equal the original amount of West 20 Columbia's capital contributions to Columbia for sewer service less straight line depreciation 21 recorded on the associated assets which depreciation shall be based on an engineering 22 assessment of the useful lives of those assets. If a successor or substitute agreement is negotiated 23 to replace this Amended and Restated Agreement and extends the use by West Columbia of the 24 Wastewater Facilities, the parties shall give West Columbia due credit for the capacity value 25 represented by West Columbia's Use Equity. In any future agreement, West Columbia shall not 26 be required to pay additional capital related cost for Use Equity it has obtained under this 27 Amended and Restated Agreement or the 1975 Agreement.

Section 7.07 Generally Accepted Accounting Principles. All matters of accounting and rate making, including without limitation, the recording of costs as capital costs or expenses, and the allocation of cost to the Plant, the Pump Station or and of the lines, will be based on generally accepted accounting principles for state and local government entities, as established by the Government Accounting Standards Board, and generally accepted cost of service rating principles, as embodied in the American Water Works Association, (Manual 1) Principles of *Water Rates, Fees and Charges*, 6th edition, as updated from time to time.

35 Section 7.08 Records. West Columbia will have access to Columbia's records to verify all 36 costs and charges, and Columbia will cooperate with any rate or other financial studies 37 undertaken by West Columbia related to the financial administration of this Agreement. Section 7.09 Billing and Payment. All usage charges specified herein, including but not
 limited to Base Charges, Volumetric Charges, 7-Day Excess Usage Charges and Industrial
 Pretreatment Program Charges (collectively, "*Bills*", individually, "*Bill*"), shall be furnished by

4 Columbia to West Columbia within 20 days of the end of each calendar month. West Columbia

5 shall pay to Columbia the amount contained in the Bill within 20 days of receipt of the Bill.

6 Section 7.10 Withholding Payment. Payment of Bills may be withheld only upon a reasonable
7 dispute.

8 Section 7.11 Notices. All notices, demands, requests, consents, or approvals required or 9 permitted to be given under this Agreement shall be deemed sufficiently given if in writing sent 10 by registered mail, postage prepaid, return receipt requested, addressed to the Parties to be so

- 11 notified as follows:
- 12 City of Columbia
- 13 Attn: City Manager
- 14 1737 Main Street
- 15 Columbia, SC 29201
- 17 City of West Columbia
- 18 Attn: City Administrator

19 200 N. 12th Street

- 20 West Columbia, SC 29169
- 21

16

Any Party hereto may, by notice given to the other Party to this Agreement, designate any further or different addresses to which subsequent notice, certificates or other communications shall be sent.

Section 7.12 Transfer of the Agreement. Columbia may not effect a transfer of the Agreement without first obtaining the written consent of West Columbia, which will not be unreasonably withheld.

Section 7.13 Force Majeure. If by reason of Force Majeure either Party hereto shall be rendered unable wholly or in part to carry out its obligations under this Agreement, then such Party shall give notice and full particulars of such Force Majeure in writing to the other Party within a reasonable time after occurrence of the event or cause relied on, the obligation of such Party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, but for no longer period, and any such Party
 shall endeavor to remove or overcome such inability with all reasonable dispatch.

3 Section 7.14 Titles of Articles and Sections. Any titles of the several parts, Articles and 4 Sections of this Agreement are inserted for convenience or reference only and are not definitive 5 in construing or interpreting any of its provisions.

- 6 Section 7.15 Duplicate Originals and Counterparts. This Agreement may be executed in 7 duplicate originals and in several counterparts, and all of which duplicate originals and 8 counterpart originals when taken together shall constitute the Agreement in its entirety.
- 9 Section 7.16 Authorization. Each of the Parties hereto hereby represents and warrants that all appropriate action has been taken by their respective governing bodies to authorize the execution of and the performance of the obligations set forth in this Agreement and that the person(s) executing the Agreement on behalf of each Party has been duly authorized to do so.
- **Section 7.17** Arms-Length Transaction. The Parties hereby acknowledge that this Agreement arose as the result of arm's length negotiations between the Parties and that this Agreement was prepared with the advice, consent, recommendation and review of each all Parties and their counsel, and is the product of input by all Parties. As a result, any ambiguity or uncertainty is not to be construed against the Party whose counsel prepared this Agreement on the grounds that such Party's representatives drafted this Agreement or any part thereof.
- 19 Section 7.18 Amendment. This Agreement may not be amended, changed, modified or
 20 terminated without in each instance the prior written consent of the parties hereto.
- 21 Section 7.19 Third Party Beneficiaries. There are no third-party beneficiaries to this 22 Agreement. No other third party may assert any claim under this Agreement, and this 23 Agreement does not and is not intended to confer in favor of any other persons or entities any 24 rights or remedies whatsoever.
- Section 7.20 Further Assurances. The Parties agree to give such further assurances, and to execute, acknowledge and deliver such other instruments as shall be reasonably necessary or appropriate in the judgment of the other Parties to carry out the intent of this Agreement.
- 28 Section 7.21 Severability. In the event any provision of this Agreement shall be held invalid or 29 unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render 30 unenforceable any other provision hereof.
- 31 Section 7.22 Jury Trial. The Parties waive the right to jury trial in any action arising under this
 32 Agreement.
 - [SIGNATURE PAGE TO FOLLOW]

33

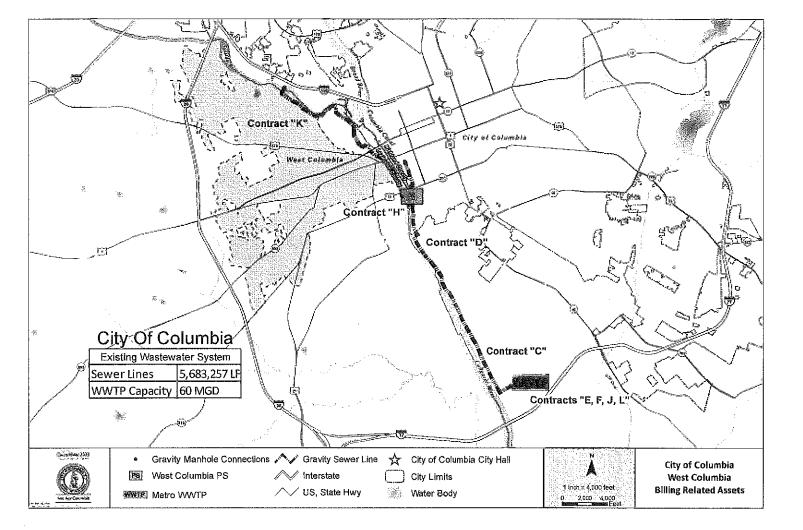
CITY OF WEST COLUMBIA, SOUTH CAROLINA

2 Ill fle uningham 3 BY: 4 Jennifer T. Cunningham 5 ITS: City Administrator 6 7 8 CITY OF COLUMBIA, SOUTH CAROLINA 9 enera Wilson 10 BY: 11 Teresa B. Wilson 12 City Manager ITS:

6

1

APPROVED AS TO FORM Legy Department City of Columbia, SC



| C | ity of West Col | annoid Dinnig | | | | |
|--|--|---|---|---|---|---|
| FY2014-15 | | | | | | |
| Billing Period: | | | | | | |
| ebruary 5, 2015 - March 4, 2015 | | | | | | |
| Definitions: | | | | | | |
| Silling Period = Invoice Time Frame | | 1 | | Cells Populated from | Another Tab | |
| 2wc = Total West Columbia Sewer Flow for the Billing 2wc7day = 7 Day Total Flow (In Gallons) | Period (in Galions) | | | Cells to be Filled out e | ach Billing Period | |
| Qwc7dayExcess = Amount_Over Maximum Use Equity | in 7 Day Period (In Gallor | ns) | | | | |
| Fixed Cost = CWC Pro Rata Share - O&M Variable Cost = CWC Pro Rata Share - Chemical, Electi WWTP Debt Service Expense/1000 gal = Debt Service | ricity, Gas, Supplies, etc. for Wastewater Treatmer | | | Cells to be Filled out A | аппиану | |
| Flow Input Values: | | | | | | |
| Number of Days in Billing Period | | Days | | i | | |
| Qwe | 89,814,747 | - | | | | |
| Qwc7day for Week 1 Dwc7day for Week 2 | 18,733,094 18,418,601 | | | | | |
| Qwc7day for Week 2 Qwc7day for Week 3 | 22,795,410 | | | | | |
| Qwc7day for Week 4 | 29,866,642 | | | | | |
| Qwc7day for Week 5 | 4.3 (A) a h Canada | gallons | | | | |
| Average Daily Flow | 3,207,669.53 3.21 | | | | | |
| Anticle II See 4 5 6 and 7 | | | | | | |
| Article II Sec. 4, 5, 6, and 7 | | | | | | |
| | | ur | | | | |
| Sec. 4 + Eqlication System O&M | | LF FY13-14 (Last Year's A | ctual Expenses) | | | |
| Sec. 4 - Collection System O&M Total Collection System Length: | | LF FY13-14 (Last Year's A | WWM O&M Cost | West Columbia | City of West Colo | |
| iec. 4 - Caligation System O&M Fotal Collection System Length: Nastewater Maintenance (WWM) Budget: | | | WWM O&M Cost per | West Columbia Share per Article 1 Sec. 6 | City of West Cole Pro Rata Sha per Article II Si | re |
| iec. 4 - Editection System OBM Fotal Collection System Length: Nastewater Maintenance (WWM) Budget: West Columbia Transmission Lines (WCTL) | | LF FY13-14 (Last Year's A % of System 0.23754% | WWM O&M Cost | Share per Article 1 Sec. 6 | Pro Rata Sha | re ec. 4 |
| Ge. & Callection System D&M Fotal Collection System Length: Wastewater Maintenance (WWM) Budget: West Columbia Transmission Lines (WCTL) | LF of Sewer Line | % of System 0.23754% 0.13885% | WWM O&M Cost per Month \$1,412.67 \$825.73 | Share per Article 1 Sec. 6 8.00% 8.00% | Pro Rata Sha per Article II Se \$ \$ | ec. 4 113.0 66.0 |
| West Columbia Transmission Lines (WCTL) | LF of Sewer Line 13500 7891 850 | % of System 0.23754% 0.13885% 0.01496% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 | Share per Article 1 Sec. 6 8.00% 8.00% 43.96% | Pro Rata Sha per Article II Se \$ \$ \$ | ec. 4 113.0 66.0 39.1 |
| West Columbia Transmission Lines (WCTL) C, Limited to section as defined in Article 1, Sec 8 (Div. 1] Sec. A | LF of Sewer Line 13500 7891 850 7429 | % of System 0.23754% 0.13885% 0.01496% 0.13072% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 | Share per Article 1 Sec. 6 8.00% 8.00% 43.96% 43.96% | Pro Rata Sha per Article II Se \$ \$ | ec. 4 113.0 66.0 39.1 341.7 |
| Sec. & - Collection System D&M Total Collection System Length: Wastewater Maintenance (WWM) Budget: <u>West Columbia Transmission Lines (WCTL)</u> C D, Limited to section as defined in Article 1, Sec 8 K Div. I K Div. I Sec. A | LF of Sewer Line 13500 7891 850 | % of System 0.23754% 0.13885% 0.01496% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 | Share per Article 1 Sec. 6 8.00% 8.00% 43.96% 43.96% | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re |
| Sec. & Collection System D&M Total Collection System Length: Wastewater Maintenance (WWM) Budget: West Columbia Transmission Lines (WCTL) C D, Limited to section as defined in Article 1, Sec 8 K Div. 1 K Div. 1 Sec. A K Div. II Sec. A | LF of Sewer Line 13500 7891 850 7429 | % of System 0.23754% 0.13885% 0.01496% 0.13072% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 | Share per Article 1 Sec. 6 8.00% 43.96% 43.96% 37.04% | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re 20. 4 113.0 66.0 39.1 341.7 337.3 |
| Cotal Collection System D&M Total Collection System Length: Wastewater Maintenance (WWM) Budget: West Columbia Transmission Lines (WCTL) Columited to section as defined in Article 1, Sec 8 (Div. 1 Colv. 1 Sec. A (Div. 1 Sec. A Sec. 5 - WWTP-OBM Fotal Annual WWTP Expenses | LF of Sewer Line 13500 7891 850 7429 | % of System 0.23754% 0.13885% 0.01496% 0.13072% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 | Share per Article 1 Sec. 6 8.00% 43.96% 43.96% 37.04% | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re <u>ec. 4</u> 113.0 66.0 39.1 341.7 337.3 |
| Sec. 4 - Collection System O&M Total Collection System Length: Wastewater Maintenance (WWM) Budget: | LF of Sewer Line 13500 7891 850 7429 | % of System 0.23754% 0.13885% 0.01496% 0.13072% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 | Share per Article 1 Sec. 6 8.00% 43.96% 43.96% 37.04% | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re <u>ec. 4</u> 113.0 66.0 39.1 341.7 337.3 |
| Sec. 4 - Collection System D&M Total Collection System Length: Wastewater Maintenance (WWM) Budget: West Columbia Transmission Lines (WCTL) C D, Limited to section as defined in Article 1, Sec 8 K Div. 1 K Div. 1 Sec. A K Div. 1 Sec. A Sec. 5 - WWTP O&M Total Annual WWTP Expenses Applicable Annual WWTP Expenses | LF of Sewer Line 13500 7891 850 7429 8703 8705 | % of System 0.23754% 0.13885% 0.01496% 0.13072% 0.15313% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 | Share per Article 1 Sec. 6 8.00% 43.96% 43.96% 37.04% Subtotal = | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re <u>ec. 4</u> 113.0 66.0 39.1 341.7 337.3 |
| Sec. 6 - Collection System D&M Total Collection System Length: Wastewater Maintenance (WWM) Budget: West Columbia Transmission Lines (WCTL) C D, Limited to section as defined in Article 1, Sec 8 K Div. 1 K Div. 1 Sec. A K Div. 1 Sec. A K Div. 1 Sec. A Sec. 5 - WWTP-C&M Sec. 5 - WWTP-C&M Total Annual WWTP Expenses Ratio Total Annual WWTP Flow FY13-14 Total Annual Flow from West Columbia Actual Percentage of Total Flow | LF of Sewer Line 13500 7891 850 7429 8703 8705 8705 8705 8705 8705 8705 8705 8705 8705 8705 8705 8705 | % of System 0.23754% 0.13885% 0.01496% 0.13072% 0.15313% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 \$910.70 | Share per Article 1 Sec. 6 8.00% 43.96% 43.96% 37.04% Subtotal = | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re 2c. 4 113.0 66.0 39.1 341.7 337.3 |
| Actual Percentage of Total NWYTP Flow FY13-14 Fotal Annual WWTP Flow FY13-14 Fotal Annual Flow from West Columbia Fixed Cost | LF of Sewer Line 13500 7891 850 7429 8703 | % of System 0.23754% 0.13885% 0.013072% 0.13072% 0.15313% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 \$910.70 | Share per Article 1 Sec. 6 8.00% 43.96% 37.04% Subtotal = 4 Month Results Contract 5.45% | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re <u>ec. 4</u> 113.0 66.0 39.1 341.7 337.3 |
| Get A - Equirection System D&M Fotal Collection System Length: Mastewater Maintenance (WWM) Budget: | LF of Sewer Line 13500 7891 850 7429 8703 8703 7429 8703 745 745 745 745 745 745 745 745 | % of System 0.23754% 0.13885% 0.1496% 0.13072% 0.15313% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 \$910.70 Estimated Based on 4 Cost/1000 Gai \$0.23157 | Share per Article 1 Sec. 6 8.00% 43.96% 37.04% Subtotal = 4 Month Results Contract 5.45% | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re <u>ec. 4</u> 113.0 66.0 39.1 341.7 337.3 |
| Sec. #-Collection System D&M Fotal Collection System Length: Wastewater Maintenance (WWM) Budget: West Columbia Transmission Lines (WCTL) C D. Limited to section as defined in Article 1, Sec 8 (Div. 1) C Div. I Sec. A K Div. I Sec. A Sec. 5 - WWTP-OSTM Fotal Annual WWTP Expenses Applicable Annual WWTP Flow FY13-14 Total Annual Flow from West Columbia Actual Percentage of Total Flow Fixed Cost Yariable Cost Total WWTP O&M = Fixed Cost + (Variable Cost x Qwing Cost + (Variable Cost + | LF of Sewer Line 13500 7891 850 7429 8703 | % of System 0.23754% 0.13885% 0.1496% 0.13072% 0.15313% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 \$910.70 Estimated Based on 4 Cost/1000 Gai \$0.23157 | Share per Article 1 Sec. 6 8.00% 43.96% 37.04% Subtotal = 4 Month Results Contract 5.45% | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re <u>ec. 4</u> 113.0 66.0 39.1 341.7 337.3 |
| Control Collection System O&M Fotal Collection System Length: Mastewater Maintenance (WWM) Budget: West Columbia Transmission Lines (WCTL) , United to section as defined in Article 1, Sec 8 (Div. 1), United to section as defined in Article 1, Sec 8 (Div. 1) , United to | LF of Sewer Line 13500 7891 850 7429 8703 8703 7429 8703 745 745 745 745 745 745 745 745 | % of System 0.23754% 0.13885% 0.1496% 0.13072% 0.15313% | WWM O&M Cost per Month \$1,412.67 \$825.73 \$88.95 \$777.39 \$910.70 Estimated Based on 4 Cost/1000 Gai \$0.23157 | Share per Article 1 Sec. 6 8.00% 43.96% 37.04% Subtotal = 4 Month Results Contract 5.45% | Pro Rata Sha per Article II Se \$ \$ \$ \$ \$ | re <u>ec. 4</u> 113.0 66.0 39.1 341.7 337.3 |

| | City of West Col | umbia Billing | g Worksheet | | |
|--|-------------------------------------|---|---|-----------------------------|------------------|
| FY2014-15 Billing Period: | | | | | |
| February 5, 2015 - March 4, 2015 | | | | | |
| Sec. 6 - 7-Day Excess Usage | | | yana ya da bahar | | |
| Formula: | Qwc7day - (7 x 3,270,0 | 00 gallons x 1.1) | | | |
| Qwc7dayExcess - Week 1 Qwc7dayExcess - Week 2 Qwc7dayExcess - Week 3 Qwc7dayExcess - Week 4 Qwc7dayExcess - Week 5 | - - 4,687,641.94 - | | | | |
| Sec. 6 - 7 Day Usage Charge | | | ale de la sectada de la sectada Sectada de la sectada de la Sectada de la sectada de la | | |
| Current WWTP Debt Service per Finance Dept. Design Life (years) Interest Rate (%) Debt Service Expense WWTP Debt Service Expense/1,000 gal | 45 | (Weighted Average) (Weighted Average) | from FY'09 through F | Y'14} | |
| Formula: 7-Day Usage Charge ≈ | (Fixed Cost + Debt Se | rvice Expense)/1000 g | ał x (Q _{wc} 7dayExcess/1,0 | 00 galions) | |
| 7-Day Usage Charge - Week 1. 7-Day Usage Charge - Week 2 7-Day Usage Charge - Week 3 7-Day Usage Charge - Week 4 7-Day Usage Charge - Week 5 | \$ \$ \$ 2,472.76 \$ | - | | | |
| | | | | Subtotal # | <u>7 1</u> 72.76 |
| Sec. 7 - West Columbia Pump Station OEM | | | | | |
| Total Annual WCPS Flow FY13-14 Total Annual Flow from City of West Columbia Actual Percentage of Total Flow | 2,649.58 1,062.62 40.11% | MG | Estimated Based on 4 Estimated Based on 4 | | |
| Fixed Cost Variable Cost | Total Expenses | Monthly Expenses \$797.27 \$11,206.54 | | Contract 43.96% \$350.48 | |
| Formula: Total Pump Station O&M = | Fixed Cost + (Variable | Cost x Qwc/1,000 gai | lons) | | |
| Fixed Cost Variable Cost/1000 Total Variable Cost | \$350.48 \$0.05075 \$4,558.51 | | | | |
| | | | | Subtotal = | 4,909.00 |
| Article (II Sec. 2 | | | | | |
| Sec. 2 - Industrial Pretreatment Program (IPP) Charg | | | | | |
| Total Number of Industries; Total Number of Industries in West Columbia: | 29 1 | | | | |
| Formula: IPP Charges ≓ | Total Number of Indu | stries in City of West (| Columbia / Total Numb | er of Industries | |
| Estimated IPP Expenses | Expenses | Monthly Expenses \$6,668.38 | Pro Rata Share 5.26% | IPP Charges \$350.97 | |
| | | | | Subtotal = | 350.97 |
| Total O&M Costs ≖ | Sec. 4 Subtotal + Sec. | 5 Subtotal + Sec. 6 Su | btotal + Sec. 7 Subtotal | | |
| | | | Total This Bill | ing Period = | \$ 61,407.61 |

City of West Columbia Billing Worksheet FY2014-15 Billing Period: March 5, 2015 to April 1, 2015 Definitions: Cells Populated from Another Tab Billing Period = Invoice Time Frame Qwc = Total West Columbia Sewer Flow for the Billing Period (In Gallons) Q_{wc}7day = 7 Day Total Flow (In Gallons) Cells to be Filled out each Billing Period Qwc7dayExcess = Amount Over Maximum Use Equity in 7 Day Period (In Gallons) Cells to be Filled out Annually Fixed Cost = CWC Pro Rata Share - O&M Variable Cost = CWC Pro Rata Share - Chemical, Electricity, Gas, Supplies, etc. WWTP Debt Service Expense/1000 gal = Debt Service for Wastewater Treatment Plant Flow Input Values: 28 Days Number of Days in Billing Period 85,645,234 galions Qwa 22,045,159 gallons Qwc7day for Week 1 21,177,073 gallons Qwc7day for Week 2 23,077,759 gallons Qwc7day for Week 3 19,345,243 gallons Qwc7day for Week 4 🤫 (gallons Qwc7day for Week 5 3,058,758.36 GPD Average Daily Flow 3.06 MGD Article II Sec. 4, 5, 6, and 7 Sta 4 - Collection System O&M Total Collection System Length: r 5**;683;257** LF Wastewater Maintenance (WWM) Budget: FY13-14 (Last Year's Actual Expenses) West Columbia **City of West Columbia** WWM O&M Cost Pro Rata Share Share per Article 1 per per Article II Sec. 4 LF of Sewer Line % of System Month Sec. 6 West Columbia Transmission Lines (WCTL) \$1,412.67 8.00% 113.01 \$ 13500 0.23754% 8.00% 66.06 D, Limited to section as defined in Article 1, Sec 8 7891 0.13885% \$825.73 \$ 39.10 850 0.01496% \$88.95 43.96% \$ K Div. l 43.96% \$ 341.74 0.13072% \$777.39 7429 K Div. II Sec. A 37.04% 337.32 \$910.70 K Div. II Sec. B 8703 0.15313% Subtotal ≠ \$ 897.24 Sec. 5 - WWTP OBM 國際的主義 Total Annual WWTP Expenses Applicable Annual WWTP Expenses 74% Ratio Total Annual WWTP Flow FY13-14 MG Estimated Based on 4 Month Results Total Annual Flow from West Columbia MG Actual Percentage of Total Flow 7.96% Monthly Expenses Cost/1000 Gal Contract 5.45% Total Extenses \$14,039.68 \$257,608.86 \$0.23157 Fixed Cost \$0.43131 \$479.816.55 Variable Cost Total WWTP O&M = Fixed Cost + (Variable Cost x Qwc/1,000 gallons) \$14,039.68 Total Fixed Cost Total Variable Cost \$36,939.61

Subtotal ≓ \$

50.979

| (| City of West Columbia Billing Worksheet |
|--|--|
| FY2014-15 | |
| Billing Period: | |
| March 5, 2015 to April 1, 2015 | |
| Sec. 6 - 7-Day Excess Osage | |
| Formula: | Qwc7day - (7 x 3,270,000 gallons x 1.1) |
| Qwc7dayExcess - Week 1 | - |
| Qwc7dayExcess - Week 2 Qwc7dayExcess - Week 3 | · |
| Qwc7dayExcess - Week 4 | - · |
| Qwc7dayExcess - Week 5 | - |
| Sec. 6 – 7-Day Usage Charge | |
| Current WWTP Debt Service per Finance Dept. | \$72,339,127,48 (Only includes assets from FY'09 through FY'14) |
| Design Life (years) Interest Rate (%) | 45 (Weighted Average) 4/84% (Weighted Average) |
| Debt Service Expense | \$329,221.76 per Month |
| WWTP Debt Service Expense/1,000 gal | 0.30 |
| Formula: 7-Day Usage Charge = | (Fixed Cost + Debt Service Expense)/1000 gal x (Qwc7dayExcess/1,000 gallons) |
| 7-Day Usage Charge - Week 1 | \$ - |
| 7-Day Usage Charge - Week 2 | \$ - \$ - \$ - \$ - |
| 7-Day Usage Charge - Week 3 7-Day Usage Charge - Week 4 | рананананананананананананананананананан |
| 7-Day Usage Charge - Week 5 | <u>\$</u> |
| | Subtotal = S |
| Sec. 7 – West-Columbia Pump Station O&M | |
| Total Annual WCPS Flow FY13-14 | 2,649.58 MG Estimated Based on 4 Month Results |
| Total Annual Flow from City of West Columbia | 1,062.62 MG Estimated Based on 4 Month Results |
| Actual Percentage of Total Flow | 40.11% |
| | Total Expenses Monthly Expenses Cost/1000 Gal Contract 43.96% |
| Fixed Cost | \$350.48 \$134.378.47 \$11,206.54 \$0.05075 |
| Variable Cost | |
| Formula: Total Pump Station O&M = | Fixed Cost + (Variable Cost x Qwc/1,000 gallons) |
| Fixed Cost | \$350.48 \$0.05075 |
| Variable Cost/1000 Total Variable Cost | \$U.U5U75 \$4,346.89 |
| | Subtotal = 5 4,697,92 |
| 1 | |
| Article III Sec. 2 | |
| Sec. 2 - Industrial & Streatment Program (IPP) Chan | |
| Total Number of Industries: | |
| Total Number of Industries in West Columbia: | |
| Formula: IPP Charges = | Total Number of Industries in City of West Columbia / Total Number of Industries |
| 1 | Expenses Monthly Expenses Pro Rata Share IPP Charges |
| Estimated IPP Expenses | \$6,668.38 5.26% \$350.97 |
| | |
| | Subtotal = 5 |
| | Subtotal = State |
| Total O&M Costs = | Sec. 4 Subtotal + Sec. 5 Subtotal + Sec. 6 Subtotal + Sec. 7 Subtotal |
| | Total This Billing Period = \$ 56,924,88 |
| | |

Division:6205 - Utilities - Wastewater Maintenance (WWM)Art II Sec 4Collection System O&M

| Object | Description | Actual Expenses FY13-14 |
|--------|----------------------------------|----------------------------|
| 610100 |) Regular Salaries | 2,630,415.55 |
| 610200 |) Overtime Salaries | 146,752.65 |
| 610700 |) Part-Time Pay (Outside) | 35,262.91 |
| 611000 |) Sick Pay Bonus | 2,965.03 |
| 615100 |) City PD - SC Retire/Life Ins | 293,884.20 |
| 615300 |) City PD - Guardian AD&D | 898.57 |
| 615400 |) City PD - F.I.C.A. | 203,388.34 |
| 615500 |) City PD - Hosp. Insurance | 818,390.59 |
| 615600 |) City PD - Work/Comp Insurance | 232,163.82 |
| 615700 |) City PD - Unemployment Insur. | 13,364.39 |
| 615800 | City Paid Dental Insurance | 20,199.96 |
| 619700 |) Yr End Vac/Holiday/Sick Adjust | (10,448.11) |
| 621000 | Printing And Office Supplies | 6,093.11 |
| 621010 |) Small Office Furniture | 442.78 |
| 621100 |) Periodicals, Books, Other Publ | 1,816.35 |
| 621800 |) Gasoline And Petroleum Product | 361,471.03 |
| 623100 |) Small Hand Tools / Other Equip | 34,788.67 |
| 623200 |) Hardware And Building Material | 19,745.15 |
| 623300 |) Painting Supplies | ~ |
| 623400 |) Cement, Rock & Masonry Mater. | 6.94 |
| 623500 |) Paving And Asphalt Supplies | 248,346.77 |
| 623600 |) Electrical And Lighting Supply | - |
| 623700 |) Radio And Electronic Supplies | - |
| 624100 |) Uniforms And Clothing | 29,540.35 |
| 624400 |) Cleaning And Sanitation Supply | 430.84 |
| 624800 |) Chemicals | 3,180.60 |
| 624900 | Drugs And Medical Supplies | - |
| 625000 | Laboratory Supplies | - |
| 625400 |) Signs | 8,591.40 |
| 625500 |) Iron Casting & Structure Steel | •• |
| 625700 |) Pipe, Fittings, Hydrants, Etc | 280,187.30 |
| 625900 |) Safety Clothing And Supplies | 22,044.12 |
| 627100 |) Special Departmental Supplies | 49,851.61 |
| 627200 |) Xerox Copy And Supplies | 15,264.77 |
| 627300 |) Lawn And Grounds Supplies | 77,144.60 |
| 627500 |) Computer Equipment / Hardware | 702.64 |
| 627800 |) Radio Equipment | - |
| |) Inventory Adjustment | (83,643.66) |
| 629900 |) Miscellaneous Other Supplies | 1,057.12 |

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Division:6205 - Utilities - Wastewater Maintenance (WWM)Art II Sec 4Collection System 0&M

| Object | Description | Actual Expenses FY13-14 |
|-----------------|--------------------------------|----------------------------|
| 631100 | Postage And Delivery | 19.04 |
| 631200 | Employee Training & Prof Dev. | 31,878.82 |
| 631300 | Travel - Meals & Incidentals | 3,039.50 |
| 631310 | Travel - Lodging | 6,034.80 |
| 631320 | Travel - Transportation | 1,268.77 |
| 631400 | Membership And Dues | 395.00 |
| 631700 | Vehicle Repair/Service Supply | 512,901.52 |
| 631800 | Equipmt Repair/Service Supply | 31,068.55 |
| 631900 | Solid Waste Tipping Fee | 128,603.69 |
| 632100 | Telephone & Voice Mail | - |
| 632110 | Cell Phones | 16,240.83 |
| 632150 | Internet | - |
| 632160 | Voice Mail | - |
| | Support Services - General Fun | 4,762.58 |
| | Advertising | 2,255.36 |
| 636400 | Equipment Lease/Rental | - |
| 636500 | Other Lease / Rental | 1,279.80 |
| 636600 | Professional Services | 294,080.19 |
| 636800 | Awards And Trophies | 101.52 |
| 636900 | Medical Services | - |
| 638100 | Building Maintenance & Repair | - |
| 638200 | Maintenance & Service Contract | 97,185.04 |
| 638300 | Special Contracts | - |
| 638305 | Spc Contracts - W/S, SW | 435,711.56 |
| 639200 | Radio Service / Central Stores | 8,196.00 |
| 644950 | GASB 45 Health | 97,200.89 |
| 657200 | Office Equipment Non-capital | |
| 657400 | Other Equipment Non-capital | |
| 657500 | Auto, Truck Non-capital | |
| 658000 | Capital Outlay/Contingency | (658,628.56) |
| 658300 | Machinery & Equipment -Capital | 98,871.58 |
| 658400 | Other Equipment - Capital | |
| | Auto,Trucks,Hvy Equip-Capital | 559,756.98 |
| 658650 | Capital Project Costs | - |
| Division Total: | | 7,136,523.85 |

Division: 6208 - Utilities Metro WWTP

| rt II Sec 5 | WWTP O&M | | | | | |
|-------------|-----------------------------------|-----------------|--------------------------|---------------------------------------|----------------|----------|
| | | | FROM PUMP STATION TAB | <u>FROM</u> COMPLIANCE- IPP TAB | | |
| Object | Description | Actual Expenses | Reduction for | Reduction for | Remaining | Contract |
| | | FY13-14 | Pump Stations | Compliance | Expenses | Category |
| 610100 | 0 Regular Salaries | \$2,475,410.71 | \$301,063.46 | \$234,160.47 | \$1,940,186.77 | Fixed |
| 610200 | 0 Overtime Salaries | \$181,506.99 | \$22,075.17 | \$17,169.58 | \$142,262.24 | Fixed |
| 61070 | 0 Part-Time Pay (Outside) | \$51,900.16 | \$0.00 | \$0.00 | \$51,900.16 | Fixed |
| 611000 | 0 Sick Pay Bonus | \$2,259.36 | \$500.00 | \$0.00 | \$1,759.36 | Fixed |
| 61510 | 0 City PD - SC Retire/Life Ins | \$279,714.70 | \$34,019.36 | \$26,459.50 | \$219,235.85 | Fixed |
| 615300 | 0 City PD - Guardian AD&D | \$824.43 | \$100.27 | \$77.99 | \$646.17 | Fixed |
| 61540(| 0 City PD - F.I.C.A. | \$196,762.99 | \$23,930.63 | \$18,612.72 | \$154,219.64 | Fixed |
| 61550(| 0 City PD - Hosp. Insurance | \$601,138.65 | \$73,111.46 | \$56,864.47 | \$471,162.73 | Fixed |
| 615600 | 0 City PD - Work/Comp Insurance | \$92,064.28 | \$11,197.01 | \$8,708.78 | \$72,158.49 | Fixed |
| 615700 | 0 City PD - Unemployment Insur. | \$9,339.17 | \$1,135.85 | \$883.44 | \$7,319.89 | Fixed |
| 615800 | 0 City Paid Dental Insurance | \$14,799.96 | \$1,800.00 | \$1,400.00 | \$11,599.97 | Fixed |
| 619700 | 0 Yr End Vac/Holiday/Sick Adjust | (\$54,030.68) | \$0.00 | \$0.00 | -\$54,030.68 | Fixed |
| 621000 | 0 Printing And Office Supplies | \$10,837.98 | \$0.00 | \$5,133.78 | \$5,704.20 | Variable |
| 621010 | 0 Small Office Furniture | \$2,598.24 | \$742.35 | \$371.18 | \$1,484.71 | Variable |
| 621100 | 0 Periodicals, Books, Other Publ | \$9,124.07 | \$1,232.98 | \$1,643.98 | \$6,247.11 | Variable |
| 621800 | 0 Gasoline And Petroleum Product | \$78,592.05 | \$26,773.12 | \$12,091.08 | \$39,727.85 | Variable |
| 623100 |) Small Hand Tools / Other Equip | \$303,965.53 | \$47,868.59 | \$2,393.43 | \$253,703.51 | Variable |
| 623200 | 0 Hardware And Building Material | \$3,933.68 | \$925.57 | \$0.00 | \$3,008.11 | Variable |
| 623300 | 0 Painting Supplies | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| | 0 Cement, Rock & Masonry Material | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| 623500 | D Paving And Asphalt Supplies | \$885.96 | \$413.45 | \$0.00 | \$472.51 | Variable |
| 623600 | D Electrical And Lighting Supply | \$60,256.93 | \$16,068.51 | \$0.00 | \$44,188.42 | Variable |
| 623700 | D Radio And Electronic Supplies | \$9,020.92 | \$3,608.37 | \$0.00 | \$5,412.55 | Variable |
| | D Uniforms And Clothing | \$36,832.61 | \$4,301.62 | \$3,360.64 | \$29,170.35 | Variable |
| 624200 |) Food And Provisions | \$750.52 | \$0.00 | \$0.00 | \$750.52 | Variable |
| 624400 | Cleaning And Sanitation Supply | \$15,446.09 | \$0.00 | \$0.00 | \$15,446.09 | Variable |
| | D Chemicals | \$1,341,624.69 | \$10,233.60 | \$1,023.36 | \$1,330,367.73 | Variable |
| 624900 | D Drugs And Medical Supplies | \$121.00 | \$22.00 | \$11.00 | \$88.00 | Variable |
| 625000 | D Laboratory Supplies | \$93,613.35 | \$0.00 | \$15,388.50 | \$78,224.85 | Variable |
| | 0 Signs | \$837.00 | \$380.45 | \$329.73 | \$126.82 | Variable |
| 625500 | 0 Iron Casting & Structure Steel | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| | 0 Meters, Parts, And Supplies | \$2,376.09 | \$528.02 | \$792.03 | \$1,056.04 | Variable |
| | 0 Pipe, Fittings, Hydrants, Etc | \$18,911.99 | \$6,051.84 | \$0.00 | \$12,860.15 | Variable |
| | D Safety Clothing And Supplies | \$13,715.41 | \$1,690.16 | \$951.64 | \$11,073.61 | Variable |
| | O Special Departmental Supplies | \$84,454.93 | \$9,142.03 | \$0.00 | \$75,312.90 | Variable |
| | 0 Xerox Copy And Supplies | \$14,458.39 | \$0.00 | \$0.00 | \$14,458.39 | Variable |
| | 0 Lawn And Grounds Supplies | \$867.90 | \$743.91 | \$0.00 | \$123.99 | Variable |
| | 0 Computer Equipment / Hardware | \$14,503.35 | \$3,625.84 | \$3,625.84 | \$7,251.68 | Variable |
| | 0 Computer License | \$6,792.12 | \$2,037.64 | \$0.00 | \$4,754.48 | Variable |
| | 0 Radio Equipment | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| | 0 Inventory Adjustment | \$16,184.95 | \$0.00 | \$0.00 | \$16,184.95 | Variable |
| 629900 | 0 Miscellaneous Other Supplies | \$888.78 | \$133.32 | \$177.76 | \$577.71 | Variable |

6208 - Utilities Metro WWTP Division: WWTP O&M

| | | | FROM PUMP STATION TAB | FROM COMPLIANCE- IPP TAB | | |
|------------|-------------------------------|--------------------------|--------------------------|--------------------------------|----------------|----------|
| Object | Description | Actual Expenses | Reduction for | Reduction for | Remaining | Contract |
| | | FY13-14 | Pump Stations | Compliance | Expenses | Category |
| 631100 Po: | stage And Delivery | \$942.57 | \$0.00 | \$785.48 | \$157.10 | Variable |
| 631200 Em | ployee Training & Prof Dev. | \$18,689.19 | \$2,920.19 | \$2,044.13 | \$13,724.87 | Variable |
| 631300 Tra | ivel - Meals & Incidentals | \$1,877.00 | \$291.46 | \$757.80 | \$827.75 | Variable |
| 631310 Tra | ivel - Lodging | \$7,886.30 | \$1,952.05 | \$2,381.51 | \$3,552.74 | Variable |
| 631320 Tra | vel - Transportation | \$558.80 | \$0.00 | \$0.00 | \$558.80 | Variable |
| 631400 Me | embership And Dues | \$24,695.43 | \$3,292.72 | \$3,292.72 | \$18,109.98 | Variable |
| 631600 Tra | Insportation Allowance | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| 631700 Ve | hicle Repair/Service Supply | \$ 9 5,792.84 | \$35,922.32 | \$8,381.87 | \$51,488.65 | Variable |
| 631800 Eq | uipmt Repair/Service Supply | \$218,871.65 | \$61,252.85 | \$1,560.58 | \$156,058.22 | Variable |
| 632000 Ele | ctricity And Gas | \$2,523,419.55 | \$1,261,709.78 | \$0.00 | \$1,261,709.78 | Variable |
| 632100 Tel | lephone & Voice Mail | \$83.69 | \$0.00 | \$0.00 | \$83.69 | Variable |
| 632110 Ce | ll Phones | \$11,033.24 | \$2,226.71 | \$2,623.91 | \$6,182.63 | Variable |
| 632120 Wi | ring Charges | \$3,841.53 | \$0.00 | \$0.00 | \$3,841.53 | Variable |
| 632300 He | ating Fuel | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| 632400 Sol | lid Waste Assessment | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| 636100 Ad | vertising | \$28,442.99 | \$0.00 | \$27,652. 9 1 | \$790.08 | Variable |
| 636400 Eq | uipent Lease / Rental | \$6,736.40 | \$1,886.19 | \$0.00 | \$4,850.21 | Variable |
| 636400 Otl | her Lease/ Rental | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| 636600 Pro | ofessional Services | \$264,810.85 | \$16,024.86 | \$0.00 | \$248,785.99 | Variable |
| 636900 Me | edical Services | \$81.55 | \$0.00 | \$0.00 | \$81.55 | Variable |
| 638100 Bui | ilding Maintenance & Repair | \$17,968.35 | \$3,992.97 | \$0.00 | \$13,975.38 | Variable |
| 638200 Ma | aintenance & Service Contract | \$126,692.51 | \$41,402.78 | \$2,484.17 | \$82,805.56 | Variable |
| 638300 Spe | ecial Contracts | \$1,257,936.63 | \$0.00 | \$28,682.59 | \$1,229,254.04 | Variable |
| 638305 Sp | c Contracts - W/S, SW | \$642,868.40 | \$78,397.17 | \$669.55 | \$563,801.68 | Variable |
| 638500 Spe | ecial Projects | \$629,587.90 | \$118,047.73 | \$0.00 | \$511,540.17 | Variable |
| 639200 Ra | dio Service / Central Stores | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| 639900 Mi | scellaneous Other Services | \$11,721.24 | \$1,953.54 | \$651.18 | \$9,116.52 | Variable |
| 644950 GA | SB 45 Health | \$92,992.12 | \$11,309.85 | \$8,796.55 | \$72,885.72 | Fixed |
| 658000 Caj | pital Outlay/Contingency | (\$417,402.10) | \$0.00 | \$0.00 | -\$417,402.10 | Variable |
| 658300 Ma | achinery & Equipment -Capital | \$13,250.00 | \$0.00 | \$0.00 | \$13,250.00 | Variable |
| 658500 Au | to,Trucks,Hvy Equip-Capital | \$404,152.10 | \$381,275.57 | \$0.00 | \$22,876.53 | Variable |
| 672700 Re | pair Parts | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Variable |
| | | 25. 2005.000 | | | a | |

Division Total

\$11,980,815.98 \$**2,629,315.30** This Cell is Copied To Invoice

\$502,395.81 \$8,849,104.87 This Cell is Copied To Invoice

Total Ratio:

74%

Division:

6208 - Utilities Metro WWTP

Art II Sec 7 West Columbia Pump Station O&M Total Number of Pump Stations:

5.4.5.1.0.0.0.0

| | | aline in the second | | | | | |
|--------|---------------------------------|--|----------------|---------|----------|-----------------------|-------------|
| Object | Description | Estimated Cost | Estimated Cost | W, Cola | Contract | | |
| | - | Of Pump Stations | Of W. Cola | Budget | Category | | Labor Ratio |
| 610100 | Regular Salaries | \$301,063.46 | \$6,010.33 | 2.0% | Fixed | *74 Budgeted postions | 2% |
| | Overtime Salaries | \$22,075.17 | \$440.70 | 2.0% | Fixed | | |
| 610700 | Part-Time Pay (Outside) | \$0.00 | \$0.00 | 0.0% | Fixed | | |
| | Sick Pay Bonus | \$500.00 | \$9.98 | 2.0% | Fixed | | |
| | City PD - SC Retire/Life Ins | \$34,019.36 | \$679.15 | 2.0% | Fixed | | |
| | City PD - Guardian AD&D | \$100.27 | \$2.00 | 2.0% | Fixed | | |
| 615400 | City PD - F.I.C.A. | \$23,930.63 | \$477.74 | 2.0% | Fixed | | |
| 615500 | City PD - Hosp. Insurance | \$73,111.46 | \$1,459.57 | 2.0% | Fixed | | |
| | City PD - Work/Comp Insurance | \$11,197.01 | \$223.53 | 2.0% | Fixed | | |
| 615700 | City PD - Unemployment Insur. | \$1,135.85 | \$22.68 | 2.0% | Fixed | | |
| 615800 | City Paid Dental Insurance | \$1,800.00 | \$35.93 | 2.0% | Fixed | | |
| 619700 | Yr End Vac/Holiday/Sick Adjust | \$0.00 | \$0.00 | | Fixed | | |
| 621000 | Printing And Office Supplies | \$0.00 | \$0.00 | 0.0% | Variable | | |
| 621010 | Small Office Furniture | \$742.35 | \$13.50 | 2.0% | Variable | | |
| | Periodicals, Books, Other Publ | \$1,232.98 | \$22.42 | 2.0% | Variable | | |
| 621800 | Gasoline And Petroleum Product | \$26,773.12 | \$486.78 | 2.0% | Variable | | |
| 623100 | Small Hand Tools / Other Equip | \$47,868.59 | \$870.34 | 2.0% | Variable | | |
| 623200 | Hardware And Building Material | \$925.57 | \$16.83 | 2.0% | Variable | | |
| 623300 | Painting Supplies | \$0.00 | \$0.00 | | Variable | | |
| 623400 | Cement, Rock & Masonry Material | \$0.00 | \$0.00 | | Variable | | |
| 623500 | Paving And Asphalt Supplies | \$413.45 | \$7.52 | 2.0% | Variable | | |
| 623600 | Electrical And Lighting Supply | \$16,068.51 | \$292.15 | 2.0% | Variable | | |
| 623700 | Radio And Electronic Supplies | \$3,608.37 | \$65.61 | 2.0% | Variable | | |
| 624100 | Uniforms And Clothing | \$4,301.62 | \$78.21 | 2,0% | Variable | | |
| 624200 | Food And Provisions | \$0.00 | \$0.00 | 0.0% | Variable | | |
| 624400 | Cleaning And Sanitation Supply | \$0.00 | \$0.00 | 0.0% | Variable | | |
| 624800 | Chemicals | \$10,233.60 | \$186.07 | 2.0% | Variable | | |
| 624900 | Drugs And Medical Supplies | \$22.00 | \$0.40 | 2.0% | Variable | | |
| 625000 | Laboratory Supplies | - \$0.00 | \$0.00 | 0.0% | Variable | | |
| 625400 | Signs | \$380.45 | \$6.92 | 2.0% | Variable | | |
| 625500 | Iron Casting & Structure Steel | \$0.00 | \$0.00 | | Variable | | |
| 625600 | Meters, Parts, And Supplies | \$528.02 | \$9.60 | 2.0% | Variable | | |
| 625700 | Pipe, Fittings, Hydrants, Etc | \$6,051.84 | \$110.03 | 2.0% | Variable | | |
| 625900 | Safety Clothing And Supplies | \$1,690.16 | \$30.73 | 2.0% | Variable | | |
| 627100 | Special Departmental Supplies | \$9,142.03 | \$166.22 | 2.0% | Variable | | |
| 627200 | Xerox Copy And Supplies | \$0.00 | \$0.00 | 0.0% | Variable | | |
| 627300 | Lawn And Grounds Supplies | \$743.91 | \$13.53 | 2.0% | Variable | | |
| 627500 | Computer Equipment / Hardware | \$3,625.84 | \$65.92 | 2.0% | Variable | | |
| 627510 | Computer License | \$2,037.64 | \$37.05 | 2.0% | Variable | | |
| 627800 | Radio Equipment | \$0.00 | \$0.00 | 0.0% | Variable | | |
| | Inventory Adjustment | \$0.00 | \$0.00 | | Variable | | |
| 629900 | Miscellaneous Other Supplies | \$133.32 | \$2.42 | 2.0% | Variable | | |

Division: 6208 - Utilities Metro WWTP

Total Number of Pump Stations: 55

| Object | Description | Estimated Cost Of Pump Stations | Estimated Cost Of W. Cola | W. Cola Budget | Contract Category | | Labor Ra | *50 |
|------------|------------------------------|------------------------------------|------------------------------|-------------------|--------------------------|---|--|-------|
| 621100 Boc | tage And Delivery | So.00 | \$0.00 | 0.0% | Variable | | Labor Ka | 1,063 |
| | ployee Training & Prof Dev. | \$2,920.19 | \$53.09 | 2.0% | Variable | | | |
| | vel - Meals & Incidentals | \$291,46 | \$5.30 | 2.0% | Variable | | | |
| | vel - Lodging | \$1,952.05 | \$35.49 | 2.0% | Variable | | | |
| | vel - Transportation | \$0.00 | \$0.00 | 0.0% | Variable | | | |
| | mbership And Dues | \$3,292.72 | \$59.87 | 2.0% | Variable | | | |
| | nsportation Allowance | \$5,292.72 | \$0.00 | 2.0% | Variable | | | |
| | ticle Repair/Service Supply | \$35,922.32 | \$653.13 | 2.0% | Variable | | | |
| | | \$61,252.85 | \$055.15 \$1,113.69 | 2.0% | Variable | | | |
| • | ipmt Repair/Service Supply | | \$116,941.63 | 2.0% | Variable | | | |
| | ctricity And Gas | \$1,261,709.78 \$0.00 | \$110,941.05 \$0.00 | | Variable | | | |
| 632100 Tel | ephone & Voice Mail | \$0.00 \$2,226,71 | \$0.00 \$40.49 | 0.0% 2.0% | Variable | | | |
| | | \$2,228,71 \$0.00 | \$0.00 | 2.0% | Variable | | | |
| | ring Charges | \$0.00 \$0.00 | \$0.00 \$0.00 | 0.0% | Variable | | | |
| 632300 Hea | - | \$0.00 | \$0.00 \$0.00 | | Variable | | | |
| | id Waste Assessment | \$0.00 | \$0.00 | 0.0% | Variable | | | |
| 636100 Adv | • | \$0.00 | \$0.00 | 0.0% 2.0% | Variable | | | |
| | uipent Lease / Rental | ••• | | 2.0% | Variable Variable | | | |
| | ner Lease/ Rental | \$0.0D | \$0.00 | 2.0% | Variable Variable | | | |
| | fessional Services | \$16,024.86 | \$291.36 | 2.0% | | | | |
| | dical Services | \$0.00 | \$0.00 | 2.0% | Variable | | | |
| | lding Maintenance & Repair | \$3,992.97 | \$72.60 | 2.0% | Variable | | | |
| | Intenance & Service Contract | \$41,402.78 | \$752.78 | 2.0% | Variable | | | |
| | ecial Contracts | \$0.00 | \$0.00 | 2.0% | Variable | | | |
| | Contracts - W/S, SW * | \$78,397.17 | \$2,828,33 | 100.0% | Variable | | | |
| | ecial Projects | \$118,047.73 | \$2,146.32 | 2.0% | Variable | | | |
| | dio Service / Central Stores | \$0.00 | \$0.00 | 2.0% | Variable | | | |
| | scellaneous Other Services | \$1,953.54 | \$35.52 | 2.0% | Variable | | · ·· | |
| | SB 45 Health | \$11,309.85 | \$205.63 | 2.0% | Fixed | *74 Budgete | ed postions | |
| - | oital Outlay/Contingency | \$0.00 | \$0.00 | | Variable | | | |
| | chinery & Equipment -Capital | \$0.00 | \$0.00 | 2.0% | Variable | | | |
| | to,Trucks,Hvy Equip-Capital | \$381,275.57 | \$6,932.28 | 2.0% | Variable | | | |
| 672700 Rep | pair Parts | \$0.00 | \$0.00 | | Variable | | | |
| sion Total | | \$2,629,315.30 | \$144,045.69 | | \$9,567.2 \$134,478.4 | 1990 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - | This Cell is Copied T This Cell is Copied T | |

* Note: Items associated with pump stations and collection system for \$\$7215, \$\$7235, and \$\$7238 were added to the Pump Station column

Division: 6208 - Utilities Metro WWTP

Art III Sec 2 Industrial Pretreatment Program (IPP)

| Object | Description | Estimated Cost of Compliance | Estimated Cost of IPP | Compliance Budget | Labor Ratio |
|--------|--|---------------------------------|--------------------------|----------------------|--|
| 610100 | Regular Salarian | \$234,160.47 | \$70,699.10 | -+ | *74 Budgeted postions 30% |
| | Regular Salaries Overtime Salaries | \$17,169.58 | \$5,183.94 | 9.5% | 00 |
| | Part-Time Pay (Outside) | \$0.00 | \$0.00 | 0.0% | |
| | <i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | \$0.00 | \$0.00 | 0.0% | |
| | Sick Pay Bonus | \$26,459.50 | \$7,988.81 | 9.5% | |
| | City PD - SC Retire/Life Ins | \$20,439.30 | \$23.55 | 9.5% | |
| | City PD - Guardian AD&D | • | \$5,619.66 | 9.5% | |
| | City PD - F.I.C.A. | \$18,612.72 | | 9.5% | |
| | City PD - Hosp. Insurance | \$56,864.47 | \$17,168.85 | 9.5% | |
| | City PD - Work/Comp Insurance | \$8,708.78 | \$2,629.41 | 9.5% | |
| | City PD - Unemployment Insur. | \$883.44 | \$266.73 | 9.5% | |
| | City Paid Dental Insurance | \$1,400.00 | \$422.70 | | |
| | Yr End Vac/Holiday/Sick Adjust | \$0.00 | \$0.00 | 0.0% | |
| | Printing And Office Supplies | \$5,133.78 | \$1,550.02 | 47.4% | |
| | Small Office Furniture | \$371.18 | \$112.07 | 14.3% | |
| | Periodicais, Books, Other Publ | \$1,643.98 | \$496.36 | 18.0% | The state of the s |
| | Gasoline And Petroleum Product | \$12,091.08 | \$2,669.61 | | *Actual minus billed mileage |
| | Small Hand Tools / Other Equip | \$2,393.43 | \$722.64 | 0.8% | |
| | Hardware And Building Material | \$0.00 | \$0.00 | 0.0% | · |
| | Painting Supplies | \$0.00 | \$0.00 | 0.0% | |
| | Cement, Rock & Masonry Material | \$0.00 | \$0.00 | 0.0% | |
| 623500 | Paving And Asphalt Supplies | \$0.00 | \$0.00 | 0.0% | |
| | Electrical And Lighting Supply | \$0.00 | \$0.00 | 0.0% | |
| 623700 | Radio And Electronic Supplies | \$0.00 | \$0.00 | 0.0% | |
| 624100 | Uniforms And Clothing | \$3,360.64 | \$1,014.66 | 9.1% | |
| 624200 | Food And Provisions | \$0.00 | \$0.00 | 0.0% | |
| | Cleaning And Sanitation Supply | \$0.00 | \$0.00 | 0.0% | |
| 624800 | Chemicals | \$1,023.36 | \$0.00 | 0.1% | |
| 624900 | Drugs And Medical Supplies | \$11.00 | \$3.32 | 9.1% | |
| 625000 | Laboratory Supplies | \$15,388.50 | \$4,646.18 | 16.4% | |
| 625400 | Signs | \$329.73 | \$0.00 | 39.4% | No signs for IPP |
| 625500 | Iron Casting & Structure Steel | \$0.00 | \$0.00 | 0.0% | |
| 625600 | Meters, Parts, And Supplies | \$792.03 | \$0.00 | 33,3% | *Reimbursed by IPP |
| 625700 | Pipe, Fittings, Hydrants, Etc | \$0.00 | \$0.00 | 0.0% | |
| 625900 | Safety Clothing And Supplies | \$951.64 | \$287,32 | 6.9% | |
| 627100 | Special Departmental Supplies | \$0.00 | \$0.00 | 0.0% | |
| 627200 | Xerox Copy And Supplies | \$0.00 | \$0.00 | 0.0% | |
| 627300 | Lawn And Grounds Supplies | \$0.00 | \$0.00 | 0.0% | |
| 627500 | Computer Equipment / Hardware | \$3,625.84 | \$1,094.73 | 25.0% | |
| 627510 | Computer License | \$0.00 | \$0.00 | 0.0% | |
| 627800 | Radio Equipment | \$0.00 | \$0.00 | 0.0% | |
| 629500 | Inventory Adjustment | \$0.00 | \$0.00 | 0.0% | |
| 629900 | Miscellaneous Other Supplies | \$177.76 | \$53.67 | 20.0% | |

Division: 6208 - Utilities Metro WWTP

Art III Sec 2 Industrial Pretreatment Program (IPP)

Exhibit 2

| Object | Description | Estimated Cost | Estimated Cost | Compliance | |
|--------|---------------------------------|----------------|----------------|------------|---------------------------------|
| | | of Compliance | of IPP | Budget | Labor Ratio |
| 631100 | Postage And Delivery | \$785.48 | \$237.16 | 83.3% | |
| 631200 | Employee Training & Prof Dev. | \$2,044.13 | \$617.18 | 10.9% | |
| 631300 | Travel - Meals & Incidentals | \$757.80 | \$228.80 | 40.4% | |
| 631310 | Travel - Lodging | \$2,381.51 | \$719.04 | 30.2% | |
| 631320 | Travel - Transportation | \$0.00 | \$0.00 | 0.0% | |
| 631400 | Membership And Dues | \$3,292.72 | \$994.16 | 13.3% | |
| 631600 | Transportation Allowance | \$0.00 | \$0.00 | 0.0% | |
| 631700 | Vehicle Repair/Service Supply | \$8,381.87 | \$2,530.70 | 8.8% | |
| 631800 | Equipmt Repair/Service Supply | \$1,560.58 | \$471.18 | 0.7% | |
| 632000 | Electricity And Gas | \$0.00 | \$0.00 | 0.0% | |
| 632100 | Telephone & Voice Mail | \$0.00 | \$0.00 | 0.0% | |
| 632110 | Cell Phones | \$2,623.91 | \$792.22 | 23.8% | |
| 632120 | Wiring Charges | \$0.00 | \$0.00 | 0.0% | |
| 632300 | Heating Fuel | \$0.00 | \$0.00 | 0.0% | |
| 632400 | Solid Waste Assessment | \$0.00 | \$0.00 | 0.0% | |
| 636100 | Advertising | \$27,652.91 | \$812.50 | 97.2% | *\$1000-\$187.50 billed via IPP |
| 636400 | Equipent Lease / Rental | \$0.00 | \$0.00 | 0.0% | |
| 636400 | Other Lease/ Rental | \$0.00 | \$0.00 | 0.0% | |
| 636600 | Professional Services | \$0.00 | \$0.00 | 0.0% | |
| 636900 | Medical Services | \$0.00 | \$0.00 | 0.0% | |
| 638100 | Building Maintenance & Repair | \$0.00 | \$0.00 | 0.0% | |
| 638200 | Maintenance & Service Contract | \$2,484.17 | \$0.00 | 2.0% | *Reimbursed by IPP |
| | Special Contracts | \$28,682.59 | \$0.00 | 2.3% | *Reimbursed by IPP |
| 638305 | Spc Contracts - W/S, SW | \$669.55 | \$202.15 | 100.0% | |
| 638500 | Special Projects | \$0.00 | \$0.00 | 0.0% | |
| 639200 | Radio Service / Central Stores | \$0.00 | \$0.00 | 0.0% | |
| 639900 | Miscellaneous Other Services | \$651.18 | \$196.61 | 5.6% | |
| 644950 | GASB 45 Health | \$8,796.55 | \$2,655.91 | 9.5% | *74 Budgeted postions |
| 658000 | Capital Outlay/Contingency | \$0.00 | \$0.00 | 0,0% | |
| 658300 | Machinery & Equipment -Capital | \$0.00 | \$0.00 | 0.0% | |
| 658500 | Auto, Trucks, Hvy Equip-Capital | \$0.00 | \$0.00 | 0.0% | |
| 672700 | Repair Parts | \$0.00 | \$0.00 | 0.0% | |
| 447230 | IPP Permit Fees | \$0.00 | (\$2,400.00) | 0.0% | |
| 447240 | IPP Program Fees | \$0.00 | (\$50,690.40) | 0.0% | |
| 447250 | IPP Fines and Penalties | \$0.00 | \$0.00 | 0.0% | |
| | | | | | |

Division Total

\$502,395.81 3 \$80,020.54 This Cell is Copied To Invoice

Month: Year:

SUMMARY

PFM 05 Saluda River PS West Columbia PS City of West Columbia Flow Volume (Calculated)

City of West Columbia Flow Calculated (1000 gallons) West Columbia PS (1000 gallons)

| | | Monthly | Monthly |] |
|-------------|-------------|---------|-----------------|--------------------------------|
| Monthly | Monthly | Volume | Volume | |
| Volume (MG) | Volume (MG) | (MG) | (MG) | |
| 32,27 | 35.82 | 31.39 | 30.64 |] |
| 89.18 | 88.53 | 104.69 | 116.47 | |
| 211.73 | 211.63 | 225.78 | 234.05 | 883.19 Fourth Quarter |
| 90.28 | 87.28 | 89.70 | 86.95 | 354.21 Fourth Quarter |
| 43% | 41% | 40% | 37% | This Cell is Copied To Invoice |
| 90,277 | 87,279 | 89,701 | 86 ,949 | 354,206 1,062,618.90 |
| 211,730 | 211,630 | 225,781 | 234 ,052 | 883,193 2,649,579.25 |

November December

2014

2014

September

2014

October

2014

Total WWTP Effluent Flows for FY14 (2013-14)

| 49.99 41.15 |
|----------------|
| 41,19 |
| |
| 30.82 |
| 31.02 |
| 31.61 |
| 33.08 |
| 41.03 |
| 37.64 |
| 42.12 |
| 37.09 |
| 33.47 |
| 29.83 |
| 36.57 |
| |

This Cell is Copied To Invoice

Billing Period

| Start DateTime | End DateTime | Billing Period | Bill # |
|----------------|--------------|-----------------------|--------|
| 1/1/2015 | 1/7/2015 | 1 | |
| 1/8/2015 | 1/14/2015 | 1 | |
| 1/15/2015 | 1/21/2015 | 1 | |
| 1/22/2015 | 1/28/2015 | 1 | |
| 1/29/2015 | 2/4/2015 | 1 | |
| 2/5/2015 | 2/11/2015 | 2 | |
| 2/12/2015 | 2/18/2015 | 2 | |
| 2/19/2015 | 2/25/2015 | 2 | |
| 2/26/2015 | 3/4/2015 | 2 | |
| 3/5/2015 | 3/11/2015 | 3 | |
| 3/12/2015 | 3/18/2015 | 3 | |
| 3/19/2015 | 3/25/2015 | 3 | |
| 3/26/2015 | 4/1/2015 | 3 | |
| 4/2/2015 | 4/8/2015 | 4 | |
| 4/9/2015 | 4/15/2015 | 4 | |
| 4/16/2015 | 4/22/2015 | 4 | |
| 4/23/2015 | 4/29/2015 | 4 | |
| 4/30/2015 | 5/6/2015 | 5 | |
| 5/7/2015 | 5/13/2015 | 5 | |
| 5/14/2015 | 5/20/2015 | 5 | |
| 5/21/2015 | 5/27/2015 | 5 | |
| 5/28/2015 | 6/3/2015 | 5 | |
| 6/4/2015 | 6/10/2015 | 6 | |
| 6/11/2015 | 6/17/2015 | 6 | |
| 6/18/2015 | 6/24/2015 | 6 | |
| 6/25/2015 | 7/1/2015 | 6 | |
| 7/2/2015 | 7/8/2015 | 7 | |
| 7/9/2015 | 7/15/2015 | 7 | |
| 7/16/2015 | 7/22/2015 | 7 | |
| 7/23/2015 | 7/29/2015 | 7 | |
| 7/30/2015 | 8/5/2015 | 7 | |
| 8/6/2015 | 8/12/2015 | 8 | |
| 8/13/2015 | 8/19/2015 | 8 | |
| 8/20/2015 | 8/26/2015 | 8 | |
| 8/27/2015 | 9/2/2015 | 8 | |
| 9/3/2015 | 9/9/2015 | 9 | |
| 9/10/2015 | 9/16/2015 | 9 | |
| 9/17/2015 | 9/23/2015 | 9 | |
| 9/24/2015 | 9/30/2015 | 9 | |
| 10/1/2015 | 10/7/2015 | 10 | |
| 10/8/2015 | 10/14/2015 | 10 | |
| 10/15/2015 | 10/21/2015 | 10 | |
| 10/22/2015 | 10/28/2015 | 10 | |
| 10/29/2015 | 11/4/2015 | 10 | - |

| 11/5/2015 | 11/11/2015 | 11 |
|------------|------------|------|
| 11/12/2015 | 11/18/2015 | 11 |
| 11/19/2015 | 11/25/2015 | 11 |
| 11/26/2015 | 12/2/2015 | 11 |
| 12/3/2015 | 12/9/2015 | 12 |
| 12/10/2015 | 12/16/2015 | . 12 |
| 12/17/2015 | 12/23/2015 | 12 |
| 12/24/2015 | 12/30/2015 | 12 |

11

12

FY 13-14

| IPP | Permitted Flow (GPD) | % of Total Flow | Flow Ratio |
|------------------------------------|-------------------------|-----------------|-------------|
| Aramark – | 28,880 | 1.58% | 0.015830035 |
| Northeast landfill – | 40,000 | 2.19% | 0.021925257 |
| Schneider Electric – | 15,000 | 0.82% | 0.008221971 |
| Consolidated Systems – | 15,000 | 0.82% | 0.008221971 |
| Waste Management – | 80,00 0 | 4.39% | 0.043850514 |
| Coveright Surfaces – | 12,000 | 0.66% | 0.006577577 |
| Norfolk Southern – | 10,000 | 0.55% | 0.005481314 |
| FN | 25,000 | 1.37% | 0.013703285 |
| Colonial Life Arena | 50,000 | 2.74% | 0.027406571 |
| Lindau Chemical (process) – | 60,000 | 3 .29 % | 0.032887885 |
| Lindau Chemical (groundwater) – | 50,000 | 2.74% | 0.027406571 |
| Intertape Polymer Group – | 50,000 | 2.74% | 0.027406571 |
| The Rite Dose – | 25,000 | 1.37% | 0.013703285 |
| Technetics – | 6,000 | 0.33% | 0.003288789 |
| Trane – | 275,000 | 15.07% | 0.15073614 |
| Tyson – | 250,000 | 13.70% | 0.137032855 |
| Pepsi – | 400,000 | 21.93% | 0.219252568 |
| House of Raeford – (West Columbia) | 425,000 | 23.30% | 0.232955853 |
| Interstate Container – | 7,500 | 0.41% | 0.004110986 |
| | | | |

Total

1,824,380

| | | | life | | | | | | | | | | | |
|----------------------|-----------------|---------------|------------|---------|----------------|---|--------------------------|----------------------------|---------------------------|----------------------------|--------------------------|-------------------------------------|-----------------------|--|
| | Life Class | | Remaining | | | | | | | Book Value at | | Annual | _ | |
| PC Desc A Land | in Years n/a | Months n/a | in Months | FAID | MWWTP | Description 1200 SIMMON TREE LANE-MWWTP | D5/14/1967 | PurchaseAmi 150,000.00 | AccumulatedDapr | 6/30/2014 150,000.00 | LastDeprDate | Depreciation | Tag No 11000-01-03 | Li104 - |
| imevnet. | n/a 50 | 600 | 84 | | NWWTP | | 07/01/1971 | 477,753,71 | 415,545,70 | 52,108.01 | 05/30/2014 | 9.555.07 | 11000-01409 | L1104 - L0031 - WASTEWATER TREATMENT PLANT (METR |
| Bidg | 50 | 600 | 95 | | MWWTP | METRO W/W AERATION CONTROL TOW | 06/01/1972 | 72,600.00 | 61,831,00 | 10,769.00 | 05/30/2014 | | | LOO31 - WASTEWATER TREATMENT PLANT (METRI LOO31 - WASTEWATER TREATMENT PLANT (METRI |
| Impynit | 50 | 600 | 95 | | MWWTP | CONTRACT F METRO WTP-PHASE ONE | 06/30/1972 | 3,604,650.25 | 3,063,952.70 | \$40,697.55 | 06/30/2014 | | | L1100- |
| Bidg | 50 | 600 | 96 | | | METRO W/W DIGESTER AND HEADHOU | 07/01/1972 | 496,100.00 | 421,685.00 | 74,415.00 | 05/30/2014 | 9,922.00 | | LOOB1 - WASTEWATER TREATMENT PLANT (METRI |
| Bldg | 50 | 600 | 96 | | | | 07/01/1972 | 167,800,00 | 138,380.00 | 24,420.00 | 05/30/2014 | | | LODB1 - WASTEWATER TREATMENT PLANT (METRI |
| Bidg | 50 | 600 | 119 | | | METRO W/W INCINERATOR BLDG | 06/01/1974 | 607,200.00 | 492,844.00 | 114,356.00 | 05/30/2014 | | | LOO31 - WASTEWATER TREATMENT PLANT (METRO |
| E Bldg Bldg | 50 50 | 600 600 | 119 | | MWWTP MWWTP | METRO W/W PLANT DAF FLOTATION METRO W/W INSTRUMENTATION BLDG | 05/01/1974 05/01/1974 | 1,210,000.00 | 982,115.67 118,746.83 | 227,683.83 27,553.17 | 05/30/2014 05/30/2014 | | | LOG31 - WASTEWATER TREATMENT PLANT (METRO |
| Bidg | 50 | 600 | 119 | | | METRO W/W INSTRUMENTATION BLOG | 05/01/1974 | 104,500.00 | 84,819.17 | 19,680.83 | 06/30/2014 | 2,926.00 | | LOOSI - WASTEWATER TREATMENT PLANT (METRO LOOSI - WASTEWATER TREATMENT PLANT (METRO |
| ; Didg | 50 | 600 | 119 | | | | 06/01/1974 | 95,700.00 | 77,676,50 | 18,023.50 | 06/30/2014 | | | LOOSI - WASTEWATER TREATMENT PLANT (METRO |
| lanpvant | 50 | 600 | 120 | | | CONTRACT & DIV 1 & II METRO WT | 07/01/1974 | 3,146,669.40 | 2,548,802.23 | \$97,867.17 | 06/30/2014 | 62,933.39 | | LOOSI - WASTEWATER TREATMENT PLANT (METRO |
| l/npvmt | 50 | 600 | 155 | F002186 | MWWTP | CONTRACT J PHASE II WASTEWATER | 06/30/1977 | 4,853,604_56 | 3,632,114.07 | 1,221,490.49 | 03/30/2014 | 97,972.09 | | LOOBL - WASTEWATER TREATMENT PLANT (METRO |
| Impymt | 25 | 300 | ٥ | | MWWTP | METRO WASTEWATER TREATMENT PLA | 07/01/1983 | 16,951.30 | 18,951.30 | • | 06/30/2008 | - | | LOGS1 - WASTEWATER TREATMENT PLANT (METRO |
| pubnic | 50 | 600 | 228 | | | ADD 20 MGD TO METRO PLANT | 07/01/1989 | 19,966,257.25 | 12,512,187.85 | 7,454,069.39 | 06/30/2014 | | | LOD31 - WASTEWATER TREATMENT PLANT (METRO |
| Impyrat | 50 | 600 | 252 | | | SEWAGE HOLDING FACILITY (PER) | 07/01/1985 | 7,000,00 | 4,106,67 | 2,893,33 | 06/30/2014 | 140.00 | | LODB1 - WASTEWATER TREATMENT PLANT (METRO |
| Impymt | 25 10 | 300 120 | 0 | | | PRVS-W/W TREATMENT PLANT LIGHTING-W/W TREATMENT PLANT | 07/01/1986 | 6,800.00 | 6,800.DD | - | 05/30/2011 | 204.00 | | L0031 - WASTEWATER TREATMENT PLANT (METRO |
| impymt Impymt | 50 | 600 | 276 | | | CONSULTANT FEE-W/W TREATMENT PLANT | 07/01/1966 07/01/1987 | 8,000.00 10.000.00 | \$,000.00 \$,450,00 | 4,550,00 | 06/30/2007 06/30/2014 | 200,00 | | LDD31 - WASTEWATER TREATMENT PLANT (METRO LDD31 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 15 | 180 | D 275 | | | RETURN SLUDGE PUMP-W/W TREATME | 07/01/1987 | 30,447,36 | 30,447.38 | | 06/30/2014 | 200,00 | | LD031 - WASTEWATER TREATMENT PLANT (METRI LD031 - WASTEWATER TREATMENT PLANT (METRI |
| Equip | 15 | 180 | D | , | | PUMP-W/W TREATMENT PLANT | 07/01/1987 | 13,710,32 | 13,710.32 | | 06/30/2007 | | | LODBL - WASTEWATER TREATMENT PLANT (METRI LODBL - WASTEWATER TREATMENT PLANT (METRI |
| Equip | 15 | 180 | o | | | RECINCULATION PUMPS/GRINDERS | 07/01/1987 | 24,165.96 | 24,165,96 | | 06/30/2007 | - | | LOOB1 - WASTEWATER TREATMENT PLANT (METRI |
| Import | 10 | 120 | D | F002242 | MWWTP | INJECTOR LINE-WASTE WATER TREA | 07/01/1988 | 8,500,00 | 8,500,00 | | 06/30/2007 | - | | 10031 - WASTEWATER TREATMENT PLANT (METRI |
| W Impoint | 15 | 180 | ٥ | | | SUBSTATION/SWITCH/GEAR W/W TRE | 07/01/1988 | 278,925.00 | 278,925.00 | - | 05/30/2007 | - | | 10031 - WASTEWATER TREATMENT PLANT (METR |
| W Insport | 15 | 180 | Ð | | | VALVE-ASH POND WW TREATMENT PL | 07/01/1968 | 7,801.29 | 7,801.29 | - | 06/30/2007 | - | | 10031 - WASTEWATER TREATMENT PLANT (METR |
| Impycut | 50 | 600 | 324 | | | REMODELING & ADDITION FOR MAIN | 07/01/1991 | 320,825,50 | 149,183,66 | 171,641.64 | 06/30/2014 | | | 10031 - WASTEWATER TREATMENT PLANT (METR |
| Impyrnt | 50 50 | 600 600 | 324 324 | | | MAINTENANCE BUILDING IMPRYMTS | 07/01/1991 | 18,317.00 | 8,517.41 | 9,799.59 | D5/30/2014 | 366.34 | | LOO31 - WASTEWATER TREATMENT PLANT (METR |
| impyrnt Impyrnt | 50 | 600 600 | 324 | | | MAINTENANCE BUILDING | 07/01/1991 | 13,865.00 | 6,447,29 | 7,417.77 | 06/30/2014 06/30/2014 | 277.30 | | LOO31 - WASTEWATER TREATMENT PLANT (METR |
| impvmt impvmt | 50 | 600 | 346 | | MWWTP | UPGRADE METRO WASTE WATER PLAN METRO SLUDGE SYSTEM | 02/17/1993 05/21/1993 | 254,482.42 20,994.81 | 109,851,59 8,701.81 | 144,630,83 11,693.00 | 06/30/2014 | 5,089.65 407.90 | | L0031 - WASTEWATER TREATMENT PLANT (METR- L0031 - WASTEWATER TREATMENT PLANT (METR- |
| Impyrit | 50 | 600 | 346 | | MWWTP | METRO W PLANT SEWER LINE | 05/24/1993 | 41,488,55 | 17,701.77 | 23,786,78 | 06/30/2014 | 829.77 | | 1101 - |
| Impyont | 25 | 300 | 47 | | MWWIP | RETROFIT METRO WASTEWATER | 06/30/1993 | 100,484.08 | 85,076,50 | 15,407,58 | 06/90/2014 | 4,019.36 | | L1101 - |
| Impyrnt | 50 | 600 | 347 | F002395 | MWWTP | DIKE REPAIR-CONTRACT | 06/30/1993 | 96,691.44 | 36,699.38 | 49,992.06 | 05/30/2014 | 1,753.83 | | LOO31 - WASTEWATER TREATMENT PLANT (METRI |
| Impunt | 50 | 600 | 347 | F002436 | MWWTF | DESIGN UPGRADE METRO WWTP | 06/30/1993 | 18,256,495.51 | 7,728,583.10 | 10,527,912.41 | 05/30/2014 | 365,129.91 | | L0031 - WASTEWATER TREATMENT PLANT (METR |
| Impyrnt | 50 | 600 | 347 | | ₩₩₩TP | METRO DIKE COMPARTMENT | 06/30/1993 | 679,594.45 | 287,694,99 | 391,899,46 | 06/30/2014 | 13,591.89 | | LOO31 - WASTEWATER TREATMENT PLANT (METR |
| impimt : | 50 | 600 | 355 | | | | 03/22/1994 | 3,745,798,05 | 1,529,534.20 | 2,216,263.85 | 05/30/2014 | 74,915.96 | | LOOSE - WASTEWATER TREATMENT PLANT (METR |
| Imprant | 50 | 600 | 856 356 | | | 20 MGOPLANT UPGRADE | 03/22/1994 | 71,046.96 | 29,010,85 | 42,036.11 | 06/30/2014 | 1,420.94 | | LOOSE - WASTEWATER TREATMENT PLANT (METR |
| impyrnt Impyrnt | 50 | 60-0 300 | 356 | | MWWTP MWWTP | 26 MGOPLANT UPGRADE LOAD TEST 3 480AC BREAKER LOAD | 03/22/3994 | 2,451,689.48 | 1,001,106.54 | 1,450,582.94 | 06/30/2014 | 49,033.79 | | LOO31 - WASTEWATER TREATMENT PLANT (METRI |
| insport insport | 25 25 | 300 | 55 | | | 3 MOTORS METRO WASTE WATER TRE | 06/22/1994 08/22/1994 | 20,201.02 21,943.60 | 16,295,48 9,554,85 | 3,905.54 2,368.75 | 05/30/2014 05/30/2014 | 506,04 477,74 | | L0031 - WASTEWATER TREATMENT PLANT (METR L0031 - WASTEWATER TREATMENT PLANT (METR |
| ingent | 25 | 300 | 52 | | MWWTP | PRIMARY BASING REFURBISH WASTE | 09/13/1994 | 61,619,12 | 49,295,26 | 12.323.86 | 05/30/2014 | 2,464.76 | | LOOS1 - WASTEWATER TREATMENT PLANT (METRI LOOS1 - WASTEWATER TREATMENT PLANT (METRI |
| Impyrnt | 25 | 300 | 51 | | MWWIP | ASH LAGDON METRO WASTEWATER | 04/04/1995 | 229,681,52 | 169,198,76 | 60,482,86 | 05/30/2014 | 9,187.26 | | L0031 - WASTEWATER TREATMENT PLANT IMETR |
| Impyrit | 25 | 300 | 95 | F002054 | MWWTP | DESIGN UPGRADE WWTP | 07/01/1997 | 6,068,303.88 | 4,156,902.03 | 1,901,401.85 | 06/30/2014 | 242,732.16 | | LOOST - WASTEWATER TREATMENT PLANT (METRI |
| Impyrnt | 25 | 300 | 107 | F002055 | MWWTP | IMPROVEMENTS TO INCENERATORS | 06/30/1998 | 6,850.29 | 4,407.01 | 2,443.28 | 05/30/2014 | 274.01 | | LOG31 - WASTEWATER TREATMENT PLANT (METR |
| Impwint | 2 5 | 300 | 107 | | | MWWTP INCINERATORS | 06/30/1998 | 12,405,629.81 | 7,980,955,16 | 4,424,674,65 | 06/30/2014 | 496,225.19 | | LDO31 - WASTEWATER TREATMENT PLANT (METRI |
| fmp vmt | 25 | 300 | 107 | | | DEWATERING SLUDGE BLDG | 06/30/1998 | 456,607.11 | 299,750.54 | 162,856.57 | 06/30/2014 | 18,264.28 | | LD031 - WASTEWATER TREATMENT PLANT (METR |
| Impyrnt | 25 | 300 | 131 | | MWWTP | MASTER PLAN STUDY MWWTP | 05/02/2000 | 274,723,85 | 155,676,82 | 119,047,03 | 06/3D/2014 | 10,988,95 | | L0031 - WASTEWATER TREATMENT PLANT (METR |
| impyrnt Inspyrnt | 25 | 300 300 | 131 132 | | | SPARE PARTS FOR SEWERS @ METRO | 05/30/2000 07/01/2000 | 13,482.00 | 7,594.66 | 5,887,14 | 06/30/2014 | 539,28 | | LOOB1 - WASTEWAYER TREATMENT PLANT (METR |
| im pyrmt Im pyrmt | 25 25 | 300 300 | 132 132 | | | INSTUFORM REHAB OF SS&SD 4 ROTORK ACUTATATORS WWTP | 07/01/2000 07/01/2000 | 83,442.45 15,225.77 | 47,005.98 8,577.16 | 36,436.52 5,648.59 | 06/30/2014 05/30/2014 | 3,337.70 609.03 | | L0031 - WASTEWATER TREATMENT PLANT (METR- L0031 - WASTEWATER TREATMENT PLANT (METR- |
| in pyrat In pyrat | 25 | 300 | 143 | | | MWWTP GEOTECH REVIEW OF DIKE | 06/90/2001 | 9,263.92 | 4,848,14 | 4,415.78 | 06/30/2014 | 370.55 | | LD031 - WASTEWATER TREATMENT PLANT (METRI LD031 - WASTEWATER TREATMENT PLANT (METRI |
| fmpvmt | 50 | 600 | 457 | | | SCREW PUMP REPL/REHAB | 08/13/2002 | 118,438.58 | 28,227.86 | 90,210.62 | 06/30/2014 | 2,368,77 | | LOOS1 - WASTEWATER TREATMENT PLANT (METR |
| Interior | 50 | 600 | 480 | F004128 | | MWWTP/AUTOMATIC PUMP STATION | 05/30/2004 | 33,528,22 | 6,705.61 | 26,822.61 | 06/50/2014 | 670.56 | | LOOST - WASTEWATER TREATMENT PLANT (METR |
| Impyrnt | 25 | 300 | 192 | | | | 07/01/2005 | 77,125.91 | 27,765.35 | 49,360.56 | 06/30/2014 | 3,085.04 | | LDDB1 - WASTEWATER TREATMENT PLANT (METR |
| Import | 25 | 300 | 192 | | | MWWTP CAPITALIZED MAJOR MAINT | 07/01/2005 | 126,203,21 | 45,433.17 | 80,770.04 | 06/30/2014 | 5,048.13 | | LODG1 - WASTEWATER TREATMENT PLANT (METR |
| Import | 50 | 600 | 492 | | | METRO WWTP DIGESTER RENOVATION | 07/01/2005 | 5,851,768.64 | 1,059,318.84 | 4,798,450.30 | 06/30/2014 | 117,035.37 | | 10091 - WASTEWATER TREATMENT PLANT (METR |
| Impleme | 50 | 600 | 492 | | | METRO WWTP CLARIFIER UPGRADE | 67/01/2005 | 361,009.23 | 64,981.63 | 296,027.60 | 06/30/2014 | 7,220.18 | | LOOB1 - WASTEWATER TREATMENT PLANT (METR |
| fmpvret Dide | 50 | 600 | 492 | | MWWTP | DESIGN IMPROVMT OLD DAF @METRO | 07/01/2005 | 742,733.95 | 133,692.12 | 609,041.83 | 05/30/2014 | 14,854.68 | | LOOSI - WASTEWATER TREATMENT PLANT (METR |
| Bidg Bide | 50 50 | 600 600 | 504 504 | | MWWTP MWWTP | METRO WATER PLANT-MAINT BLDG METRO WATER PLANT-GUARD HOUSE | 05/30/2006 06/30/2006 | 703,929.00 189,571.00 | 112,628.64 | 591,300.36 159,239,64 | 06/30/2014 06/30/2014 | 14,078.58 | | 10031 - WASTEWATER TREATMENT PLANT (METRI |
| Equip | 15 | 180 | 504 84 | FD05045 | | MWWTP-SLUDGE THICKENERS | 06/30/2006 | 189,571.00 5,632,851.52 | 50,331,36 3,110,854.16 | 159,239.54 2,721,997.35 | 06/30/2014 | 3,7 9 1.42 388,856,77 | | 10091 - WASTEWATER TREATMENT PLANT (METRI 10091 - WASTEWATER TREATMENT PLANT (METRI |
| V Empyret | 25 | 180 | 84 | | | MWWTP-OLD DAF RENOVATIONS | 07/01/2006 | 23,405.65 | 12,483,68 | 10.923.18 | 06/30/2014 | 1,560.46 | | 10031 - WASTEWATER TREATMENT PLANT (METRI 10031 - WASTEWATER TREATMENT PLANT (METRI |
| V Import | 15 | 180 | 84 | F005159 | | REPLACE INCINERATORNI&2-METRO | 07/03/2005 | 97,801.14 | 52,150,64 | 45.640.50 | 06/30/2014 | 6,520.08 | | LOOS1 - WASTEWATER TREATMENT PLANT (METRI LOOS1 - WASTEWATER TREATMENT PLANT (METRI |
| N Impensi | 15 | 180 | 84 | F005162 | | METRO DAF WATER PUMP TRAIN (I | 07/01/2006 | 70,483.75 | 37,591.36 | 32,892.40 | 05/30/2014 | 4,698,92 | | LOOS1 - WASTEWATER TREATMENT PLANT (METRI |
| Fimpynet | 50 | 600 | 513 | F005154 | MWWTP | MWW1P EFFLUENT DIFFUSER & PUMP | 03/23/2007 | 9,458,082.99 | 1,371,422,03 | 8,085,560,95 | 05/30/2014 | 189,161,66 | | LOUB1 - WASTEWATER TREATMENT PLANT (METRO |
| F impvæt | 50 | 600 | 523 | | MWWTP | MWWTP, RAW WATER PUMP STA | 01/25/2008 | 1,122,543.44 | 141,059,75 | 978,483,69 | 06/30/2014 | 22,450,87 | | LOG31 - WASTEWATER TREATMENT PLANT (METRO |
| F Impynit | 50 | 600 | 528 | F0D6084 | MAXWIP | MWWYF- SCADA ELEC, IMPRVMT | 06/30/2008 | 10,090,605.75 | 1,210,872.72 | 8,879,733.08 | 06/30/2014 | 201,812.12 | | LOO32 - WASTEWATER TREATMENT PLANT (METRO |

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| impvnit | 50 | 600 | 531 | FD06379 | MWW/TP | MWW TP ADMIN RENOVATION | 09/16/2008 | 4,623,671.78 | 531,722.28 | | 06/30/2014 | 92,473.44 | | LOOS1 - WASTEWATER TREATMENT PLANT (METRO) |
| Equip | 15 | 180 | 115 | | | MWWTP GOULDS TURBINE PUMP | 01/16/2009 | 12,309.22 | 3,979.96 | | 06/38/2014 | 820.61 | | 10031 - WASYEWATER TREATMENT PLANT (METRO) |
| Inspyrat | 25 | 300 | 236 | | MWWTP | | 02/24/2009 | 7,121.93 | 1,519.36 | 5,602,57 | 06/30/2014 | 264,88 284,88 | | 1003.1 - WASTEWATER TREATMENT PLANT (METRO) 1003.1 - WASTEWATER TREATMENT PLANT (METRO) |
| impyrnt | 2,5 | 300 | 235 | | MWWTP | | 02/24/2009 | 7,121,94 | 1,519,36 | 5,602.58 17,938,09 | 06/30/2014 06/30/2014 | 284.88 932.10 | | LOGI - WASTEWATER TREATMENT PLANT (METRO) |
| impyrist | 25 | 300 | 236 | | MWWTP | | 03/05/2009 03/27/2009 | 22,802,62 30,656.00 | 4,864.53 6,437.76 | 24,218,24 | 06/30/2014 | 1,226,24 | | 10031 - WASTEWATER TREATMENT PLANT (METRO) |
| loopvoot Impvoot | 25 | 300 | 237 | | | MWWTP SS JANGER/SLUDGE SYTEM MWWTP SCOTT DOMINATOR CRUSHER | 03/27/2009 | 13,703,57 | 2,832.31 | 10.871.56 | 06/30/2014 | 548.15 | | 10031 - WASTEWATER TREATMENT PLANT (METRO) |
| | 25 15 | 300 180 | 298 118 | | | MWW7P YEOMAN IMPELLER PUMP#2 | 05/12/2009 | 15,367.76 | 4,815.24 | 10,552.52 | 06/90/2014 | 1,024.52 | | (J033 - WASTEWATER TREATMENT PLANT (METRO) |
| Equip Equip | 15 | 180 | 119 | | | MWWTP GOULDS TURBINE PUMP | 05/20/2009 | 24,828,41 | 7,696.82 | | 06/30/2014 | 1,655.23 | | (0031 - WASTEWATER TREATMENT PLANT (METRO) |
| inpvat | 25 | 300 | 240 | | MWWTP | | 06/90/2009 | 19,680.00 | 3,935.00 | | 06/30/2014 | 787,20 | | 10051 - WASTEWATER TREATMENT PLANT (METRO) LOD33 - WASTEWATER TREATMENT PLANT (METRO) |
| Impyrint | 25 | 300 | 240 | | | MWWTF FAULT BREAKER | 06/30/2009 | 15,232,00 | 3,045.40 | 12,185,60 109,75 | 06/30/2014 06/30/2014 | 609,28 1,317,12 | | LOD31 - WASTEWATER TREATMENT PLANT (METRO) LOD31 - WASTEWATER TREATMENT PLANT (METRO) |
| Equip | 5 | 60 | 1 | | | MWWTP SAMPUNG STATION | 07/21/2009 | 6,585,59 1,241.09 | 5,475.84 | 109.75 | 06/50/2014 | 1,317.12 | | L1104- |
| Lend | n/a | n/a | n/a | | MWWTP | | 09/11/2009 09/21/2009 | 1,241.09 | - | 1,241.09 | | - | | 11104- |
| Land | n/a | n/a 300 | n/a 245 | | MWWTP | | 12/23/2009 | 378,158,64 | 68,066.57 | 310,090.07 | 06/30/2014 | 15,126.35 | | 11101+ |
| Impyret Land | 25 n/a | 500 n/a | 240 11/a | | | 1200 SIMMON TREE LANE @CMWTP | 01/19/2010 | | - | 100,500,00 | | · • | 11000-01-02 | i1104- |
| Equip | 5 | 60 | 8 | | | MWWTP-MUFFIN MONSTER/GRINDER | 03/01/2010 | 6,925.40 | 6,002.88 | 923,52 | 06/30/2014 | 1,385.28 | | 10031 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 60 | 9 | | | SUBMERSIBLE PUMPING EQUIPMENT | 03/23/2010 | | 7,457.90 | | 06/30/2014 | 1,754,80 | | 10031 - WASTEWATER TREATMENT PLANT (METRO) |
| Equip | 5 | 60 | 11 | | | MWWTP-MUFFIN MONSTER/GRINDER | 05/17/2010 | | 6,499.03 | | 05/30/2014 | 1,591.60 | | 10031 - WASTEWATER TREATMENT PLANT (METRO) 10031 - WASTEWATER TREATMENT PLANT (METRO) |
| Equip | 5 | 60 | 11 | | MWWTP | | 05/20/2010 08/26/2010 | 7,954.86 12,648,13 | 6,496.46 9,696.91 | | 06/30/2014 06/30/2014 | 1,590.97 2,529.63 | | 10032 - WASTEWATER TREATMENT PLANT (METRO 10032 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 50 | 14 | | MWWTP | MWWTP AIR COMPRESSOR MWWTP AIR COMPRESSOR | 08/26/2010 08/26/2010 | 12,648,13 | 9,696,91 | 2,951,22 | D5/30/2014 | 2,529.63 | | LOOSI - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 60 60 | 14 24 | | MWWTP | | OB/26/2010 | 12,648,13 | 9,696.91 | 2,951.22 | 05/30/2014 | 2,529.53 | | 10031 - WAS16WATER TREATMENT PLANT (METRO |
| Equip Equip | 5 | 50 50 | 18 | | MWWTP | | 12/27/2010 | 66,599,60 | 46,619,72 | 19,979.88 | 06/30/2014 | 13,319,92 | | L0081 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 50 | 18 | | NWWTP | | 17/27/2010 | 66,599.60 | 46,619.72 | 19,979,88 | 05/30/2014 | 13,319.92 | | 10033 - WASTEWATER TREATMENT PLANT (METRO |
| Equip Equip | 5 | 60 | 16 | | MWWTP | | 12/27/2510 | 66,599,60 | 46,619.72 | 19,979.88 | 06/30/2014 | 13,319.92 | | L0031 - WASTEWATER TREATMENT PLANT (METRO 10031 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 5 0 | 39 | | | VOGELSANG ROTARY PUMP/MWWTP | 02/03/2011 | 18,167.53 | 12,414.49 | 5,753.04 17,778,58 | 06/30/2014 06/30/2014 | 3,633,51 11,228,58 | | LUD31 - WASTEWATER TREATMENT PLANT (METRO LUD31 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 60 | 19 | | | MWWTP SHAFT/IMPELLER | 02/10/2011 02/14/2011 | 56,142.90 3,485,467,61 | 38,364.32 | 3,485,467.61 | 00/30/2014 | 11,740,30 | 11000-01-02 | L1104 - |
| Land | o/a | n/a | n∕a | | | 1200 SIMMONTREE & WHITEHOUSE R MWWITP BLOWER EXHAUSTER | 03/14/2011 | 54,287.87 | 36,191.90 | | 06/30/2014 | 10,857.57 | | 10031 - WASTEWATER TREATMENT PLANT (METRO |
| Equip Equip | 5 | 60 60 | 20 20 | | MWWTP | | 03/14/2011 | 52,158,94 | 34,772.63 | 17,386.31 | 06/30/2014 | 10,431,79 | | LOOST - WASTEWATER TREATMENT PLANT (METRO |
| Equip Equip | 5 | 60 | 29 | | | DEWATERING CONTAINER 20YD | 12/12/2011 | 15,354,50 | 7,993,16 | | 05/30/2014 | 3,070.90 | | LODB1 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 50 | 80 | F007017 | MWWTP | MWWTP DEWATERING CONTAINER | 12/19/2011 | 15,354,50 | 7,677.25 | | 06/30/2014 | 3,070.90 | | LDOBI - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 60 | 30 | F007018 | MWWTP | MWWTP DEWATERING CONTAINER | 12/29/2011 | 15,354,50 | 7,677.25 | 7,677.25 | 06/30/2014 | 3,070.90 7,954,25 | 22654 | L0091 - WASTEWATER TREATMENT PLANT (METRO L0091 - WASTEWATER TREATMENT PLANT (METRO |
| Есциір | 5 | 60 | 31 | | MWWTP | | 01/17/2012 | 39,771.25 | 19,222.77 | 20,548.48 | 06/30/2014 05/30/2014 | 4,724,36 | | L0031 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 60 | 33 | | MWWTP | CHEMICAL INDUCTION UNIT MWW TP RAW WATER PUMP STATION | 03/19/2012 06/30/2012 | 21,121,80 1,111,531.96 | 9,504.81 \$8,922,55 | | 06/90/2014 | 44,461.28 | | LODEL - WASTEWATER TREATMENT PLANT (METRO |
| [mpym) | 25 | 300 | 276 276 | | | MWWTP PROCESS IMPROVEMENTS | 06/30/2012 | | 89,723.42 | | 06/30/2014 | 44,861.71 | | L0091 - WASTEWATER TREATMENT PLANT [METRO |
| impymit Impymit | 25 25 | 300 300 | 276 | | | MWWTP 12" ROAD CONSTRUCTION | 06/30/2012 | 463,832.93 | 37,505.64 | | 05/30/2014 | 18,753.32 | | LOD31 - WASTEWATER TREATMENT PLANT (METRO |
| Bidg | 50 | 600 | 588 | | MWWTP | | 06/30/2013 | 983,136,68 | 19,662.73 | 963,473,95 | 05/30/2014 | | | |
| Impyrat | 25 | 300 | 288 | | MWWTP | | 05/30/2013 | | 44,888.77 | 1,077,930.58 | 06/30/2014 | 44,888.77 | | LODS1 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 60 | 48 | | MWWTP | INGERSOLL AIR COMPRESSOR MWWTP | 06/30/2013 | 16,779.60 | 9,955.92 | | 06/30/2014 06/30/2014 | 3,355.92 3,355.92 | | LODS1 - WASTEWATER TREATMENT PLANT (METRO LODS2 - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 60 | 48 | | MWWTP | | 05/30/2013 05/30/2013 | 16,779.60 411,618.90 | 3,355.92 82,323.66 | 329,294.64 | 05/30/2014 | | | LODST - WASTEWATER TREATMENT PLANT (METRO |
| Equip | 5 | 60 | 48 | | MWWTP | | 06/30/2013 | 419,572.02 | 83,914.40 | | 06/30/2014 | 83,914,40 | | |
| Equip | 5 | 50 60 | 48 43 | | MWWTP | | 05/30/2013 | 419,572.02 | 83,914,40 | | 05/30/2014 | 83,914.40 | | |
| εquip Έσυlp | 5 | 69 | 45 | | MWWTP | | 05/30/2013 | | 40,521,02 | 162,084.09 | 06/30/2014 | 40,521,02 | | |
| Equip | 5 | 60 | 48 | | MWWTP | | 06/30/2013 | 202,505.11 | 40,523.02 | | 06/30/2014 | 40,521.02 | | |
| Equip | 5 | 60 | 48 | | MWW'TP | | 05/80/2013 | 202,605.11 | 40,521.02 | | 06/30/2014 | 40,521.02 | | |
| Equip | 5 | 60 | 48 | | MWWTP | | 05/30/2013 | 202,605,11 202,605,11 | 40,521.02 40,521.02 | | 06/30/2014 06/30/2014 | | | |
| Equip Equip | 5 | 60 | 48 | | MWWTP | | 05/30/2013 05/30/2013 | | 40,521.02 | | 06/30/2014 | | | |
| Equip | 5 | 60 | 48 49 | | | MWWTP AERATOR-55715402 MWWTP AERATOR-SS715402 | 05/30/2013 | 202,605.11 | 40,521.02 | | 05/30/2014 | | | |
| Eguip Eguip | 5 | 60 60 | 48 48 | | | MWW IP AERATOR-SS715402 | 05/30/2013 | 202,605.11 | 40,571.07 | | 05/30/2014 | 40,521,02 | | |
| Equip Equip | 5 | 60 | 48 | | | MWWTP AERATOR-55715402 | 06/30/2013 | 202,605.10 | 40,521.02 | | 06/30/2014 | 40,521.02 | | |
| Equip | 5 | 60 | 48 | | MWWTP | | 05/30/2013 | 202,605,10 | 40,521.02 | | 06/90/2014 | | | |
| Equip | 5 | 60 | 48 | | MWWTP | | D6/30/2013 | | 40,521.02 | | 05/30/2014 | | | |
| i Equip | 5 | 60 | 48 | | MWWTP | | 66/30/2013 | | 40,521.02 40,521.02 | | 06/30/2014 06/30/2014 | 40,521.02 40,521.02 | | |
| Equip | 5 | 613 | 48 | | | MWW7P AERATOR-55715402 | 06/30/2013 | 202,605,10 202,605,10 | 40,521,02 40,571,02 | 162,084,08 | 06/30/2014 | 40,521,02 | | |
| 6 Equip | 5 | 60 | 48 | | | MWWIP AERATOR-SS715402 A/C UNIT-MWWIP MAINTENANCE BLD | 05/30/2013 02/05/2014 | 13,250,00 | 1,104.17 | | 06/30/2014 | 1,104.17 | | LODS1 - WASTEWATER TREATMENT PLANT (METRO |
| i Equip | 5 | 6D 60 | 35 57 | | MWWTP | | 04/07/2014 | 16,516.05 | \$25.80 | | 06/30/2014 | 625,60 | | LODG1 - WASTEWATER TREATMENT PLANT (METRO |
| Equip Equip | 5 | 60 | 58 | | | KUBOTA UTILITY VEHICLE-MWWTP | D5/05/2014 | 16,516,05 | 550.54 | 15,965,51 | 05/30/2014 | 550.54 | 23649 | LODB1 - WASTEWATER TREATMENT PLANT (METRO |
| | | | | | | FIBER OFFIC LINE TO MWWTP | 06/30/2014 | 45,610.20 | | 45,610,20 | | | | |

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| | M(C129:C. | | | | | | | | | | | | | |
| | | | | | Total | | 188,465,794,89 | 58,435,781.50 | 130,030,013.39 | 5,206,314.00 | 5,299,831,75 | | | |
| | | | | | From 07012038 thru 06302014 | | 72,339,127,48 | 2,123,422.18 | 70,215,705.30 | | 2,307,679.34 | | | |

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| No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8/1/2013</td> <td>2.140.000</td> <td>1.000%</td> <td></td> <td></td> <td>2,575,017</td> <td>2/1/2014</td> <td>_</td> <td></td> <td>1354.968</td> <td>1.354,933</td> <td>2,709,675</td> <td></td> <td>3 658,000</td> <td></td> <td>549.62</td> <td>1,114,825</td> <td>4,674.6</td> | | | | | | | 8/1/2013 | 2.140.000 | 1.000% | | | 2,575,017 | 2/1/2014 | _ | | 1354.968 | 1.354,933 | 2,709,675 | | 3 658,000 | | 549.62 | 1,114,825 | 4,674.6 |
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| District Distrit Distrit Distrit Di | | | | | | | 8/1/2010 | | 1.05 | 1,786,200 | 3011,200 | | 2/1/2016 | | | 1.551.520 | 1,354,955 | 2,708,978 | 2/1/20.5 | 3,845,000 | • | 414,625 | 4,7:4,625 | 4,674.2 |
| Marked Biology Marked | | | | | | | | 1.305.000 | 4.000% | 1,761,100 | 3,065,109 | | 2/1/2017 | | | 1.354,999 | 1,354,668 | 2,701,276 | 2/1/2017 | 4,040,000 | | 31B.500 | 4.353,500 | 4,6773 |
| min min <thmin< th=""> <thmin< th=""></thmin<></thmin<> | | | | | | | \$11/2017 | | | 1,735,000 | 1,735,000 | ۰.» | | | | 1,354,666 | 1,354,988 | 2,703,976 | 2/1/2018 | 4,245,000 | 144 | 217,609 | 4,402,500 | 4,690.0 |
| 198 198 10400 104 | | | | | | | M1/2018 | 11 | | 1,701,000 | 1,701,000 | | 8/1/2018 | | | 1,254,968 | 1.201,965 | 2,703,975 | 2/1/2019 | 4,485,009 | | | 111,276 | 4,672,3 |
| Markel Markel< | | | | | | ****** | \$/1/2018 | | | 1,665,275 | 1,665,375 | | | t . | •• | 1,554,668 | 1.354,988 | 7,214,576 | 2/1/2020 | | | | | |
| and baseling bit baseling | | | | | | | 5/1/2020 | | | 1.625.000 | 1.628.000 | | 0/1/2020 | 4.838.000 | - 10 | 1,257,400 | 6,137,400 | 7.484.800 | 2/1/2021 | | | | | |
| Res Lake 20 Lake 20 <thlak 20<="" th=""> <thlake 20<="" th=""> <thlake 2<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0/1/2021</td><td></td><td></td><td>1,565,720</td><td>1,580,765</td><td></td><td>8/1/2021</td><td></td><td></td><td>1,158,475</td><td>1,156,475</td><td></td><td>B/1/2021 2/1/2022</td><td></td><td></td><td></td><td></td><td></td></thlake></thlake></thlak> | | | | | | | 0/1/2021 | | | 1,565,720 | 1,580,765 | | 8/1/2021 | | | 1,158,475 | 1,156,475 | | B/1/2021 2/1/2022 | | | | | |
| mm mm< mm< mm< mm< mm< mm< mm< mm mm< | | | | | | | 8/1/2022 | | | 1,647,603 | 1,547,500 | | 6/1/202Z | | | 1.055.275 | 1,065,275 | 5 875 650 | 6/1/2022 7/1/2023 | | | | | |
| min min <td>023 E/S</td> <td>302023</td> <td>11,330,000</td> <td></td> <td></td> <td></td> <td>8/1/2033</td> <td></td> <td></td> <td>1,664,126</td> <td>5,504,125</td> <td></td> <td>8/1/2023</td> <td></td> <td></td> <td>873,375</td> <td>970,375</td> <td></td> <td>8/1/2023</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 023 E/S | 302023 | 11,330,000 | | | | 8/1/2033 | | | 1,664,126 | 5,504,125 | | 8/1/2023 | | | 873,375 | 970,375 | | 8/1/2023 | | | | | |
| Bit Bit <td>604 60</td> <td>33/2024</td> <td>11,330,900</td> <td></td> <td></td> <td></td> <td>3/1/2024</td> <td></td> <td></td> <td>1.450.025</td> <td>1,458,625</td> <td></td> <td>6/1/202</td> <td></td> <td></td> <td>847,000</td> <td>647,000</td> <td></td> <td>B/1/2/12-1</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 604 60 | 33/2024 | 11,330,900 | | | | 3/1/2024 | | | 1.450.025 | 1,458,625 | | 6/1/202 | | | 847,000 | 647,000 | | B/1/2/12-1 | | | | | |
| 668 669 111460 114460 11460 1 | 025 KS | 332025 | 12,400,000 | | | | \$1/2025 | | | 1,410,675 | 1.410.675 | | EU N/2024 | | | 717.000 | 717,503 | | B/1/2025 | | | | | |
| Extra Bitagon Value < | 026 6.0 | 30/2026 | 13,015,000 | 15,454,762 | 855,043 | 29,024,535 | 2/1/2026 8/1/2026 | | | 1,360,753 | 1,360,750 | | 81/2025 | | | 561,600 | 501,500 | | 6/1/20/29 | | | | | |
| 668 60033 4124204 6444 01004 11004 <th1100< th=""> <th11004< th=""> <th1100< td=""><td>027 &C)</td><td>30/2027</td><td>13,550,000</td><td></td><td></td><td></td><td>8/1/2027</td><td></td><td></td><td>1,365,125</td><td>1,208,125</td><td></td><td>8/1/2027</td><td></td><td></td><td>437,375</td><td>437,375</td><td></td><td>8/1/2027</td><td></td><td></td><td></td><td></td><td></td></th1100<></th11004<></th1100<> | 027 &C) | 30/2027 | 13,550,000 | | | | 8/1/2027 | | | 1,365,125 | 1,208,125 | | 8/1/2027 | | | 437,375 | 437,375 | | 8/1/2027 | | | | | |
| Bit | 02 6 6Q | 30/2028 | 1<325,000 | 14,152,516 | 548,149 | 20.073.667 | 2/1/2028 | | | 1,305,125 | 1,252,675 | | 0/1/2028 | | 5.000% | 296,500 | 258,000 | | 8/1/2028 | | | | | |
| bit bit <td>029 6/3</td> <td>30/2029</td> <td>16,390,000</td> <td>13,457,926</td> <td>637,163</td> <td>27,025,029</td> <td>2/1/2029 9/1/2029</td> <td>2.323,000</td> <td>~*</td> <td></td> <td>1.194 875</td> <td>4,826,780</td> <td>Br1/2026</td> <td></td> <td></td> <td>152,875</td> <td>152,875</td> <td></td> <td>81/2029</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 029 6/3 | 30/2029 | 16,390,000 | 13,457,926 | 637,163 | 27,025,029 | 2/1/2029 9/1/2029 | 2.323,000 | ~ * | | 1.194 875 | 4,826,780 | Br1/2026 | | | 152,875 | 152,875 | | 81/2029 | | | | | |
| Bin Binolitii Binoliti <thbinolitii< th=""> <thbinolit< td=""><td>530 673</td><td>0.0021050</td><td>15,770,000</td><td>12,743,828</td><td>629,693</td><td>29,032,419</td><td>2/1/2030</td><td>·* -</td><td></td><td>1,194,670</td><td>3,634,375</td><td></td><td>8/1/2090</td><td>6,115,000</td><td>-1</td><td>152,075</td><td>6,257,875</td><td>6,420,760</td><td>6/1/25-30</td><td></td><td></td><td></td><td></td><td></td></thbinolit<></thbinolitii<> | 530 673 | 0.0021050 | 15,770,000 | 12,743,828 | 629,693 | 29,032,419 | 2/1/2030 | ·* - | | 1,194,670 | 3,634,375 | | 8/1/2090 | 6,115,000 | -1 | 152,075 | 6,257,875 | 6,420,760 | 6/1/25-30 | | | | | |
| Size Condition Transfer Handlood Transfer Handlood Handlood <t< td=""><td>031 63</td><td>30/2/11</td><td>16,055,000</td><td>11,953,364</td><td>505,650</td><td>29,324,195</td><td></td><td></td><td></td><td>1,133,675</td><td>3,693,675</td><td></td><td>8/1/2031</td><td></td><td></td><td></td><td></td><td></td><td>8/1/2021</td><td></td><td></td><td></td><td></td><td></td></t<> | 031 63 | 30/2/11 | 16,055,000 | 11,953,364 | 505,650 | 29,324,195 | | | | 1,133,675 | 3,693,675 | | 8/1/2031 | | | | | | 8/1/2021 | | | | | |
| Diagonalis H 1800,00 H 1800,00 <thh 1800,00<="" th=""> <thh 1800,00<="" th=""> <th< td=""><td>022 60</td><td>302232</td><td>17,720,000</td><td>11,102,604</td><td>460,765</td><td>29,353,459</td><td>2/1/2022</td><td>2,090,000</td><td>A.</td><td>1,053,875</td><td>2,759,275</td><td>4,820,760</td><td>2/1/2032 6/1/2032</td><td></td><td></td><td></td><td></td><td></td><td>6/1/2032</td><td></td><td></td><td></td><td></td><td></td></th<></thh></thh> | 022 60 | 302232 | 17,720,000 | 11,102,604 | 460,765 | 29,353,459 | 2/1/2022 | 2,090,000 | A. | 1,053,875 | 2,759,275 | 4,820,760 | 2/1/2032 6/1/2032 | | | | | | 6/1/2032 | | | | | |
| Name Name <th< td=""><td>63 63</td><td>33/2033</td><td>19,030,000</td><td>10,550,668</td><td>391,622</td><td>20,372.079</td><td></td><td>2,825,010</td><td></td><td></td><td></td><td>4,030,250</td><td>8/5/2033</td><td></td><td></td><td></td><td></td><td></td><td>8/1/2033</td><td></td><td></td><td></td><td></td><td></td></th<> | 63 63 | 33/2033 | 19,030,000 | 10,550,668 | 391,622 | 20,372.079 | | 2,825,010 | | | | 4,030,250 | 8/5/2033 | | | | | | 8/1/2033 | | | | | |
| ADM ADMOND RESERCE RESERCE <threserce< th=""> <threserce< th=""> <threserc< td=""><td>034 6/3</td><td>30/2034</td><td>19,865,900</td><td>9,475,521</td><td>331,540</td><td>28,392.361</td><td>2/1/2034</td><td>2,965,000</td><td>v 2</td><td>952,000</td><td>3,897,000</td><td>4,829,000</td><td>2/1/2034</td><td></td><td></td><td></td><td></td><td></td><td>8/1/2034</td><td></td><td></td><td></td><td></td><td></td></threserc<></threserce<></threserce<> | 034 6/3 | 30/2034 | 19,865,900 | 9,475,521 | 331,540 | 28,392.361 | 2/1/2034 | 2,965,000 | v 2 | 952,000 | 3,897,000 | 4,829,000 | 2/1/2034 | | | | | | 8/1/2034 | | | | | |
| Store 9.002304 2.1455.00 7.961.29 7.971.29 <th7.971< th=""> <th7.971< th=""> <th7.971.< td=""><td>025 6/2</td><td>20/2035</td><td>23,560,000</td><td>8,555,022</td><td>268,625</td><td>23,414,647</td><td>2/1/20135</td><td>3.119.000</td><td>-</td><td>857,878</td><td>1,567,875</td><td>4,825,760</td><td>2/1/2035</td><td></td><td></td><td></td><td></td><td></td><td>2012035</td><td></td><td></td><td></td><td></td><td></td></th7.971.<></th7.971<></th7.971<> | 025 6/2 | 20/2035 | 23,560,000 | 8,555,022 | 268,625 | 23,414,647 | 2/1/20135 | 3.119.000 | - | 857,878 | 1,567,875 | 4,825,760 | 2/1/2035 | | | | | | 2012035 | | | | | |
| Party Party Party <th< td=""><td>030 6/3</td><td>30/2034</td><td>21,825,000</td><td>7,615,409</td><td>202,737</td><td>2/1417.225</td><td>2/1/2036</td><td>3,270,030</td><td>5.030%</td><td>760,125</td><td>4,050,125</td><td>4,630,250</td><td>2/1/2030</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<> | 030 6/3 | 30/2034 | 21,825,000 | 7,615,409 | 202,737 | 2/1417.225 | 2/1/2036 | 3,270,030 | 5.030% | 760,125 | 4,050,125 | 4,630,250 | 2/1/2030 | | | | | | | | | | | |
| COM COM Constraint Constraint <thconstraint< th=""> Constraint</thconstraint<> | 337 6/3 | 30/2037 | 22,735,000 | 5,502,419 | 133,494 | 29,170,813 | 2/1/2007 | 3,450,000 | 5.000% | 698.375 | 4,120,575 | 4,820,750 | 2/1/2037 | | | | | | 2/1/2/37 | | | | | |
| Same 40.00000 24.115.000 4.447.200 27.0000 64.000 4400.000 27.0000 64.000 4400.000 27.0000 64.000 4400.000 27.0000 64.000 4400.000 27.0000 87.0000 27.0000 | 938 6G | 3072558 | 23,905,000 | 5,612,724 | 61.635 | 29,499,359 | 2/1/2008 | 3.600.000 | 6,000% | 612.625 | 4,212,625 | 4,825,250 | 2/1/2038 | | | | | | 2/1/2033 | | | | | |
| Marcal Markan Marca Markan Marcal Markan Marcal Ma | | | | 4 407 500 | | 29,522,530 | 2/1/2038 | 3,705,000 | 5.000% | 572,625 | 4,307,625 | 4,830,250 | 2/5/2039 | | | | | | 2/1/2033 | | | | | |
| Sector 22,00,000 1,82,000 0,02,000 1,82,000 1,000 6,000 20,000 1,000 9,000 </td <td>040 57</td> <td>10000</td> <td></td> <td>3 151,750</td> <td></td> <td>29.516.750</td> <td>21/2040</td> <td>3,970,000</td> <td>5,000%</td> <td>428,000</td> <td>4,388,000</td> <td>4.320.000</td> <td>2/1/2010</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2/23043</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 040 57 | 10000 | | 3 151,750 | | 29.516.750 | 21/2040 | 3,970,000 | 5,000% | 428,000 | 4,388,000 | 4.320.000 | 2/1/2010 | | | | | | 2/23043 | | | | | |
| Arr BLACKIN DALARI DALARI <thdalari< th=""> <thdalari< th=""> <thdalari< td="" th<=""><td></td><td></td><td></td><td></td><td></td><td></td><td>9/1/2040</td><td></td><td></td><td>328,750</td><td>4,408,752</td><td>4,827,660</td><td>2/1/2541</td><td></td><td></td><td></td><td></td><td></td><td>2952045</td><td></td><td></td><td></td><td></td><td></td></thdalari<></thdalari<></thdalari<> | | | | | | | 9/1/2040 | | | 328,750 | 4,408,752 | 4,827,660 | 2/1/2541 | | | | | | 2952045 | | | | | |
| International formation Prince in the | | | | | - | | 8/1/2041 2/1/2042 | 4,580,000 | | 224,500 | 224,500 4,554,600 | 4,829,000 | 2/1/2642 | | | | | | 2/1/2012 | | | | | |
| Res Rescaled Rescaled <threscaled< th=""> Rescaled R</threscaled<> | | | | 414 | - | | V10042 | | | 115,000 | 115.000 | 4,830,000 | 2/1/2043 | | | | | | 2/1/2643 | | | | | |
| Mill Mill Mill Mill Mill Mill Mill Mill Mi | | | 4,0041,030 | , | - | 10000000 | 8/(/2043 | | | | | | 8/1/2048 2/1/2048 | | | | | | 2/1/2014 | | | | | |
| Maximum - </td <td></td> <td></td> <td></td> <td>•</td> <td></td> <td>-</td> <td>8/1/2044</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2/1/2044</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>25/1/20145</td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | • | | - | 8/1/2044 | | | | | | 2/1/2044 | | | | | | 25/1/20145 | | | | | |
| Open Open <th< td=""><td></td><td></td><td>-</td><td>-</td><td>•</td><td>·</td><td>6/1/2045</td><td></td><td></td><td></td><td></td><td></td><td>8/1/2045</td><td></td><td></td><td></td><td></td><td></td><td>6/172045 2/1/2046</td><td></td><td></td><td></td><td></td><td></td></th<> | | | - | - | • | · | 6/1/2045 | | | | | | 8/1/2045 | | | | | | 6/172045 2/1/2046 | | | | | |
| Mark Galogo - | | | - | - | - | - | B/1/2045 | | | | | | 8/10040 | | | | | | 21:12047 | | | | | |
| XMB BARS 06253 - <t< td=""><td></td><td></td><td>•</td><td>-</td><td>-</td><td>•</td><td>8/1/2047</td><td></td><td></td><td></td><td></td><td></td><td>w1/2047</td><td></td><td></td><td></td><td></td><td></td><td>15/2017</td><td></td><td></td><td></td><td></td><td></td></t<> | | | • | - | - | • | 8/1/2047 | | | | | | w1/2047 | | | | | | 15/2017 | | | | | |
| State Control Prices Prices< | | | • | - | • | - | 6/((2048 | | | | | | 8/1/2018 | | | | | | 8/1/20-48 | | | | | |
| BANG BURGOD - | | | - | • | - | • | 2/1/2348 | | | | | | 8/1/2049 | | | | | | £11/2043 | | | | | |
| 247 BURGAN | 950 6/3 | /20/2050 | - | | - | • | 6/1/2058 | | | | | | 8/1/2024 | | | | | | 8/1/2050 | | | | | |
| 2022 6002252 | 96 1 66 | 13622031 | • | - | - | - | 2/1/2251 5/1/2251 | | | | | | 0/1/2051 | | | | | | 5/1/2051 | | | | | |
| 2003 9002093 2//2018 22/2013 22/2013 | 1052 64 | 302252 | - | - | - | • | 2/1/2052 | | | | | | 871/2652 | | | | | | B/1/2052 | | | | | |
| 422,210,000 394,219,134 11,282,201 0,0467 72,165,600 0,0477 68,055,600 0,0477 68,055,600 0,0487 20,280,160 | 1160 BK | 35.2053 | • | - | - | - | 2/1/2363 | | | | | | 2/1/20133 | | | | | | 2014/153 | | | | | |
| 422,210,508 564,21534 11,235,200 0,0665 72,158,600 0,0452 29,220,000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 422,200,500 354,219,354 11,225,220 0.0496 73,168,800 0.0497 0.0596 73,168,800 0.0492 22,201,800 | | | | | | | | | | | | | | | | | | | | | | | | |
| 432,210,501 354,219,534 11,235,250 0.0565 73,165,000 92,049 98,040 99,040 99,040 99,040 99,040 99,040 99,040 99 | | | | | | | | | | | | | | 0.01/2 | 64 655 677 | | | | | 0.0492 | 20,200,000 | | | |
| | | | 432,210,300 | 351,219,354 | 11.325,220 | | | 0.0495 | 73.165,000 | | | | | 8,0467 | 00,000,000 | | | | | | | | | |

0,0484 Weighted Austrage

0.0496 0.0467 0.0452 0.1467 0.1467 0.05172

73,165,039 50,055,039 26,250,039 96,045,030 102,795,000 81,853,039

| | Principal | Bitercated | Causan | Bit realed | [//[erest | | · · · · · · · · · · | | | | | Bilterooted | | | | Dero | Phycipat | gerent | Onal Sorting | 100 | Brot. | TANKED | Tol. Dobi Se |
|---|---------------------|------------|---------|------------|------------------------|------------------------|---------------------|----------------------|------------|-----------|---------|-------------|-------------------------------------|-------------------------------------|------------|------------|------------|------------|--------------|----------------|---------|--------|-----------------|
| 8 | | | | | | | | 8/1/2009 2/1/2010 | | | | | | | | 8002010 | | | | 600 m | | | |
| 5 | | | | | | | | 8/1/2010 5/1/2010 | | | | | 914,920 2,533,525 | 914,920 2 533 625 | 2,446,645 | 6/30/2011 | • | 1,478,176 | 1,475,176 | 500.279 | 78,460 | - | 2.8 |
| | | | | | 691.445 | HPD 445 | 653.445 | 8/1/2011 3/1/2011 | | | | | 2,533,825 | 2,513,676 | | | - | 3.564,184 | 2.564.184 | 682,055 | 102,325 | 12.000 | 4,3 |
| | 1,955,000 | | | | 2,273,558 | 2,273,555 | | 8/1/2012 | | | 3,000% | | 2.533.626 2.533.625 2.533.625 | 2,533,625 2,533,625 3,823,625 | 5,067,260 | 6/30/2012 | • | 3,564, 164 | 3,664,184 | 6112,985 | 102,225 | 12,000 | 4,3 |
| | | | • | | 2,273,538 2,254,008 | 4,228,588 | 6,602,175 | 2/10013 8/1/2013 | | | | | 2,517,276 | 2,517,275 | 6,:67,220 | 6/30/2013 | - | 3,564,164 | 2,554,104 | 450,648 | 102,325 | 12,000 | 4.1 |
| | - <u>5360 (DD</u> - | | 2.000% | | 2,234,038 | 2,234,038 | 6.601.075 | 2/1/2014 8/1/2014 | 1,115,000 | | 3070% | | 2.517,275 | 3,552,275 | 8,149,550 | 630/2014 | | 2,564,184 | 7 0 TEN 194 | | 102,325 | 12,000 | ś1 |
| | 2,540,000 | | 3.000% | | 2,234,028 2,203,438 | 4.274.055 | 0,508,075 | 2/1/2015 8/1/2015 | 1.145,000 | | | | 2,483,375 | 2,483,375 | | 630/2016 | - | 3,664,164 | 3.504,164 | 457,455 | 102,325 | 12,000 | 4.1 |
| | | | 3.000% | | 2,203,438 | 4,393,438 | 6,536.675 | 2/1/2016 | 1,165,000 | | | | 2,483,375 | 3,003,175 | | 6/300016 | • | 0.564,184 | 3.554.164 | 458,100 | 102,225 | 12,000 | 4,1 |
| | | | 3.5075 | | 2,171,538 | 4,325,835 | 6,438,675 | 2/1/2017 | 1,250,000 | | | | 2,453,750 2,472,500 | 3,703,750 | 5,157,600 | 6502017 | - | 3,564,184 | 3.564, 184 | 455,546 | 102,225 | 12,500 | 4,1 |
| | | | 2.000% | | 2.134.225 | 4.360.225 | 6.603,463 | 2/1/2016 | 660,000 | | | | 2,422,500 | 3,727,500 | 5,150,000 | 6302018 | • | 3,564, 184 | 8,584,184 | 457,483 | 102,325 | 12,000 | 4.1 |
| | 2,356,000 | | 3.000% | | 2,150,700 | 4,400,765 | 6,501,400 | 2/1/2019 | 1,350,000 | | | | 2,395,475 | 3,758,476 | 6,152,850 | 6/30/2019 | | 3,554,184 | 3,564,164 | 457,485 | 102,375 | 12,000 | 41 |
| | 1,915,000 | | 4.00006 | | 2056,200 | 3,884,200 | 6,947,400 | 2/1/2020 | 1,046,000 | | 6.000% | | 2,363,278 | 4.014.775 | • | 6/53/2020 | | 3,564,184 | 3,504,184 | 458,100 | 102,320 | 12,900 | 4,1 |
| | | | 4.002% | | 2,029,600 | 3,819,900 | 5.949,900 | 2/1/2/21 | 1,920,000 | | | | 2,325,150 | 1,308,150 | 6,636,300 | 6/38/2021 | - | 3,564,104 | 3.584,164 | 4 56,648 | 102.325 | 12.900 | 41 |
| | 1.985.000 | | | | 1,992,100 | 1,992,100 3,957,100 | 5,549,200 | 8/1/2021 2/1/2022 | 2,150,000 | | | | 2.278,650 | 2.278,650 | 8,707,300 | 623/2022 | 828,000 | 3.654,184 | 4.389,184 | 455,515 | 102,108 | 12,000 | 4,5 |
| | 2,048.000 | | | | 1,952,800 | 3,992,800 | 6.045.600 | 8/5/2022 2/1/2023 | 2,280,000 | | | | 2.224.500 | 2,224,500 4,404,500 | 6,709,800 | 6/30/2023 | 660,006 | 3,541,326 | 4.001.026 | 153,535 | 101,440 | 12,003 | 43 |
| | 2,125,000 | | • | | 1,812,000 | 1,912,000 | 5,249,000 | 8/1/3023 2/1/3224 | 2,380,000 | | | | 2,163,400 | 2,168,400 | 6716,630 | 6/33/2024 | 670,500 | 3,517,373 | 4.707.279 | 451,027 | 100.744 | 12.030 | 4,6 |
| | | | | | 1,489,500 | (,089,500 4,074,500 | 6,944,030 | 8/1/2024 | 450,000 | | | | 2.105.900 | 2,106,900 | 6.722.800 | 6300075 | 600.000 | 3.492.581 | 4.092,601 | 445,650 | 100.019 | 12 300 | 4.5 |
| | | | | | 1.614,375 | 1,814,375 | 6,949,750 | 6/1/2025 2/1/2026 | 2,675,000 | | 4,500% | | 2.051.415 | 2,051,412 | 6,727,025 | 6/30/26/25 | 625 100 | 2,455,437 | 4091437 | 443,765 | 59,258 | 12 063 | 41 |
| | | | | | 1.756.375 | 1,758,575 | 5,947,750 | \$1/2026 2/1/2022 | | | | | 1,992,350 | .,832,250 4,742,350 | 6,734,700 | 6/30/2027 | 665 900 | 1 459 775 | 4 704 225 | 440.347 | 38.490 | 12,000 | 4 |
| | | | | | 1.635.500 | | 5,945,990 | 8/1/2027 2/1/2028 | | | | | 1.028.500 | ,928,600 4,938,600 | 8,757,200 | 6/30/2020 | 1,125,000 | 2,415,318 | 4534,223 | 438.624 | 97.525 | 12,000 | |
| | | 655.000 | 6.000% | 4,00014 | 1,631,825 | 316.025 | 5,948,250 | 2112028 | 2,060,009 | 1,625,600 | 5.000% | | 1,883,600 | 1,633,606 | 5,752,600 | 6/39/2029 | | | 45,0010 | | | | 5) |
| | | | | | 1.559.275 | 1,559,275 | | \$1(2)29 | | 1,625,600 | | •• | . 703.300 | 753,300 | -, | | 1,175.000 | 3,384,335 | | 423,065 | 95,095 | 12,000 | 6,0 |
| | 1,619 200 | 1000,000 | 6 000% | 4.000% | 1,659,278 | 4,379,276 | 6,948,650 | 271/2030 8/1/2030 | 2,170,006 | | 5.900% | | 5,714,060 | 4,953,300 | 6,756,600 | 6/30/2039 | 1,235,000 | 3,313,178 | 4,548,170 | 422,539 | 94,604 | 12,033 | 5.0 |
| | 1,695.030 | 1.045.030 | 6.000% | | 1.634.025 | 4,444,025 1,435,750 | b.949,050 | 27 (303) 8/172031 | 3,385,006 | | 5,000% | | 1,714,050 | 5.008,050 1,839,176 | 6,783,100 | 6/30/2031 | 8,000,000 | 1,259 434 | 11,258,404 | 403,513 | 90.242 | 12,000 | n.; |
| | | | 5.000% | | 1,435,750 | 4,515,7ED 1,358,769 | 6,951,530 | 2/1/2032 2/1/2022 | 3,695,003 | | 5.000% | | 1,830,175 | 5,225,175 | 8,855,250 | 6/90/2032 | 8,855,000 | 2,911,764 | 11.268,684 | 358,672 | 53,094 | 12,000 | 11.7 |
| | | | 5.000% | | 1,355,750 | 1,274,000 | 5,947.500 | 2/1/2033 6/1/2033 | 3,860,002 | | 5.300% | | 1,540,000 | 5,390,300 | 6,830,000 | 6/30/5033 | 8,725,000 | 7,647,308 | 11.372,308 | 310,428 | 69,498 | 12,000 | n.e |
| | • | | 6 DO0% | | 1,278,000 | 4,558,000 | 6.946.000 | 2/102534 | 4,126,000 | | 4.2575 | | 1,366,690 | 5,554,050 | 7,908,100 | 6/30/2034 | 9,110,000 | 2,157,725 | 11277,921 | 201,411 | 50,429 | 12,000 | 11,8 |
| | • | | 5,000% | | 193,250 | 4,703,260 | 6,946,500 | | 4,370,000 | | 5.000% | | 1,356,500 1,247,125 | 5,731,500 | 7,083.000 | 6/30/2035 | 9,515,000 | 1,770,772 | 11,205,772 | 209.752 | 46,873 | 12,000 | 11,5 |
| | 3,740,000 | | 6,000% | | .104,250 | 4,944,250 | 6.948,500 | 2/1/2030 8/1/2035 | • | | 5.000% | | 1.247.425 | 6,027,126 | 7.174,250 | 6/30/2053 | 8,935,000 | 1,355,489 | 11,2241,403 | 100,953 | 34,804 | 12,000 | 154 |
| | 3,925 000 | | 5.000% | | 1,010,750 | 4,935,750 | 5.946.500 | 2/1/2037 | | | 5,00074 | | 1, 130, 125 1, 130, 125 | 1,530,125 | 7,200,250 | 6/30/2037 | 10,383,000 | 823.913 | 11,303,919 | 59 ,394 | 22,200 | 12,000 | 11,4 |
| | 4,122,000 | | 5,0006 | | 912.625 912,625 | 912.625 5,032,625 | E 945.250 | £11/2037 2/1/2032 | 6,345,003 | | 6000% | | 1,005,125 | 1,008,126 | 7,355,250 | 6302033 | 10,840,000 | 471,974 | 11,311,974 | 40,602 | | 17,000 | 1.3 |
| | 4,325.000 | | 6.000% | | 805,626 | 516,625 | 5.944.250 | 8/1/3/28 2/1/2039 | 17.005,005 | | | | 871.500 871.600 | 571,500 17,678,500 | 16,748,000 | 6/30/2029 | | | | | | | |
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| | | | | | - | - | | 2/1/2042 | | | | | | | | 6/30/20/2 | | | | | | | |
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KSAU

Davis, William H

| From: | Zimmerman, Madeline |
|-----------------|---------------------------------|
| Sent: | Friday, March 20, 2015 4:41 PM |
| To: | Davis, William H |
| Subject: | RE: FY13/14 Payments for 638305 |
| Follow Up Flag: | Follow up |
| Flag Status: | Flagged |

See below

From: Davis, William H Sent: Friday, March 20, 2015 3:46 PM To: Zimmerman, Madeline Subject: RE: FY13/14 Payments for 638305

- 🔹 SS7215(14) Hazen & Sawyer (P141508) Need to puil all work orders for review 🛶 💲
- SS7235(14) URS (P139254) Need to pull all work orders for review -> \$ 32, 192.62
- SS7238 MR Systems (P138763) Need to pull all work orders for review 💊 集21,587,22
- SS7238–MR Systems (P144118) for \$15804.40 (for SCADA PC issues for Operators, Hach WIMS tags and interface, SCADA PC problems for Gene, and Influent Pump Station) – 100% WWTP
- Emergency procurement of magnesium hydroxide 100% WWTP
- Five (5) GPS units for Stephen's vehicles This goes into Ratio Calculation for IPP Done
- \$1 Godwin pump trade out with Xylem \$1.08 4 inch portable pumps 100% WWTP
- Hach WIMS FTP Interface 100% WWTP
- Hach WIMS IT services 100% WWTP
- Materials for Michael Sheu for West Columbia Pump Station. This needs to be added to the West Columbia PS Tab - Done
 28,33

Now can we add total fees to each of these?

From: Zimmerman, Madeline Sent: Friday, March 20, 2015 3:38 PM To: Davis, William H Subject: FY13/14 Payments for 638305

Bill,

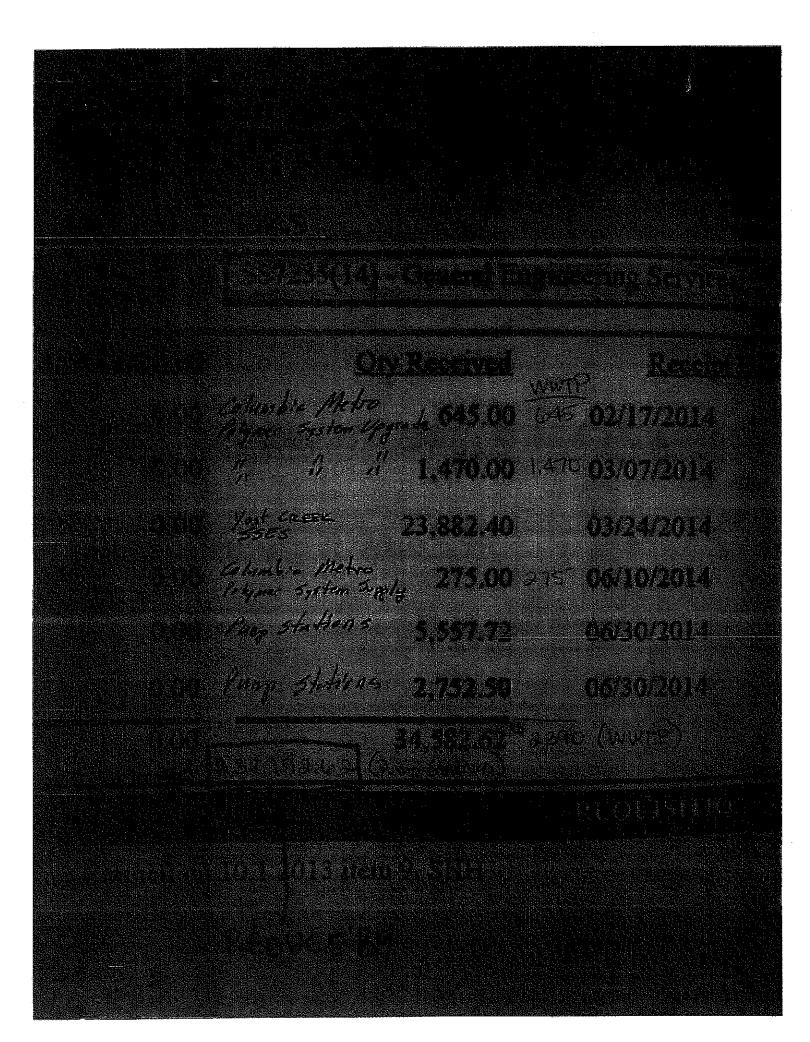
The following project numbers were paid for out of the operating budget:

- \$\$7215(14)
- SS7235(14)
- SS7238

Other projects funded from this account because there was an abundance of funding still available were:

- Emergency procurement of magnesium hydroxide
- Five (5) GPS units for Stephen's vehicles
- \$1 Godwin pump trade out with Xylem
- Hach WIMS FTP Interface

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