SEWER SYSTEM CERTIFICATION REPORT FOR FISCAL YEAR ENDED JUNE 30, 2023 June 2024

FAIRFAX COUNTY WASTEWATER MANAGEMENT



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Executive Summary

In accordance with Fairfax County's Sewer Bond Resolution, Hazen and Sawyer (Hazen) has reviewed the status of the Wastewater Management Program and Integrated Sewer System and prepared the Sewer System Certification Report for the Fiscal Year (FY) ended June 30, 2023. The FY 2023 Sewer System Certification Report satisfies the requirements outlined in Section 713(b) of the Sewer Bond Resolution. This report confirms the system is operated and maintained in a satisfactory manner; and the budget is adequate to meet the operational, maintenance, debt service, and capital funding needs of the Integrated Sewer System for the next fiscal year.

Hazen evaluated the management, funding, operation, and maintenance of the Wastewater Management Program's three divisions: Wastewater Collection Division, Wastewater Treatment Division, and Wastewater Planning and Monitoring Division. This was accomplished primarily by interviewing staff; visiting the Robert P. McMath Building, three collection system pumping stations, and three metering stations; and collecting information about project work at the Noman M. Cole, Jr. Pollution Control Plant (NCPCP). The team also evaluated:

- Operating data from FY 2023
- Capital improvement plans, revenue, and bond information
- The 2023 Revenue Sufficiency and Rate Analysis Report on the five-year financial forecast
- The Annual Disclosure Report on sewer service charges
- The Annual Comprehensive Financial Report (ACFR).

The Wastewater Collection Division (WCD) continues to take a proactive approach towards maintenance and strives for continuous improvement in daily operation. The Pumping Stations Branch, Gravity Sewers Branch, and Projects and Assets Branch work collaboratively within WCD and across the Wastewater Management Program to provide exceptional planning, operation, and maintenance of the collection and conveyance system. Rehabilitation, maintenance, and expansion of the sewer collection system continues to be a focus for WCD.

The Wastewater Treatment Division (WTD) has an exemplary record of producing a high-quality effluent that surpasses regulatory requirements at a low unit cost relative to other advanced wastewater treatment plants in the region. The Engineering Support Branch, Operations Branch, Maintenance Branch, and Information Technology Services Branch work collaboratively within WTD and across the Wastewater Management Program to provide exceptional planning, operation, and maintenance of the NCPCP. WTD is recognized and awarded annually by numerous national, state, and local associations for their quality work. Rehabilitation and replacement of facilities that have reached the end of their useful service life at the plant continues to be a focus for WTD.

The Wastewater Planning and Monitoring Division (WPMD) continues to establish and manage the future requirements for the Wastewater Management Program regarding facility expansion needs. WPMD also analyzes funding levels for necessary equipment and facility replacement programs. The Engineering

Analysis and Planning Branch, Environmental Monitoring Branch, and Fiscal Control and Financial Planning Branch (Financial Monitoring Branch) work collaboratively within WPMD and across the Wastewater Management Program to provide exceptional planning, operation, and maintenance of the Integrated Sewer System. The Wastewater Management Program uses calculated financial indicators to ensure adequacy of its rates from a cash flow, business, and compliance standpoint. WPMD and the County Department of Finance work together annually to create an award-winning ACFR for the Integrated Sewer System. The County has received the Government Finances Officers Association of the United States and Canada (GFOA) certificate for FY 2022. The FY 2023 ACFR was completed during FY 2022 and is currently under review.

The Wastewater Management Program continues to meet its strategic planning goals as they relate to the financial reporting process. The Integrated Sewer System did not issue any new bonds in FY 2023. The AAA Bond Ratings from Fitch, Standard & Poor's (S&P), and Moody's issued in FY 2017 were maintained by the Wastewater Management Program. These high credit ratings have enabled the County to sell bonds, as required, on behalf of the Wastewater Management Program at competitive interest rates. The Financial Monitoring Branch is responsible for issuing and managing debt to fund major capital projects including projects to improve the County's collection system, expansion and upgrade projects at NCPCP, and its portion of enhancement projects at Treatment by Contract facilities.

The Wastewater Management Program actively manages its outstanding debt by refinancing to take advantage of lower interest rates or retiring debt to manage its debt service coverage. The system complies with the Debt Service Coverage Ratio requirement of its bond resolution, and all forecasted coverage ratios for FY 2024 to FY 2029 are considered favorable. The five-year sewer rate plan approved by the County as part of the FY 2024 Adopted Budget Plan proposed to increase the sewer charges by 6.2% in FY 2024. The County's availability fees are consistent with the fundamental principle of "system buy-in" or "growth pays for growth" cost method. Under this method, the availability fee is designed to recover the incremental costs of infrastructure required for new customers to connect to the system.

Through conducting staff interviews, it was evident that the Wastewater Management Program has wellorganized leadership that emphasizes long-term cost-effectiveness, productivity, participation by staff, and collaborative teamwork. Site visits confirmed that facilities were well-maintained and operated properly during FY 2023. Ongoing projects and initiatives highlight the continued focus and commitment of the Wastewater Management Program to operate and maintain the system moving forward.



1. Introduction

Section 713(b) of the Fairfax County Sewer Bond Resolution requires the County to retain an engineer annually to review the status of the Wastewater Management Program and the Integrated Sewer System and prepare a report to include:

- A description of the system and recommendations concerning the proper maintenance, repair, and operation of the system during the following bond year.
- Any necessary changes in services to be provided throughout the system during the following bond year.
- Any additions, improvements, renewals, or replacements that should be made during the following bond year.
- The estimated gross revenues necessary for such purposes.

Figure 1-1 shows the wastewater treatment plant service areas and pump stations in the Integrated Sewer System.



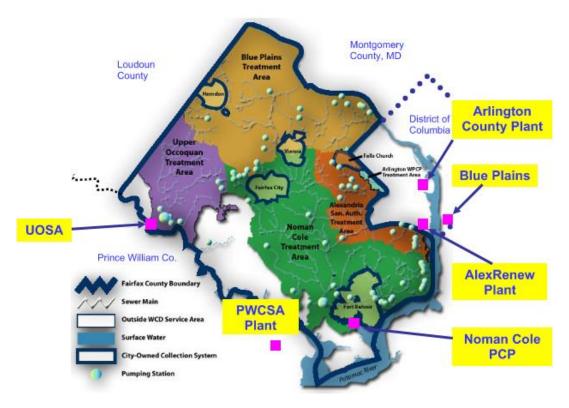


Figure 1-1: Integrated Sewer System, Fairfax County, VA (Annual Disclosure Report)

Hazen and Sawyer (Hazen) was retained to prepare the Sewer System Certification Report and document the status of the Integrated Sewer System during FY 2023, which ended on June 30, 2023. This report satisfies the requirements outlined in Section 713(b) of the Sewer Bond Resolution and ensures the system is operated and maintained in a satisfactory manner and the budget is adequate to meet the operational, maintenance and capital needs of the system for the next fiscal year. To prepare this report, the following tasks were performed:

- Interviewed key Wastewater Management Program personnel including Division Directors, Branch Chiefs, and selected personnel regarding FY 2023 activities and proposed FY 2024 efforts.
- Reviewed operation and maintenance related documents.
- Reviewed the ACFR for FY 2023.
- Reviewed budgetary information, including the FY 2024 adopted Budget, Capital Improvement Plan (FY 2024 FY 2028), financial statements, and a sewer service charge/availability fee study.
- Reviewed the Annual Disclosure Report for FY 2023.



- Reviewed Wastewater Revenue Sufficiency and Rate Analysis Forecast Period Fiscal Year 2024 Through Fiscal Year 2029.
- Visited existing Integrated Sewer System facilities including the Noman M. Cole, Jr. Pollution Control Plant (NCPCP), the Robert P. McMath Facility, and select pumping stations and flow metering stations to assess general conditions and overall performance.

Each section of this report evaluates a different aspect or division within the Wastewater Management Program and Integrated Sewer System as follows:

- Section 2 evaluates the operation, maintenance, management activities and practices associated with the Wastewater Management Program and Integrated Sewer System.
- Section 3 provides a summary of program-wide performance indicators and awards.
- Section 4 examines the funding structure of the system and the FY 2023 budgets of the Wastewater Management Program.
- Section 5 summarizes the FY 2023 Capital Improvement Plan.
- Section 6 summarizes the current and future rates and revenues of the Wastewater Management Program and Integrated Sewer System.



2. Wastewater Management Program Operation, Maintenance and Management

The Wastewater Management Program encompasses wastewater collection, wastewater treatment, environmental monitoring, wastewater capacity planning, and management of financial operations and inter-jurisdictional agreements. The Wastewater Management Program operates under the Department of Public Works and Environmental Services (DPWES). The Wastewater Management Program provides integrated sewer collection and wastewater treatment services for Fairfax County residents and businesses, as well as for other neighboring jurisdictions through sales of service agreements.

2.1 Wastewater Management Organization

Wastewater Management Program functions are carried out by three divisions under the supervision of the Deputy Director of DPWES, as described in this section.

The County follows the High-Performance Organization model using a core team to provide leadership and management for the entire program. The Wastewater Management Leadership Team focuses on long-range planning, strategy, continuous improvement, wastewater capacity issues and financial management.

Three Divisions within DPWES are responsible for the operation, maintenance, and management of the Integrated Sewer System. Figure 2-1 shows the organization of the Wastewater Management Program. Each division is described below.

- Wastewater Collection Division (WCD) is responsible for the operation and maintenance of the sewers, force mains, pumping stations and metering stations; maintaining the asset management program; and overseeing the planning, design, and construction of Capital Improvement Program (CIP) projects for the collection system.
- Wastewater Treatment Division (WTD) is responsible for the operation and maintenance of the NCPCP facilities, maintaining the asset management program, and overseeing the planning, design, and construction of CIP projects for the treatment plant.
- Wastewater Planning and Monitoring Division (WPMD) is responsible for engineering planning and analysis, managing service agreements with nearby jurisdictions, financial management and planning, operation of the laboratory facility, public education, and outreach, as well as administering the Industrial Pretreatment Program for the County.

The work within these Divisions is distributed amongst ten branches, which are responsible for their assigned tasks and report to the Division Managers. As part of the overall integrated program approach, the Financial Monitoring Branch, the Information Technology Services Branch, the Human Resources/Organizational Development/Safety Section, and the Community Outreach and Education Program serve the needs of the overall Wastewater Management Program. Their functions are discussed in the following sections.

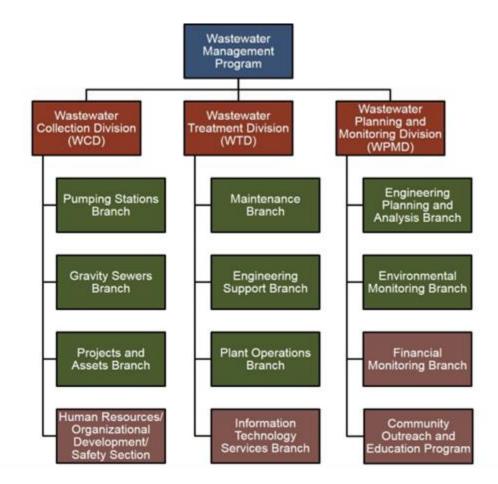


Figure 2-1: Organization of the Integrated Sewer System Wastewater Management Program

2.2 Wastewater Collection Division

2.2.1 Overview of Division

The Wastewater Collection Division (WCD) is responsible for the County's wastewater collection and conveyance system, which consists of the following components:

Wastewater Facilities:

- Approximately 3,300 miles of gravity sewers and force mains.
- 70 wastewater pumping stations.
- Three pump and haul facilities.
- 57 permanent flow metering stations.
- 150 grinder pumps and associated pressure sewer systems.
- Robert P. McMath Facility (Wastewater Maintenance Headquarters).



Other County Facilities:

- Two stormwater pumping facilities.
- One stormwater flood control facility.
- One water reuse pumping station and distribution system.
- Five rain gauge stations.

WCD had 134 permanent staff positions for FY 2023 with no new positions planned for FY 2024. All WCD employees work out of the Robert P. McMath Facility in Burke, Virginia. The organizational structure of WCD includes the Director's Office, Human Resources Section, and three branches: Gravity Sewers, Pumping Stations, and Projects and Assets.

In March of 2024, Hazen met with the Director of WCD along with the Branch Chiefs of the Pumping Stations Branch (PSB), the Gravity Sewers Branch (GSB), and the Projects and Assets Branch (PAB) to discuss the operation of the Division. The discussions focused on WCD's activities in FY 2023 and planned activities for FY 2024 and beyond, as well as the responsibilities and goals of each branch, and the organizational structure, operational and maintenance procedures, and available resources in place to meet those goals. Section 2.2.2 details initiatives and projects representative of their activities for FY 2023 onward.

WCD recognizes the importance of alignment with industry best practices and has invested significant resources into alignment with International Asset Management (IAM) and National Association of Sewer System Companies (NASSCO) trainings, certification and program adherence as part of organization's best management practices. WCD's asset management and planning engineers are required or encouraged to become certified by IAM and NASSCO based on their roles. The training and certifications have afforded WCD's asset management program the ability to modernize at a rapid pace and align with industry best practices.

2.2.2 Wastewater Collection Division Ongoing Initiatives

WCD is responsible for initiatives related to rehabilitation and repair of the existing system, investment in staff and equipment, maintenance tracking, standardization, and monitoring. Descriptions of these efforts are included below.

- WCD identified an opportunity to review its occupational safety program and conducted an overall assessment to identify gaps and improve the division wide safety program. Upon the assessment's completion, a plan was developed to start improvements to the safety program.
- Inflow/Infiltration (I/I) and Flow Monitoring: The WCD in-house I/I and flow monitoring work enables the Wastewater Management Program to be proactive in diagnosing problem areas. The I/I program has continued to focus on locating problem pipes in the system's older sewer service areas, which are then addressed by the comprehensive sewer rehabilitation program. The completion of the echo-level sensor pilot has led to continued use of echo-level sensors at I/I hotspot locations, the development of a flow monitoring plan, and two additional

PAGE 2-3



pilot studies that began in FY 2020. Meters are used for billing, reactive and supporting data collation for various CIP projects.

- Asset Management/Risk Model: A robust wastewater asset management program improves the quality of wastewater service delivery to Fairfax County businesses and residents. The Projects and Assets Branch (PAB) is developing an asset management framework to align with the Institute of Asset Management recommended practices. The PAB continued improving a comprehensive risk model for the linear collection system to better understand risk throughout the system, identify high risk assets, and to identify and prioritize potential CIP projects based on conditions and capacity. In FY 2023, the framework was expanded to include vertical assets prioritization.
- **Pump Station Condition Assessment Initiative:** In FY 2020, the pump station condition assessment and asset inventory program was expanded to include inventory of all the assets in the pump stations. The additional scope also included the creation of digital dashboards to report the condition data and other metrics for WCD staff use. In FY 2023, PAB contracted inspection and condition assessment of 14 pump stations and developed inspection plans for this initiative.
- Computerized Maintenance Management System (CMMS): DPWES began the implementation of a new CMMS to replace the current InforEAM system used by WCD and the Stormwater Management Division. WCD selected a new system in FY 2021. Implementation of the new CMMS is ongoing and will be completed in FY 2024.
- Stream Crossing Initiative: Upon a successful completion of a FY 2020 pilot initiative, PAB initiated a program to field inspect expanded creek crossings starting with the most critical assets. In FY 2023, PAB engaged a contractor to perform field inspections.
- **Manhole Inspection Initiative:** In FY 2023, PAB initiated a manhole inspection program. The program is currently focused on known high I/I areas to prioritize manhole rehabilitation needs.
- Emergency Response Plans Development: In FY 2024, PAB initiated preparation of emergency response plans for critical assets. The plans include site specific information related to containment and mitigation measures in case of failure of a critical asset. The first-year effort is focused on siphons owned and operated by the County.
- Supervisory Control and Data Acquisition (SCADA) Initiatives: The WCD SCADA system is vital to providing remote monitoring and has limited remote control capability of pump operation at 68 remote facilities. Several initiatives have been implemented to ensure dependability and uninterrupted operation for many years to come. Programmable Logic Controllers (PLC) and upgraded Human Machine Interface (HMI) screens have been installed as part of pumping station rehabilitations to provide user friendly graphics, monitoring and operation at the facilities, and remote pump operation, ultimately providing a more reliable

and efficient operating system. This initiative is ongoing, as additional existing pumping stations undergo rehabilitation. New M340 PLC units and touchscreens are installed in every fully rehabilitated station. County personnel have completed the update to existing controls with new processors and touchscreens at approximately 59 pumping stations. The outstanding pumping stations will require assistance from an outside contractor. In FY 2024, the County began work to create a SCADA masterplan to help address the need for contractor assistance at remaining sites.

- Sewer Academy: This is an initiative developed by WTD and WCD to build standardized training programs for a wide array of disciplines (industrial electricians, mechanical crews, operators, etc.). The goal is to improve recruitment, development and retention of talent that understands and becomes invested in the County's system. WCD collaborated with department of human resources (DHR) to agree on creating three new apprenticeship classifications with three trades: Electrical, Mechanical and Instrumentation. In FY 2023, WCD coordinated with DHR to develop apprenticeship position classifications to be utilized for the Sewer Academy.
- Asset Locating and GIS Updates: In FY 2022, PAB developed a program to pilot locating sewer mains in Lincoln-Lewis-Vannoy neighborhood served by a low pressure system. The objective of this initiative was to pilot various locating technologies and update asset inventory in the area. As of FY 2023, this work has been completed.

2.2.3 Pumping Stations Branch

The Pumping Stations Branch (PSB) is composed of three groups: Mechanical, Electrical, and Instrumentation. The preventive and corrective maintenance performed by the PSB is critical to the reliable operation of the facilities. The following sub-sections detail the responsibilities and initiatives of the PSB.

Pumping Stations Operations

The PSB is responsible for the operation and maintenance of the County's pumping stations, low-pressure systems, flow meters, and the Robert P. McMath Facility. Each day, the staff, which includes the Branch Chief, two business operation managers, four supervisors, industrial electricians, instrumentation technicians, mechanical technicians, and engineering technicians work to monitor, repair, and identify future needs associated with keeping these facilities in good working order. The pumping stations' SCADA system provides remote monitoring, alarm management, and limited control capabilities for the pumping stations on a Local Area Network. System design is compatible with the SCADA system at the NCPCP.

The PSB is also responsible for identifying potential pumping station upgrades and rehabilitation. The Branch identifies potential costs for rehabilitation projects and submits them for inclusion in the annual CIP and budget review. The PSB maintains backup power generators, located at pumping stations throughout the County service area, to ensure continuation of wastewater pumping and flow during power outages. The PSB maintains odor control at pumping stations and works with communities to find odor mitigation strategies if residential concerns arise. An example project is the completed odor control study for the

Difficult Run Pumping Station, for which odor control began construction in FY 2023 and be substantially completed in early FY 2025.

Flow Metering

The Instrumentation Group within the PSB, with support from external contractors, maintains the flow metering program. Flow metering responsibilities include monitoring and recording wastewater flows entering and leaving the Fairfax County sewer system for inter-jurisdictional billings, flow confirmation, and detecting I/I in the sewer lines.

The Instrumentation Group operates 57 permanent flow metering stations ranging in size from approximately 0.01 to 30 million gallons per day (MGD). Many of the flow meters belong to other jurisdictions but are maintained and calibrated by the Instrumentation Group and external contractors. All flow metering stations owned by Fairfax County in the Wastewater Management Program are equipped with flow metering systems. The Instrumentation Group is also responsible for five rain gauges throughout the County and uses data from 15 additional rain gauges managed by the Maintenance and Stormwater Management Division. This extensive flow metering and rain gauge network allows the Wastewater Management Program to monitor wastewater flows every 15 minutes via SCADA and evaluate the sewer system's response to wet weather events.

In addition to the permanent flow metering stations and rain gauges, WCD has approximately 25 batteryoperated temporary flow meters, 10 of which are a part of the Route 1 Embark Study. These "portable" meters can be installed in the collection system where needed to enhance I/I identification and reduction efforts. Temporary meters were used in the Tysons Corner and Reston areas in FY 2022. The Instrumentation Group and external contractor maintain and calibrate the meters regularly to ensure they provide accurate and consistent flow data. Areas with major I/I issues are isolated and permanent flow meters are installed to monitor I/I.

Pumping Station Branch Initiatives

The PSB uses weekly safety tailgate meetings covering a variety of topics including finalizing lockout/tag out procedures, issuing personal locks and safety locks, ensuring everyone is equipped with personal protection equipment (PPE) and gas monitors, and training on variable frequency drives (VFDs). The PSB is in the process of providing high visibility arc flash rated work uniforms and arc flash training for staff.

The PSB provided training opportunities for County staff in FY 2023 on the following topics:

- Arc Flash Training (National Fire Protection Association (NFPA) 70E)
- Backflow preventer certification.
- Valve maintenance and repair training.
- E-One grinder system training.
- CPR, first aid, and Automated External Defibrillator (AED) annual training.
- Fire extinguisher annual training.
- Stormwater Pollution Prevention (SWPP) annual training.
- PLC programming and troubleshooting training.
- Cross training within WCD to provide professional and personal growth opportunities.

An internal work order management system using InforEAM was implemented in FY 2021 to improve the quality of the data that is collected in the field and submitted as a work order. The improved quality of the information and ease of work order tracking will aid in the setup of Cityworks. In FY 2023, a new Enterprise Asset Management System was deployed: HxGN EAM. The additional features provided will further improve information quality and work order tracking.

The PSB has continued to develop standard operating procedures for pumping station operations including mechanical, instrumentation and electrical maintenance needs.

The PSB continued maintenance of two stormwater pumping facilities and one stormwater flood control facility in FY 2023: the new Alexandria Tide Gate, the new Alexandria Stormwater Pumping Station, and the Huntington Levee. The PSB also provided support County-wide for pumping and sewage grinding needs at locations including, but not limited to, the Historic Colvin Run Mill in Great Falls, VA and the I-95 Landfill Complex in Lorton, VA.

The PSB, as part of a division wide effort, is working towards reducing its carbon footprint through reduced energy consumption and increased pollution prevention. As part of this effort, the PSB is replacing light bulbs with LED bulbs, reducing the idling time for County vehicles, and performing internal audits to ensure compliance with peak shaving/energy audit initiative goals. In FY 2021, PSB worked with Capital Facilities staff to develop a facilities manual that standardizes the design of pump stations. In FY 2023, these updates to the facilities manual are ongoing. The PSB continued energy audits on each future pump station rehabilitation in FY 2023, and carbon footprint reduction strategies continue to be applied.

2.2.4 Gravity Sewers Branch

The Gravity Sewers Branch (GSB) provides routine sewer cleaning, visual inspections, and maintenance of the 3,250-mile sanitary sewer system. For areas of Fairfax County that are not served by the sanitary sewer system, i.e., the 21,610 individual onsite sewage disposal systems outside of the approved sewer service areas, the Wastewater Management Program provides a septage disposal facility at the NCPCP. This facility receives approximately one million gallons per month of hauled waste, largely from individual septic tank systems, portable toilets, and from the County's approximately 3,808 food service establishments whose grease traps require routine pump-outs. The GSB is also responsible for managing the County's septage pump and haul operations and hauled wastewater operations for two residential neighborhoods as well as the Town of Clifton.

The GSB's cleaning and maintenance program includes tracking, scheduling, and conducting routine inspection and/or cleaning of line segments. Staff adjust the cleaning frequency according to needs and inspect problematic sewer lines at higher frequencies.

A total of 429 miles of sewer lines were cleaned in FY 2023. Greater efforts in sewer inspection and cleaning activities resulted in a decrease in the number of overflows and backups in the system. WCD determines the number of occurrences per 100 miles and tracks this as one of the measured performance indicators. Table 2-1 shows the total number of occurrences (divided into backups and overflows) for the GSB in the last seven years. Fairfax County gravity sewers consistently have fewer occurrences of backups and overflows than the median level, established in a study conducted by the American Water Works



Association (AWWA) and Water Environment Foundation (WEF), and was below the 25th percentile for each of the last nine fiscal years. Occurrences are infrequent due to the County's aggressive cleaning, maintenance, and lining programs.

Fiscal Year	Backups	Overflows	Total Occurrences	Occurrences Per 100 Miles	WEF Median Per 100 Miles
FY 2014	15	21	36	1.09	4.3
FY 2015	16	12	28	0.85	4.3
FY 2016	12	23	37	1.12	4.3
FY 2017	19	17	36	1.09	4.3
FY 2018	17	20	37	1.12	4.3
FY 2019	9	18	27	0.82	4.3
FY 2020	10	10	20	0.61	4.3
FY 2021	8	19	27	0.82	4.3
FY 2022	10	23	33	1.00	4.3
FY 2023	18	22	40	0.67	4.3

Table 2-1: Maintenance-Related Backups and Overflows in the Collection System

2.2.5 Projects and Assets Branch

The Projects and Assets Branch is composed of five groups: Asset Management Program, Capital Improvement Program, Rehabilitation and Inspections Group, Closed Circuit Television (CCTV) Group, and Miss Utility Group.

Asset Management Program

The mission of the Asset Management Program (AMP) is to analyze asset information from maintenance, inspection, and field condition assessment to perform system risk modeling, perform decision support analysis, and to determine assets for improvement and maintenance recommendations. The data-driven work performed by this group is designed to ultimately guide WCD in maintenance and improvement decisions.

The AMP is also responsible for regulatory compliance tracking and reporting.

Capital Improvement Program

The mission of the Capital Improvement Program (CIP) is to plan, develop, and maintain an optimized 10year capital improvement plan for WCD. The engineers in CIP use information and guidance provided by the AMP to study and analyze areas of substantial risk and in need of improvement. The studies are used to scope planned capital improvement projects to be included in the 10-year capital improvement plan. CIP engineers assign and coordinate capital improvement projects with Capital Facilities for design and construction. The CIP engineers participate in and provide general oversight of projects to ensure the engineering and operational goals of WCD are met throughout each stage of the project. CIP coordinates



with all WCD branches and other agencies involved with projects to ensure all parties are satisfied with the outcome.

Rehabilitation and Inspections Group

The Rehabilitation and Inspections Group is responsible for managing the rehabilitation of Fairfax County's sanitary sewer lines and manholes in an effective and efficient manner. The Group strives to rehabilitate gravity and force main sanitary sewer lines and manholes to maintain their structural integrity, eliminate I/I, prevent sanitary sewer backups and overflows, and prolong the life of the County's sanitary sewer system. The Group also provides customer service to homeowners, plumbers, contractors, and other County agencies.

In FY 2023, 19.9 miles of 8-inch through 15-inch diameter gravity sewers were rehabilitated using the cured-in-place pipe (CIPP) method. Figure 2-2 shows the linear feet (LF) of pipe by diameter that was repaired using trenchless technologies in FY 2023. In addition to the trenchless repairs, several point repairs including removal of cross bores were completed using open cut methods.

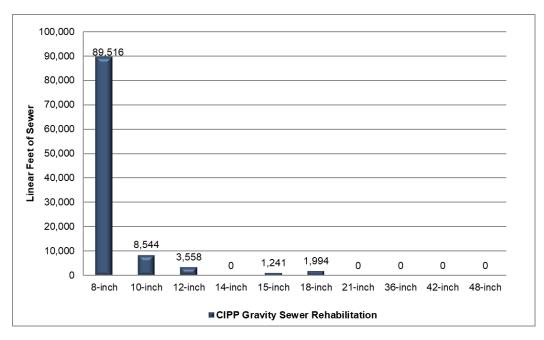


Figure 2-2: Trenchless Sewer Rehabilitation Completed in FY 2023

A private contractor is used to clear sewer easements of small trees and branches to allow crews access for inspection and maintenance activities.

Figure 2-3 illustrates the total annual length of easement cleared in the past 11 fiscal years. Additionally, the group inspects new assets installed by third parties to ensure adherence to the Public Facilities Manual (PFM) and for acceptance into the County's sewer system.



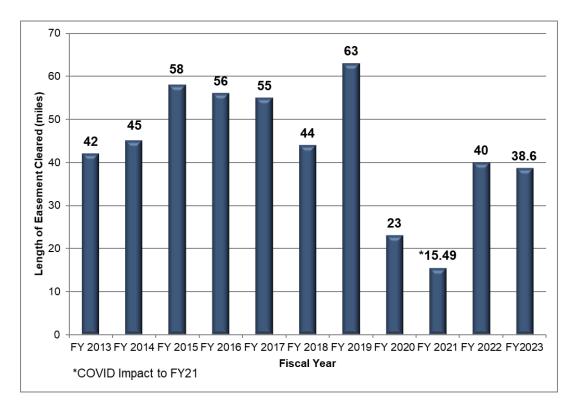


Figure 2-3: Length of Sewer Easement Cleared

Closed Circuit Television (CCTV) Group

The CCTV Group's primary functions are to detect defects in the sanitary sewer system using specialized CCTV equipment and to make repair recommendations. The Group inspects older sewer lines for possible infiltration, deterioration, loss of structural integrity, and blockages that may lead to sewer overflows or backups. In the event of an overflow or sewer backup, a team with inspection equipment is dispatched to determine the cause of the event, and recommended solutions are provided by the staff to prevent recurrence. The CCTV Group is also responsible for inspecting all new sanitary sewer lines. Using the guidelines set out in the Fairfax County PFM, inspectors ensure that only properly constructed sewer lines and manholes are accepted into the County's sewer system. The group inspected a total of 142.8 miles of sewer pipe in FY 2023. In addition, 91.5 miles of sewers were inspected by a CCTV contractor.

Miss Utility Group

The Miss Utility Group locates and marks Fairfax County's sanitary sewers and water reuse lines in accordance with the Virginia Underground Utility Damage Prevention Act and the rules and guidelines set forth by the State Corporation Commission. The service is provided to ensure that no damage occurs to Fairfax County's sanitary sewer and water reuse lines during any excavation in which there is a valid Miss Utility request. In FY 2023, the Miss Utility Group transitioned services to a locating company. In FY 2023,



the Group processed 142,933 Miss Utility requests. Of the total number of Miss Utility requests processed in FY 2023, 39,998 or 28% of all requests required field locates.

Wastewater Collection Division Capital Projects

The following sections provide a summary of capital improvement projects that are either in study/design or under construction during FY 2023 or planned for FY 2024. Funding level details for each type of project including pumping stations, sewer metering, collection system replacement and rehabilitation, and the sewer sag program are provided in Section 5.5.3. The timing and funding of projects presented in the CIP appear to be adequate to maintain anticipated service levels.

Gravity Sewer Projects

- In Study/Design
 - Little Pimmit Run Sewer Relocation The project will accomplish sewer realignment and elimination of approximately 5,000 LF of 8-inch to 21-inch high-risk sanitary sewer crossings. Project is being completed in coordination with the Stormwater Planning Division. The study began in FY 2021, and design is anticipated to begin in FY 2024.
 - Sewer Sag Package #2 This project will replace 6 sewers with severe sags across the County. The design began in FY 2021 and is anticipated to be completed in FY 2024.
 - Accotink Gravity Sewer Capacity Improvements This project will provide needed capacity relief on the Accotink interceptor to convey 2045 flows. The study began in FY 2021, and design in FY 2022. Construction is anticipated to be completed in FY 2027.
 - Chain Bridge Vault Site Safety Upgrades The project addresses safety upgrades to the sewer siphon vault located near Chain Bridge Road in Arlington, Virginia. The design began in FY 2022 and construction is anticipated to begin in FY 2025.
 - Springfield Estates Pump Station Abandonment This project is abandoning the Springfield Estates Pump Station and replacing it with 2,000 LF of gravity sewer. The study began in FY 2021, with design beginning in FY 2022. Construction is anticipated to begin in FY 2024.
 - Merrifield Capacity Upgrades This project aims to upsize approximately 600 LF of 12inch diameter gravity sewer serving the Merrifield area. Project study was initiated in FY 2021 with design beginning in FY 2021. The design is set to be completed in FY 2024 and construction is anticipated to begin in FY 2025.
 - West Springfield Stream Crossing This project replaces 150 LF of 8-inch gravity sewer. The design began in FY 2022. Construction is set to be completed in FY 2025.
 - Pohick Phase 1 Sewer Rehabilitation (Trunk) Project to rehabilitate 6,457 LF of sanitary sewer with CIPP lining. Study began in FY 2020. Design began in FY 2023 with construction anticipated to be completed in FY 2025.
 - Abilene Street Pipe Replacement Project to replace an aging sewer. Design is expected to be complete in early FY 2024, and construction in FY 2025.
- Under Construction

- CIPP Rehabilitation Ongoing CIPP rehabilitation of gravity sewers (8-inch to 15-inch in diameter) and manholes.
- Asset Point Repair and Utility Intrusion Programs Programmatic approach to address point repairs and intrusions.
- Carderock Gravity Sewer Rehabilitation Rehabilitation of pipe that carries flows from Scotts Run Interceptor sewer to Potomac Interceptor owned by DC Water. Design includes rehabilitation of approximately 1,300 LF of 30-inch pipe. Design began in FY 2019. Construction began FY 2023 and is anticipated to be completed in FY 2024.
- Celadon Sewer Replacement The project involves the replacement of approximately 1,700 LF of 6-inch sewer pipe. Design began in FY 2019 and continued through FY 2021. Construction began in FY 2023 and is anticipated to be completed in FY 2024.
- Indian Run Sewer Reinforcement The project addresses exposed pipe within a stream valley. The goal is to relocate the pipe segments to a new location where they are not prone to stream erosion. Design began in FY 2019 and continued through FY 2023. Construction is anticipated to begin in FY 2024.
- Old Mill Sewer Replacement The project is addressing a capacity issue with the existing pipe. The design entails replacement of approximately 1,100 LF of 10-inch slip lined pipe with a new 16-inch pipe. Design began in FY 2019 and continued through FY 2021. Construction was completed in FY 2023.
- Little Hunting Creek Sewer Sag Rehabilitation of 12-inch sanitary sewer line due to severe sag. This is the first project from the Sewer Sag Evaluation Preliminary Engineering Report (PER). Project design was completed in FY 2019. Construction began in FY 2020 and was completed in FY 2023.
- Augusta Lane Sewer Line Improvement This project replaced a 189 LF section of 10-inch gravity Sewer. Design began in FY 2022. Construction was completed in FY 2023.
- Coon Branch Sewer Replacement This project replaced 900 LF of 8-inch and 16" sewer line along Coon Branch. Project design was completed in FY 2023. Construction is expected to be completed in FY 2025.

Pumping Station and Forcemain Projects

- In Study/Design
 - Accotink Pumping Station Rehabilitation of the Accotink Pumping Station. Preliminary design efforts began in FY 2019 and continued through FY 2020. Design began in FY 2021. Construction is expected to begin in FY 2025 and construction completion is anticipated in FY 2029.
 - Wellington I Force Main Replacement Rehabilitation of 6-inch ductile iron force main. Design began in FY 2019. Construction is anticipated to begin in FY 2022 and to be completed in FY 2026.
 - Riverwood Force Main Rehabilitation Replacement of 6-inch cast iron force main and installation of an emergency bypass structure. Design began in FY 2019. Construction is anticipated to begin and be completed in FY 2024.

- Tysons West Pump Station and Force Main Study of the new 25 MGD Tysons West Pump Station to address new capacity needs in Tysons Corner began in FY 2020. Design began in FY 2021 and construction is set to begin in FY 2024 with the completion of all project phases in FY 2029.
- Tysons East Pump Station and Force Main Study of the new 10 MGD Tysons East Pump Station to address new capacity needs in Tysons Corner began in FY 2020. Study was completed in FY 2022 and land acquisition is currently underway.
- Jones Point Pump Station and Force Main Rehabilitation of aging pump station and associated facilities. Study began in FY 2021. Design is anticipated to begin in FY 2024 and construction completion in FY 2028.
- Wellington I Pump Station Rehabilitation A project that is intended to rehabilitate the aging infrastructure at the pump station. Study began in FY 2021, design began in FY 2023 and construction is anticipated to be completed in FY 2026.
- Wellington I Force Main Replacement Rehabilitation of 6-inch ductile iron force main. Design began in FY 2019. Construction is anticipated to be completed in FY 2026.
- Freund House Pump Station Screen Replacement A project to replace the screens at Freund House Pump Station. Design began in FY 2022 and was completed in FY 2023. Construction is estimated to begin in FY 2024.
- Little Hunting Creek Force Main Project to replace the 30-inch diameter, 4,556 LF Little Hunting Creek Force Main. Study began in FY 2020, design began in FY 2021 and was completed in FY 2023. Construction is anticipated to begin in FY 2025 and be completed in FY 2026.
- Lakevale Estates Collection Improvements A project that is intended to alleviate the capacity concerns downstream of the Lakevale Pump Station by extending the forcemain. Study began in FY 2022, design is anticipated to begin in FY 2024.
- LLV System Improvements Phase 1 A project to address increased sewer breaks over the year and rehabilitate aging infrastructure. Study began in FY 2022, with design beginning in FY 2023. Construction is planned to begin in FY 2024.

• Under Construction

- Holmes Run Pumping Station Rehabilitation of the Holmes Run Pumping Station. Preliminary design efforts began in FY 2018 and continued through FY 2022. Construction began in FY 2023 and is anticipated to be completed in FY 2024.
- Savile Lane Pump Station Rehabilitation Rehabilitation of Savile Lane Pump Station. Design began in FY 2019 and continued through FY 2021. Construction began in FY 2023 and is anticipated to be completed in FY 2025.
- Mt. Vernon Terrace Force Main Rehabilitation of 6-inch cast iron force main and improvements to the influent gravity sewer. Design was completed in FY 2020. Construction began in FY 2023 and completion is anticipated in FY 2024.
- Difficult Run Pump Station Grit and Odor Control Improvements Design of a new diversion structure to eliminate grit buildup in the wet well, Addition of two dry-pit

submersible pumps, as well as modifications of the odor control system. Design began in FY 2021. Construction began FY 2023 and is anticipated to be completed in early FY 2025.

- Oak Marr Pump Station Rehabilitation A project that is intended to rehabilitate the aging infrastructure at the pump station. Study began in FY 2021, design completed in FY 2022. Construction began in FY 2023 and is anticipated to be completed in early FY 2025
- Wellington II pumping station, force main, and adjacent gravity line Construction began in FY 2021, continued through FY 2022 and was completed in FY 2023.
- Langley School Pump Station (PS) Rehabilitation of the Langley School PS and replacement of the Langley School Pump Station Force Main. The Study began in FY 2022 with the design completed in FY 2022. Construction began in FY 2022 and is anticipated to be completed in FY 2024.

Miscellaneous Projects

- In Study/Design
 - Flow Meter Vaults Rehabilitation Rehabilitation of meter vaults for structural, electrical, and mechanical deficiencies. Construction of several sites was completed in FY 2021. Design for additional sites is anticipated to begin in FY 2022, construction is anticipated to begin in early FY 2026.
 - Lake Barcroft/Holmes Run Odor Study An evaluation began in FY 2018 to address odors in the Holmes Run basin around Lake Barcroft. Future odor control projects will be implemented based on field investigation and sampling as well as recommendations made as the study is finalized. Study was completed in FY 2022 and design is anticipated to be completed in FY 2024.
 - Surveying Missing Manhole Inverts Project to survey 807 pipes with missing inverts to update GIS and support hydraulic modeling. Study began in FY 2022 and was completed in FY 2023.
 - Wastewater Utility Management Plan Project to complete Wastewater Utility Management Plan that includes strategic planning, master planning, hydraulic modeling, condition assessment, and capital improvement program creation. The project began in FY 2021 and is set to be completed in FY 2024.

2.2.6 Wastewater Collection Division Facilities Inspection

Pumping Stations

On April 17, 2024, Hazen conducted site inspections to assess the general condition and operability of three pumping stations. The PSB provided a summary of all the pumping stations with the location, capacity, date of original construction and date of major rehabilitation or modification. Hazen used this information, as well as discussions with PSB personnel, to select three pumping stations with the objective of inspecting pumping stations that represent the wide range of assets maintained by WCD. A summary of ongoing, proposed or recently completed projects and observations from the inspections is provided below:



Dogue Creek (Freund House) Pumping Station

- Built in 1980, 32.0 MGD capacity
- Pump station is generally in good shape with an efficient layout.
- Planned improvements for chemical storage building roof and bar screen.

Jermantown Road Pump Station

- Built in 1999, 0.14 MGD capacity
- Generator was installed in 1998 and is in excellent shape. Generators serviced once a month in accordance with County contract.
- No work planned for pump station as it is in overall in great shape.

Lorton Valley Pumping Station

- Built in 2004, 1.68 MGD capacity
- Bioxide system used for odor control and is generally always in service.
- No planned projects for this pump station as it is in overall good shape.

Figure 2-4 through Figure 2-9 are photographs taken during the site visits to the three pumping stations.



Figure 2-4: Dogue Creek (Freund House) Pumping Station External Appearance





Figure 2-5: Dogue Creek (Freund House) Pumping Station General Condition



Figure 2-6: Jermantown Road Pumping Station External Appearance

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Figure 2-7: Jermantown Road Pumping Station General Condition



Figure 2-8: Lorton Valley Pump Station External Appearance

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Figure 2-9: Lorton Valley Pump Station General Condition



Robert P. McMath Facility

WCD administrative offices and maintenance shops are in the Robert P. McMath Facility at 6000 Fred's Oak Road in Burke, Virginia. The facility serves as a staging area for WCD operations and is also used for equipment storage (with the old Upper Cub Run wastewater plant site providing additional storage area). This well-maintained facility is approximately 30 years old. Hazen conducted a site inspection of the facility on April 17, 2024. WCD completed design of a new building to replace the Robert P. McMath Facility, which will house multiple County departmental offices, a welding shop, an electrical shop, and the sign department. Completion of the new building is anticipated in calendar year (CY) 2026. Recent upgrades consist of new equipment for training room and conference rooms, kitchen upgrades including a composting program to generate about 150 lbs. per month of compost, first aid kit refilling, and upgrades to workstations. Figure 2-10 shows the site plan for the new facility.

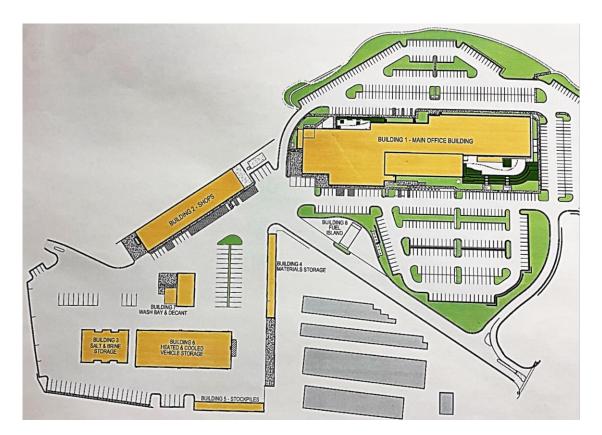


Figure 2-10: Updated McMath Facility Site Plan

Flow Monitoring Stations

On April 8, 2024, Hazen conducted site inspections for three flow monitoring stations to assess their general condition and operability. The PSB provided a summary of Fairfax County flow monitoring stations with the location, capacity, and type of flow monitoring device installed. Hazen used this information, as well as discussions with PSB personnel, to select three flow monitoring stations with the objective of inspecting flow monitoring stations that represent the wide range of assets maintained by WCD. A summary of observations from each metering station is provided below:

Chancery Park

- Type: 3-inch Parshall Flume.
- Network: 3G Communication Technology.
- Electric power is provided at the site by an external battery within the station panel.

Cedar Lane

- Type: 10-inch Leopold Lagco.
- Network: 3G Communication Technology.
- This flow monitoring station has been identified for rehabilitation due to aging infrastructure. Planned improvements include replacement of the control cabinet, electrical equipment to be externally located, and implementation of battery and solar power.

Tod Street

- Type: 10-inch Palmer Bowlus
- Network: 3G Communication Technology.
- Meter control cabinet has been rehabilitated about two years ago. Implemented improvements include a new control cabinet, all new electrical equipment, and installation of external battery and solar power.

Figure 2-11 through Figure 2-16 are photographs taken during the site visits to the three flow metering stations.





Figure 2-11: Chancery Park Flow Metering Station



Figure 2-12: 3-inch Parshall Flume

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Figure 2-13: Cedar Lane Flow Metering Station



Figure 2-14: Cedar Lane Flow Metering Station





Figure 2-15: Tod Street Flow Metering Station



Figure 2-16: Tod Street Flow Metering Station

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2.3 Wastewater Treatment Division

2.3.1 Overview of Division

The Wastewater Treatment Division (WTD) operates and maintains the NCPCP located in Lorton, Virginia, as shown in Appendix A – NCPCP Site Plan. The staff at the plant is organized into four branches: Engineering Support, Operations, Maintenance, and Information Technology Services. WTD had 136 positions in FY 2023.

All four branches of WTD work continually and effectively to treat wastewater and produce a high-quality treated effluent meeting all Virginia Department of Environmental Quality (DEQ) permit requirements continually and effectively. WTD also oversees the Water Reclamation Facilities, which produce Level I reclaimed water for irrigation and industrial uses in the County.

Major upgrades, initiatives, and compliance items performed this fiscal year include the following:

NCPCP Upgrades

- **Biosolids Program (Solids Processing Contracts III and IV):** The Biosolids Program continued in FY 2023 as follows:
 - Phase III focuses on the rehabilitation of the existing incineration system and supporting biosolids processing infrastructure. Phase III construction started in FY 2020 and is anticipated to be completed in FY 2026.
 - Phase IV includes several additional upgrades and infrastructure renewals including replacing the biosolids dewatering system. Design was resumed FY 2023 with construction starting in FY 2027.
- **Primary and Secondary Infrastructure Reinvestment and Optimization Program:** A comprehensive evaluation of primary and secondary processes began in FY 2016 to assess the needs for rehabilitation of existing infrastructure in conjunction with capacity expansion. This evaluation included the flash mix tanks, primary settling tanks, activated sludge processes, secondary clarifiers, aeration facilities, and associated chemical addition facilities for a 30-year planning horizon with design average flows up to 80 MGD. Due to the complexity of the program, the program is divided into three phases:
 - Phase I began in FY 2018 and included multiple pilot studies to investigate options to improve the treatment process within a limited footprint. In FY 2019, a demonstration scale aerobic granular sludge pilot was constructed for operation over a 10-month period. Findings from the demonstration scale pilot provided information for Phase II and capacity expansion.
 - Phase II design began in FY 2018 and includes rehabilitation and/or modification of existing facilities to extend service life and reduce risk. Construction of Phase II was awarded in August 2022 with construction activity currently in progress. Substantial completion of this

phase is scheduled for March 2027. This package includes construction of a full-scale pilot train in the secondary facilities.

- The schedule for Phase III design for capacity expansion depends on the outcomes of Phases I and II.
- <u>Motor Control Center and Distribution Center Replacement (MCC/DC)</u>: This project includes the replacement and upgrade of 15 480V distribution centers, 20 motor control centers, multiple programmable logic controllers, and associated electrical appurtenances throughout the NCPCP. The project will reduce arc flash exposure risk, improve safety, and reinvest in the existing electrical equipment. The design phase was completed in FY 2016, and construction was completed in October 2023. This project received the Leadership in Energy and Environmental Design (LEED) Silver Certification for the new Building V. The project received the 2023 American Public Works Association (APWA) Mid-Atlantic Chapter's Project of the Year Award for the category of Environment More than \$75 Million.
- **Raw Wastewater Pumping Station Rehabilitation:** This project involves the evaluation and infrastructure renewal of raw wastewater pumping at the NCPCP, including two existing pumping stations, the B3 flow equalization facility, underground infrastructure, and associated processes and systems. This project is being implemented through the construction manager at risk (CMAR) method and completed in two separate packages, Package 1 (B3) and Package 2 (B4). Preliminary engineering and design of this project commenced in FY 2020.
 - Package 1 (B3) involves demolition of existing 6" header and wall cleaning system on Equalization (EQ) Tanks No. 1-4, demolition of Wash Water Return (WWR) Pumps and above grade WWR piping in Tanks No. 1-5, replacement of sump pumps and 36" valves in the existing 5 valve vaults, replacement of 1-ton jib crane, installation of Odor Control System for Tank No. 1, installation of aluminum cover for Tank No. 1, replacement of B3 Motor Control Center (MCC), Remote Input Output (RIO) panel with PLC and HVAC improvements in B3 Building. Construction started in November 2021 and final completion is anticipated in FY 2024.
 - Package 2 (B4) consists of a new pump station with a firm capacity of 210 MGD and the associated 60-inch force mains along with an odor control system, relocating the main electric feed lines into the plant site and providing new control switches, decommissioning and demolition of the existing raw wastewater pumping facilities, improvements to the B2 equalization pump station, increasing the number of parking lots and providing Electric Vehicle (EV) charging stations, improvement to the QQ1 pump station, and improvement to the facility entrance and traffic flows. Package 2 is currently in design, and construction is anticipated to begin in FY 2024.
- <u>APW/ County Water System Optimization</u>: The project will develop hydraulic models for the Advanced Plant Water (APW) system and county water (CW) systems at the Noman Cole Pollution Control Plant site, including field verification and field testing to calibrate the model. After the model is calibrated, it will be used to optimize the water systems based on pressure and demand.



The current scope is for pre-design/study phase only with anticipated completion date of December 2024.

- <u>Accotink Odor Control</u>: Design of the Accotink Odor Control Facility located at the Noman M. Cole, Jr., Pollution Control Plant was completed in May 2023. The County has characterized nuisance odors and recommended a biotower/ carbon unit for the mitigation of off-site plant odors at the Septage Receiving Facility, improving the quality of life in the community with respect to odors. Other improvements include replacement of equipment that has reached its useful life, safety improvements, stormwater diversion, and electrical and communications upgrades. Construction began in FY 2023 and is anticipated to be completed in FY 2025.
- <u>Major Sustaining Program</u>: This is a project to identify and address rehabilitation needs for the tertiary processes. Condition assessment of the affected facilities began in FY 2020. Based on initial assessment results and urgency of needs, the major sustaining program is anticipated to be completed in several design and construction packages, including immediate needs, current needs, and future needs. Detailed scope and timing will be determined and finalized based on equipment condition, asset management program results and influent flow and nutrient increases. Major projects started in this program are summarized below.

• FF Gates Improvement

The Monomedia Filters/Activated Carbon Absorption (FF) Filter Gates Improvements project will replace backwash valves and gates to improve energy efficiency, maintenance, and safety. The backwash valves and stems will be moved away from the walls and replaced with valves of more readily available models. This project will also improve access safety and mitigation of the need to enter confined spaces for maintenance. This project started in FY 2023 and is expected to complete design in FY 2025.

• FF Capacity Improvement

This project will replace the media and underdrain systems and associated assets at FF filters 1-8 and retrofit FF filters 9-10. Additional design services were added in early 2024 which included a series of project elements such as roof replacement, operator control station addition, concrete repairs, fiber optic system improvements, electrical, mechanical and plumbing equipment. This project started in FY 2024 and is expected to complete design in FY 2026.

• MBBR Capacity Improvement

This project will equip and operate the sixth Moving Bed Biological Reactor (MBBR) train in partial nitrification/denitrification/anammox mode (PANDA/PdNA) and replace a single blower to reduce the dissolved oxygen levels of the MBBR effluent and subsequently reduce the energy costs. This project started in FY 2023 and is expected to complete design in FY 2026.

• Site Project

This project is under scope of work development with an anticipated design contract start date of summer 2024. Scope includes safety improvements, valve accessibility improvements to the reclaimed water distribution system, a new caustic dosing



system, improvements to an onsite creek, and various building, road, and sidewalk work, etc.

• In-house Project

A significant portion of the in-house projects have been completed. In-house projects include replacement of the Tertiary Clarifier mechanisms and drives, bar screen freezing improvements and miscellaneous smaller projects throughout the facility. Installation and piloting of a new NN blower at the MBBR facility is anticipated in FY 2025.

- <u>Activated Sludge Effluent (ASE) Pump Station:</u> This project involves rehabilitation of the ASE Pump Station, removal and replacement of six (6) vertical turbine pumps, seven (7) cast-iron sluice gates, seven (7) actuators, fourteen (14) valves, and six (6) actuators, which convey secondary effluent to the Moving Bed Biological Reactor Facility. Design has been completed, and construction started in August 2022, and is anticipated to be complete in 2026.
- <u>Modernization of Support and Administrative Facilities:</u> This project includes design of upgrades to non-process facilities including maintenance shops, amenities areas, Lab area and Information Technology (IT) spaces. In addition, the scope also includes adding 5 trailers at the back of the plant to accommodate the maintenance group during the construction and prepare the site plan for parking lot. The project design is divided into two construction contracts, contract #1 design completed and ready for bid, and contract #2 currently ongoing. Construction is anticipated to start in FY 2024 with a completion date in FY 2026.
- <u>Master Plan</u>: A Master Plan study to provide an integrated plan that will assist Noman Cole Pollution Control Plant to maintain the current levels of service for the next 20-30 years, and to anticipate the need for future levels of service. The Notice to Proceed (NTP) of this project is March 2024.

Administrative Initiatives

- <u>Performance Measure Tracking:</u> WTD continues to track operating costs (dollars per million gallons treated), odor complaints, and compliance with permitted effluent discharge limitations. WTD benchmarks against its own performance record and other comparable advanced wastewater treatment plants in Northern Virginia. The unit cost of wastewater treatment at the NCPCP was \$2,597 per million gallons in FY 2023. This is the lowest unit cost of any advanced wastewater treatment plant in Northern Virginia.
- **Operations/Maintenance Workforce Planning:** Senior staff succession planning and institutional knowledge transfer continues to be a focus for WTD. There were 6 new hires in FY 2023 in Operations and Maintenance roles. WTD also continues to improve employee competencies to prepare employees for new higher-level technical positions. In FY 2023, 18 employees within the Operations and Maintenance Branches earned promotions.
- **Professional Licensure and Certifications:** WTD staff have a wide range of skill sets and expertise, and many positions require a professional license or certification. In FY 2023, over 100

professional licenses and certifications were held by WTD staff including Professional Engineers, Wastewater Operators, HVAC Mechanic, Licensed Electricians, Plumbers, Incinerator Operators, International Society of Arboriculture (ISA) certifications, Soil and Erosion Control certifications, and Envision certifications, among others. Developing, strengthening, and expanding staff skill sets and knowledge are priorities of WTD's strategic workforce planning initiatives.

- <u>Energy Savings:</u> In FY 2023, the plant reduced its electricity usage by 3.0 percent. In FY 2022, WTD enrolled in the U.S. Department of Energy's (DOE) Sustainable Wastewater Infrastructure of the Future (SWIFT) initiative. As a result, WTD began development of an energy management system in alignment with the DOE's 50001 Ready program. WTD received a 50001 Ready certificate of recognition in November 2022. In FY 2022, WTD purchased renewable energy credits to offset 10% of its greenhouse gas emissions from electricity. In FY 2023, this was increased to 25%. As a result of these and other actions, WTD was able to reduce its greenhouse gas emissions by 24.6% in CY 2022 from a baseline year of 2018.
- <u>Electrical Curtailment</u>: WTD continued to participate in an electrical load shedding/curtailment program. In FY 2023, payments were approximately \$131,590 for demand response and \$350.20 for the energy efficiency program.
- Asset Management: Asset management continues to be a focus area for WTD and the Wastewater Management Program in general. WTD manages rehabilitation and replacement of most of its assets in-house with internal resources. An Asset Management Team (AMT) was formed in 2004. The AMT is composed of representatives of all branches within WTD. WTD currently uses an Enterprise Asset Management (InforEAM) as its Computerized Maintenance Management System (CMMS) to track physical assets, their maintenance schedules, and the maintenance records at the plant. Since the 1990s, the CMMS database has been continually updated to reflect the physical changes that were made when assets were added, replaced, or rehabilitated as part of CIP projects, or when assets were repaired as part of an in-house maintenance activity. Most of the equipment Operations and Maintenance (O&M) manuals have been scanned and uploaded to the CMMS database for immediate access by all staff at the plant, which is especially useful to maintenance staff and the AMT. WTD is tracking monthly maintenance costs of equipment using the CMMS database to optimize available resources. A Criticality Matrix composed of Consequence of Failure (COF) and Likelihood of Failure (LOF) is used to update project prioritization for the CIP projects, which helps guide infrastructure renewal strategies and decisions. In FY 2022 the AMT revised the COF and LOF criteria to include items such as physical condition, performance and reliability, regulatory compliance, financial impact, and public confidence.
- <u>Predictive Maintenance</u>: In FY 2022 the AMT began using oil and vibration analyses to prioritize equipment maintenance. G building was repurposed to house the oil drums with new and better oil distribution system.
- <u>Maintenance Training</u>: In FY 2022 the Maintenance Branch divided its staff into five mechanics shops. Each group participated in periodical rotational training to improve process knowledge related to level of service.



Regulatory/Compliance Items

- Environmental Management System (EMS): Since 2010, WTD, as part of the Wastewater Management Program, participated in DEQ's Virginia Environmental Excellence Program (VEEP) at the highest Extraordinary Environmental Enterprise (E4) status. E4 status is awarded to enterprises with an active, fully implemented EMS and requires yearly internal audits as well as third party audits every three years. Continuing participation in the VEEP program requires reapplication every three years, at which time the status is reevaluated and awarded. The current E4 status was received in CY 2023, and the next renewal application process will occur in FY 2026.
- <u>Training</u>: Increasing operator competency and certification levels continue to be goals of WTD. There are 43 licensed plant operators at the NCPCP. Continuing education and training for plant operations staff has been emphasized in the past year using both onsite and remote training programs. The computer-based training center in the Administration Building allows all computer-based training to be conducted in-house. Specialty training offered onsite and offsite, to maintain competency in specific skill areas was also provided. The NCPCP training manual is continually updated. The average number of training hours per employee for FY 2023 was 39 hours.
- <u>Waste Load Allocation:</u> In CY 2022, WTD met its waste load allocations for Total Nitrogen (TN) and Total Phosphorus (TP). The facility observed an annual TN discharge load of 299,566 lb vs. the allocated load of 612,158 lb. The facility discharged an annual TP load of 6,683 lb, against the allocated load of 36,729 lb.
- <u>Nutrient Credit Sales:</u> In CY 2022, the plant sold 312,592 lb of Total Nitrogen (120,945 lb of Class A, 191,622 lb of Class B, and 25 lb private exchange) that resulted in \$9,642 in credits on the Virginia Nutrient Exchange. In CY 2022, the plant sold 30,046 lb of Total Phosphorus (7,258 lb of Class A and 22,788 lb of Class B) that resulted in \$11,943 in credits on the Virginia Nutrient Exchange.

2.3.2 Engineering Support Branch

The Engineering Support Branch (ESB) provides support in the following areas: capital improvement, regulatory compliance, energy management, environmental management, sustainability, process engineering and other cross-branch services, such as emergency response, safety, and security. ESB is made up of three groups: Capital Improvement Program (CIP), Regulatory Compliance and Sustainability, and Operations Support. Highlights of ESB activities completed in FY 2023 and those planned for FY 2024 are described in the following sections.

Capital Improvement Program (CIP)

• <u>Capital Improvement Plan (CIP) Annual Budgeting:</u> The WTD CIP annual budgeting process is based upon a system defined in the 2009 NCPCP Master Plan. The process provides a comprehensive, repeatable, responsive, and objective means of planning the NCPCP CIP program. The program is projected a minimum of 10 years from the planning fiscal year and identifies anticipated expenditures beyond the 10-year planning period. The planning team, led by the CIP



Program Manager, includes representatives from all aspects of the CIP program including WTD operations, maintenance, and IT branches; capital facilities CIP program support staff, and the WPMD financial management group. Major steps include:

- Capture updates to reflect changes in the industry, regulatory environment, financial aspects of the Wastewater Management Program, and other factors that may influence the capital program.
- Adjust to and validate benefit criteria and scoring. For FY 2023, planning criteria included life, health, and safety; regulatory compliance; risk reduction; and financial, environmental, and local community criteria. After a project is updated, it is scored based on the benefit criteria.
- Revise existing projects and create new projects as needed. The projects are captured at a high level on project sheets that include project goals, description, drivers, high level schedules and estimates, and status in the CIP budget.
- Update the 10-year planning forecast to reflect changes in project cost, schedule, and addition or elimination of projects. The project schedule is based on multiple aspects, including asset condition, regulatory requirements, and CIP program implementation considerations.
- <u>Capital Improvement Project Management:</u> ESB provides program and project management of the CIP program. In FY 2023 extensive work was accomplished in the following areas.
 - O <u>CIP Program</u>: Annual assessment on CIP program performance was performed in FY 2023 using the health measures established. They provide a more holistic view of the program's success. The measures are based on maintaining the facility's levels of service during and after construction, as well as monitoring progress and compliance with contractual requirements and County wide initiatives. This effort received executive endorsement and its implementation has improved monitoring of the CIP program.
 - <u>Capital Infrastructure Training</u>: In FY 2023, 125 training sessions were carried out in CIP. Improvement areas on training planning and scheduling, training materials and content were identified. Continuous improvement on training is being evaluated and carried out in order to better meet the training needs of plant staffs and balance plant's busy schedule and contract time constraints.

Regulatory Compliance and Sustainability

The Engineering Support Branch provides services in regulatory compliance and sustainability to NCPCP as follows:

• <u>**Regulatory Compliance:**</u> Reports and plans that were prepared and submitted to Virginia DEQ and Environmental Protection Agency (EPA) or maintained onsite during FY 2023 are shown below:



- Plant submitted a request to DEQ to add outfall #6 with a revised stormwater pollution prevention plan (SWPPP) in November 2022. DEQ approved the request of adding outfall #6 and the updated SWPPP in December 2022
- The Hazardous Materials Management Plan (HMMP), Oil Discharge Contingency Plan (ODCP), and Spill Prevention Control and Countermeasures (SPCC) Plan at NCPCP were updated in January 2023.
- The semi-annual Sewage Sludge Incinerator deviation report was submitted to DEQ in January 2023 for a reporting period of July 1, 2022 to December 31, 2022 and was submitted in July 2023 for the reporting period of January 1, 2023 to June 30, 2023.
- The semi-annual fuel quality certification reports were submitted to DEQ in January 2023 and July 2023, for a reporting period of July 1, 2022 and December 31, 2022 and January 1, 2023 and June 30, 2023, respectively.
- The Title V semi-annual monitoring reports were submitted to DEQ in January 2023 and August 2023, for a reporting period of July 1, 2022 and December 31, 2022 and January 1, 2023 and June 30, 2023, respectively.
- The Annual Water Reclamation and Reuse Report for CY 2022 was submitted to DEQ in February 2023.
- The Biosolids 503 reporting for CY 2022 was submitted to EPA in February 2023.
- The Title V Annual RACT report and Annual Compliance Certification for CY 2022 were submitted to DEQ in February 2023.
- The Tier II Emergency and Hazardous Chemical Inventory Report at NCPCP was submitted electronically to the Local Emergency Planning Commission in February 2023. Additionally, a hard copy was submitted to Virginia Emergency Response Council in late February 2023.
- The Annual Air Certification Statement was submitted to DEQ in April 2023.
- Stack testing was performed on Incinerator P4 as required by Sewage Sludge Incineration Maximum Achievable Control Technology (SSI MACT) for Incinerator P4 and fugitive emission tests on Ash Handling Units at K2 in October 2023. All tests were found to be in compliance with SSI MACT
- <u>Sustainability:</u> During FY 2023 ESB staff:
 - Evaluated and analyzed energy (electricity, natural gas, and diesel) consumption at the NCPCP as part of the 50001 ready program.
 - Completed the Greenhouse Gas Inventory at NCPCP for CY 2022 in April 2023.
 - Represented NCPCP in the Environmental Management System Team of the Wastewater Management Program.
 - Managed the nutrient trading program, including nitrogen and phosphorus, for NCPCP.
 - Managed the Spill Response Plan at NCPCP and provided the spill response training to both staff and contractors at the NCPCP.

Operations Support

The Engineering Support Brach provided support services to the Operations Branch at the NCPCP in FY 2023. ESB staff:

- Participated in daily process meetings to provide support pertaining to treatment processes.
- Provided daily support in process monitoring, troubleshooting, and optimization to ensure efficient, effective, and compliant operations.
- Continued to develop, review, and maintain the treatment process setting sheets and operator log sheets.
- Prepared and maintained a monthly report for emergency generator usage as required by the minor New Source Review (mNSR) permit.
- Prepared and maintained a monthly report as required by the State Operating Permit.
- Coordinated the update of Standard Operating Procedures (SOP) on an as-needed basis.
- Provided administrative support pertaining to operator training and license examination.
- Developed specifications and purchased equipment using the County procurement system as requested by the Operations Branch.
- Assisted operation and prepared miscellaneous reports, including weekly landfill gas usage, total hydrocarbon report, sewer certification, high flow event record, reclaimed water, weekly work order summary, etc.

2.3.3 Operations Branch

The Operations Branch is responsible for the daily operation, monitoring, and control of the liquid process, solids processes, residuals disposal, and reclaimed water production at the NCPCP on a continuous (24/7) basis. Included in these responsibilities are sampling; process monitoring and control; record keeping and reporting; in-house operator training; reviews of engineering, planning, and design projects; treatment system project planning; and coordination with engineers on design, construction activities and start-ups.

In FY 2023, the NCPCP consistently produced a high-quality effluent that met the effluent discharge permit requirements as shown in the following paragraphs. There were no effluent discharge violations during this period. The NCPCP has received the Peak Performance award for the past 24 consecutive years. WTD continues to be a leader in protecting the Chesapeake Bay and considers maintaining this status an important initiative for FY 2024.

The list below provides a comparison of the permit limits and the actual monthly average discharge concentrations for key effluent discharge parameters in FY 2023. The text below presents monthly average discharge concentrations for key regulated parameters. The NCPCP operates an enhanced nutrient removal process that not only achieves the required nutrient removal load requirements, but also acts as a revenue source as excess nutrient credits are sold on the Virginia Nutrient Exchange.

1. Flow

- a. Discharge Limits = 67 mgd
- b. FY 2023 Annual Average = 35.66 mgd
- 2. 5-day Carbonaceous Biochemical Oxygen Demand (CBOD5)
 - a. Discharge Limits = 5 mg/L
 - b. FY 2023 Annual Average = <2.6 mg/L
- 3. Total Suspended Solids (TSS)
 - a. Discharge Limits = 6 mg/L
 - b. FY 2023 Annual Average = 0.86 mg/L
- 4. Total Phosphorus (TP)
 - a. Discharge Limits = 0.18 mg/L
 - b. FY 2023 Annual Average = 0.1 mg/L
- 5. Total Nitrogen (TN)
 - a. Discharge Limits = 3 mg/L
 - b. FY 2023 Annual Average = 2.85 mg/L
- 6. Summer (April October) Ammonia-Nitrogen (NH3-N)
 - a. Discharge Limits = 1 mg/L
 - b. FY 2023 Annual Average = 0.1 mg/L
- 7. Winter (November March) Ammonia-Nitrogen (NH3-N)
 - a. Discharge Limits = 2.2 mg/L
 - b. FY 2023 Annual Average = 0.1 mg/L
- 8. Dissolved Oxygen (DO)
 - a. Discharge Limits = >6 mg/L
 - b. FY 2023 Annual Average = 8.6 mg/L
- 9. pH
- a. Discharge Limits = 6.0 9.0



- b. FY 2023 Annual Average = 7.3
- 10. Escherichia Coliform (E. Coli) Monthly geometric mean
 - a. Discharge Limits = 126/100 mL
 - b. FY 2023 Annual Average = 1/100 mL

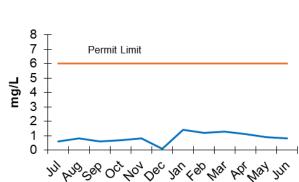
The NCPCP is authorized to produce and distribute up to 6.6 MGD of Level 1 Reclaimed Water, as regulated under 9VAC25-740, for industrial and irrigation purposes in Fairfax County. The operations staff is responsible for monitoring all components of the treatment and distribution system and ensuring that reclaimed water achieves the minimum treatment standards listed below.

- 1. Flow
 - a. Treatment Standard = 6.6 mgd
 - b. FY 2023 Annual Average = 1.67 mgd
- 2. 5-day Carbonaceous Biochemical Oxygen Demand (CBOD₅)
 - a. Discharge Limits = 8 mg/L
 - b. FY 2023 Annual Average = <2.75 mg/L
- 3. pH
- a. Discharge Limits = 6.0 9.0
- b. FY 2023 Annual Average = 7.2
- 4. Turbidity
 - a. Treatment Standard = 5 NTU
 - b. FY 2023 Annual Average = 0.66 NTU
- 5. Total Nitrogen (TN)
 - a. Treatment Standard = 8 mg/L
 - b. FY 2023 Annual Average = 2.85 mg/L
- 6. Total Phosphorus (TP)
 - a. Treatment Standard = 1 mg/L
 - b. FY 2023 Annual Average = 0.14 mg/L
- 7. Total Residual Chlorine (After minimum contact time of 30 minutes at average flow or 20 minutes at peak flow)



- a. Treatment Standard = 1 mg/L
- b. FY 2023 Annual Average = 1.3 mg/L
- 8. Escherichia Coliform (E. Coli) Monthly geometric mean
 - a. Treatment Standard = 24/100 mL
 - b. FY 2023 Annual Average = 1/100 mL

In FY 2023, Fairfax County produced 621 million gallons of reclaimed water for use at the Covanta Energy Facility, Lower Potomac Public Park, and the Laurel Hill Golf Club. The sale of reclaimed water is a source of revenue for the County. In FY 2023 the County collected \$275,008 for reuse water.



Total Suspended Solids

Figure 2-17: NCPCP FY 2023 TSS Effluent Quality





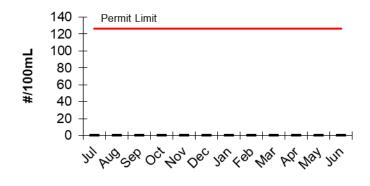


Figure 2-18: NCPCP FY 2023 E. Coli Effluent Quality

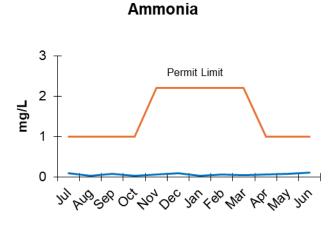


Figure 2-19: NCPCP FY 2023 Ammonia Effluent Quality



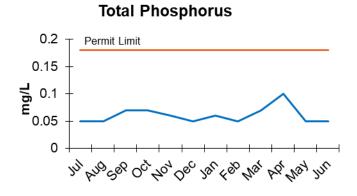


Figure 2-20: NCPCP FY 2023 Total Phosphorus Effluent Quality

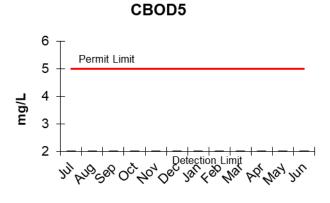


Figure 2-21: NCPCP FY 2023 CBOD5 Effluent Quality

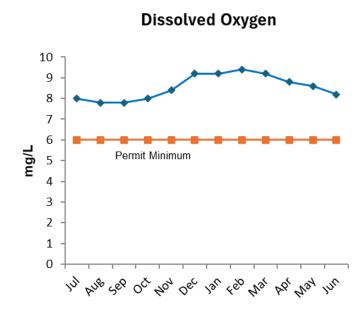


Figure 2-22: NCPCP FY 2023 Dissolved Oxygen Effluent Quality

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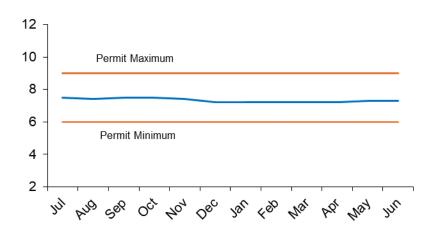


Figure 2-23: NCPCP FY 2023 pH Effluent Quality



Total Nitrogen

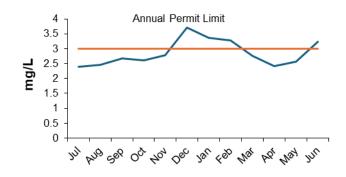


Figure 2-24: NCPCP FY 2023 Total Nitrogen Effluent Quality

2.3.4 Maintenance Branch

The Maintenance Branch at the NCPCP includes the Asset Management, Instrumentation, Electrical, HVAC, Mechanical, and Buildings and Grounds Sections. This branch provides critical support through their preventive maintenance and corrective equipment repair/replacement, administrate, and construct inhouse projects and asset management efforts to ensure NCPCP achieves a high level of reliability.

Highlights for projects completed in FY 2023 or planned for FY 2024 include the following:

- <u>**HH1 Facility:**</u> In FY 2023, maintenance staff prepared the APW Pump Station (HH1) facility to be repurposed to the electric shop warehouse.
- <u>**G Building** new upgraded oil system:</u> In FY 2023, the Maintenance Branch started oil color coding for the WTD equipment and repurposing G building to host a new oil Storage room. The branch has also started new color coding to improve the oil management and better serve the Plant equipment.
- <u>Secondary Rectangular Clarifier:</u> The rotating mechanisms in Clarifiers 12-17 were replaced in FY 2023. All expansion joints were replaced in FY 2021.
- **ASE Pumping Station:** ASE Pump Nos. 4, 5, and 6 were repaired in FY 2023.
- **<u>Roof Upgrades:</u>** Roofs of Bulk Storage (RR), Gravity Filter Building (DD) and Equalization Tanks (B3) were replaced in FY 2023
- <u>Odor Control Media Replacement:</u> The temporary odor control system located at Blended Sludge Storage Tank (R2) had its media replaced in FY 2023. Due to the small and temporary nature of the carbon odor control system at R2, the carbon media is replaced semi-annually.



- <u>Solids Handling Upgrades:</u> In FY 2021, maintenance staff replaced two cake pumps and the other two will be replaced in FY 2024. Rehabilitation of the centrifuges continues on an annual basis, which will postpone \$24 million in spending for seven years.
- **DD Blowers:** The plant replaced the DD blowers in FY 2023. Light structure cover will be installed in FY 2024.
- <u>Expansion Joints</u>: The Plant started a new program to upgrade and replace all expansion joints, starting with Secondary Clarifiers. Currently, replacing all expansion joints of Actuated Sludge Tanks (ASTs) and Tertiary Clarifiers in FY 2023 and FY 2024.
- <u>Tertiary Clarifiers:</u> Replaced TC2B and TC3A mechanism in FY 2023 and expect to replace TC2A in FY 2024.

2.3.5 Wastewater Treatment Division Facilities Inspection

Facilities at the plant include mechanical bar screens, sewage pumping, primary clarification, off-line flow equalization, activated sludge enhanced nutrient removal (ENR) treatment and settling, along with in-line flow equalization, secondary effluent pumping, post-anoxic denitrification through MBBR with methanol addition, chemical clarification, gravity filtration, filter effluent pumping, and Ultraviolet (UV) disinfection. Primary and Waste Activated Sludge is thickened, dewatered, and incinerated onsite to produce dry ash; and then hauled to and disposed of in a sanitary landfill. Screenings and grit are hauled to the Covanta Waste-to-Energy Facility. Pictures of the NCPCP work that was recently completed or will be in progress soon are provided in Figure 2-25 through Figure 2-30.



Figure 2-25: Circular Secondary Clarifier Isolation Valve Replacement





Figure 2-26: ASE Pump Station Bypass Pumping



Figure 2-27: B3 Equalization Tank Odor Control Measures





Figure 2-28: E2 Building Return Activated Sludge (RAS) Valve Replacement



Figure 2-29: New R1 and R2 Sludge Storage Tanks

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Figure 2-30: New R1 Centrifuge Feed Pumps

2.4 Wastewater Planning and Monitoring Division

2.4.1 Overview of Division

The Wastewater Planning and Monitoring Division (WPMD) performs several technical and administrative functions for the Wastewater Management Program. These functions include:

- Review of system development and additional treatment capacity needs for both short- and long-term projections.
- Administration and management of the system's financial operations.
- Administration of contract capacity for the County's wastewater flows to inter-jurisdictional plants and other jurisdictions' flows to the County's plant.
- Evaluation of compliance for developer, Fairfax Water, VDOT, FCDOT, Stormwater, and extension and improvement plans.
- Provision of environmental laboratory support for the Wastewater Management Program and other County agencies.
- Management of the federal and state pretreatment requirements under the Clean Water Act and Virginia Water Control Act, and the County's Sanitary Sewers and Sewage Disposal Code (Chapter 67.1).
- Conduct of targeted outreach and education programs to engage and raise customer awareness and engender stakeholder support.

The Division includes three branches, the Engineering Analysis and Planning Branch, the Environmental Monitoring Branch, and the Financial Monitoring Branch, which are discussed in further detail in Sections 2.4.2, 2.4.3 and 2.5, respectively. There were 56 budgeted positions in the WPMD in FY 2023. All staff, except for Environmental Monitoring Branch personnel and warehouse personnel in the Financial Monitoring Branch, are located at the Fairfax County Government Center.

The Division, in coordination with WTD and WCD, supports asset management work for the entire Wastewater Management Program. The Asset Management Team (AMT) develops and implements a program-wide business process that supports the capital planning needs of the Wastewater Management Program. Based on the outlined methodologies of component assessment and criticality rating, the AMT identifies major infrastructure components within the Wastewater Management Program that require upgrades and develops an accurate repair and replacement budget.

2.4.2 Engineering Analysis and Planning Branch

The Engineering Analysis and Planning Branch is responsible for collection system planning, review and approval of sanitary sewer construction plans, wastewater connection fee assessment and collection, and evaluating rezoning and Comprehensive Plan changes to determine their impact relative to the capacity of the sewer system, including the treatment plants. The Branch uses multiple hydraulic modeling tools including InfoSewer®, and Infoworks ICM a system-wide hydraulic model to evaluate the capacity of the system and plan for future use. The Engineering Analysis and Planning Branch reviews developer, Fairfax Water, VDOT, FCDOT, Stormwater construction plans, and the County's sanitary sewer extension and improvement plans to ensure compliance with the Fairfax County Public Facilities Manual, Board of Supervisors adopted sewer policy, and state regulations. As part of the plan review process, the Branch initiates and maintains the sanitary sewer reimbursement program, which provides an incentive to developers to install larger facilities to accommodate the ultimate buildout in the sewershed. Developers have shown an increased interest in aligning their project with the sanitary sewer reimbursement program.

In FY 2023 the Branch:

- Continued workshops and Microsoft Teams meetings with subset of Northern Virginia Building Industry Association (NVBIA)/National Association of Industrial and Office Properties (NAIOP) members to increase transparency and improve process and procedures around sewer capacity analysis for new development. The branch developed and distributed a Pipe Capacity Hydraulics Excel template to facilitate standardization within the development community.
- Coordinated the Engineers & Surveyors Institute (ESI) outreach program in Spring 2023 to review capacity challenges and changes to the Public Facilities Manual (PFM).
- Increased hydraulic modeling and sewer capacity planning efforts to determine which areas required more in-depth analysis and monitoring. Results were communicated to internal wastewater stakeholders, including engineering staff as part of cross training, to eliminate information and expertise silos.



- Increased flow meters in Sully #1 sewershed and used system wide meter data to calibrate the allpipes Infoworks Integrated Catchment Model (ICM) and inform sizing and timing of proposed CIP projects. Additional information about flow metering is discussed in further detail in Section 2.2.
- Continued quarterly meetings between WCD and WPMD, at Branch Chief and staff levels, to encourage knowledge transfer and maintain coordination.
- Completed sanitary sewer plan reviews, rezoning application reviews, and capacity reviews within allotted time including:
 - 3.60 miles of sanitary sewer approved.
 - 6.23 miles of sanitary sewer accepted.
 - o 250 manholes accepted.
 - 412 plans reviewed.
 - 59 rezoning applications reviewed.
- Led review responsibility for FCDOT and VDOT plans that impact wastewater infrastructure including Route 1 Bus Rapid Transit (BRT) project, 495 Next expansion, and Route 29 widening.
- Acted as primary point of contact for public inquiries concerning sewer availability or issues regarding connections to sewer or installation of new facilities. The Branch often collaborates with other groups inside and outside of the Wastewater Management Program. In FY 2023 they continued to receive exceptional customer service feedback.
- Coordinated Plan Review and Sewer Acceptance with other County offices including the Site Development and Inspection Division, Site Application Center, Bonds and Agreement, Records Information Management, Building Division, Wastewater Permits, Wastewater Collection, Capital Facilities, and other jurisdictions.
- Continued to encourage diversification of knowledge base and inter-division networking to support career growth by conducting a field visit by WPMD staff.
- Continued staff training internally on InfoSewer® and Infoworks ICM and provided support to County's hydraulic modeling team.
- Continued to work with the Richmond Highway Embark (Route 1) project to ensure capacity and utility conflicts are addressed during design.
- Continued procurement work on a detailed follow-up analysis to focus on an identified hydraulic bottleneck downstream of Sully #1 PI connection.
- Hired a new Engineer III and Senior Engineer III position to enhance the level of service of the sewer capacity planning effort and to develop processes and procedures for the newly revised (12/6/2023) reimbursement program. The Senior Engineer III performed CIP review to identify potential financial impacts on neighboring jurisdictions.

• Received Director's approval to update PFM Chapter 10 flow factors to reflect average wastewater generation factors that have been reduced by water saving fixtures.

In FY 2024, the Branch plans to:

- Update and calibrate hydraulic model for Holme's Run sewershed analysis. The model will be refined following developments made through the Wastewater Utility Master Plan (WUMP) completed in FY 2023.
- Refine all pipes hydraulic modeling tool in Infoworks ICM with latest asset information, flow data, and development changes.
- Further refinement of a planning level hydraulic modeling tool through small scale master plan efforts (i.e., Western Fairfax analysis) for the entire system to respond to interagency requests for information on wastewater capacity for existing customers.
- Coordinate with WCD asset management and stormwater planning staff on stream restoration projects and 5-year development plans that impact wastewater infrastructure. Determine potential needs to upsize sewers for future projects during scoping phase.
- Compile County-wide sewershed and sub-sewershed data for employment and population using COG 10.0 TAZ forecast.
- Revise PFM Chapter 10 flow factors to reflect average wastewater generation factors that have been reduced by water saving fixtures. Provide additional guidance on how to evaluate existing infrastructure capacity to determine if pipe upsizing improvements are required and perform additional updates to PFM for design details.
- As a follow-up to the Metropolitan Washington Council of Governments (MWCOG) Potomac Interceptor flow analysis, continue effort for meters within the Sully # 1 sewershed to determine locations of higher inflow and infiltration as a precursor to an official Sewer System Evaluation Survey (SSES) study.
- Continue to perform CIP review for potential financial impacts on neighboring jurisdictions and communicate findings.
- Update County Geographic Information System (GIS) Meter layer to include all historical temporary and updated current meter locations. Meter layer expanded from 90 locations to 350+ locations allowing County staff to be informed of all locations of available meter data. Coordination with WCD to ensure this layer continues to be updated as new meters are installed will continue.
- WPMD staff (8 members) will complete NASSCO training to support WCD with existing evaluations.
- Coordinate with George Mason University to assess existing asset conditions and facilitate turnover of assets to Fairfax County DPWES.



• Continue to sign reimbursements as part of Reimbursement program to provide incremental partial payments or lump sum payment to developers for upsized infrastructure. Reimbursement includes payment for additional design, construction, easements, legal fees, and permits.

2.4.3 Environmental Monitoring Branch

The Environmental Monitoring Branch operates a certified Virginia Environmental Laboratory Accreditation Program (VELAP) at the NCPCP. The Branch also administers Pretreatment Program requirements/regulations under the Federal Clean Water Act and the Virginia Water Control Act to regulate the use of the Fairfax County wastewater conveyance and treatment systems. The Branch also manages the Wastewater Management Program's Outreach and Education activities.

2.4.3.1 Environmental Monitoring Laboratory Section

The Environmental Monitoring Laboratory (EML) conducts routine and specialized analyses necessary to meet and demonstrate permit compliance and supports process optimization needs at the NCPCP. The EML performs analyses for other County agencies including the Stormwater Management Program, the Division of Vehicle Services, and the Solid Waste Management Program. Furthermore, the EML provides analytical support for the Stormwater Management Program's lake monitoring initiative.

In addition, the EML supports regional ecosystem monitoring and sampling for the Gunston Cove Monitoring Program and the Chesapeake Bay Split Sampling Program (CSSP). The Gunston Cove monitoring efforts are part of a long-term study being conducted in partnership with George Mason University (GMU) to evaluate the best management practices implemented to minimize nutrient loading to County streams and tributaries of the Chesapeake Bay. The CSSP is an inter-laboratory testing program that validates water quality data generated by Chesapeake Bay monitoring programs and involves preparation of identical surface water samples for subsequent analysis at participating state, federal and academic water quality laboratories.

In FY 2023, the EML conducted nearly 40,000 water quality analyses (not including quality control samples, which require 5 to 10 times more analyses) in support of the Wastewater Management Program and other County programs. The EML continued support of the WTD in monitoring the operation and performance of the NCPCP, including conducting analyses required under the VPDES permits for effluent and stormwater discharge as well as the Water Reuse Program. This includes analytical support of plant treatment process modifications, improvements, and pilot studies.

The EML maintained certifications for all approved analytical testing methods through the renewal process administered through the VELAP and is certified in methods covering 265 analytes.

In FY 2023, EML continued the implementation of upgrades to the laboratory's parsers equipment. Laboratory upgrades for FY 2023 included the purchase of a new Biotage Extractor for automated semi volatile extractions, Millipore HX 7120 + SDS 500 DI water system, Seal 4 Channel AA500 HR System for nutrient analyses, and continued testing of version 10 of a web-based Laboratory Information Management System (LIMS).



Staff development and quality assurance remains a program priority for the EML and are necessary to maintain the VELAP certification and enhance laboratory capacity, capability, and reliability. The EML staff continue to participate and advance in the Upward Mobility Program, which fosters growth and progression of those in Environmental Technologist positions. In FY 2023, one Environmental Technologist completed the first progression of the Upward Mobility Program. The EML demonstrates the organizational commitment to continual learning and improvement by providing cross training in aspects of advanced analytical methods and quality assurance processes.

In FY 2023, one Environmental Science and Policy, Aquatic Ecology masters student from George Mason University (GMU) participated in the Laboratory Technologist Internship Program. This program is a partnership with GMU and is used to recruit environmental science and chemistry students as possible future Environmental Technologists. Student interns are paired with a laboratory technologist who provides on-the-job training in the collection and analysis of wastewater and stormwater samples. EML is exploring options to expand the Laboratory Technologist Internship Program to Howard University and other historically black colleges and universities in FY 2024 and beyond.

2.4.3.2 Industrial Waste Section (IWS)

The IWS administers the Pretreatment Program for Fairfax County to ensure compliance with regulations under the Federal Clean Water Act, the Virginia State Water Control Act, and the County's Sanitary Sewers and Sewage Disposal Code (Chapter 67.1). This program prevents introduction of pollutants from users that may interfere with or pass through the treatment process, contaminate sewage sludge, damage infrastructure, and/or create a hazardous environment for maintenance and operations personnel. This program also facilitates and ensures industrial user compliance with wastewater discharge permits and specific one-time discharge requests and authorizations. In addition, the IWS ensures that users receiving reclaimed water from NCPCP are in full compliance with Virginia's Water Reclamation and Reuse Regulations, including the requirements for public notification and education, and facility operation and maintenance.

The IWS assists WCD in assessment of surface water quality impacts of Sanitary Sewer Overflow (SSO) events and illicit discharges to and from the collection system. In FY 2023, the IWS responded to a number of these incidents in the County. WCD uses this monitoring information to determine if/when a public advisory notice should be posted to limit recreational activities during affected periods. It should be noted that the number of SSOs in the County's system is one of the lowest nationwide.

During FY 2023, the Pretreatment Program maintained full compliance with all applicable pretreatment requirements and continued its enhanced tracking of hauled septage waste delivered to the designated receiving facility at the NCPCP. The NCPCP Septage Receiving Facility primarily received waste from haulers who service residential and commercial septic tanks, landfills (leachate), and restaurant grease traps/interceptors. The majority of the septage collected in the northern part of the County is being disposed of at the Upper Occoquan Service Authority's Regional Water Reclamation Plant in Centreville and the Blue Plains Advanced Wastewater Treatment Plant in Washington D.C. Both facilities are closer geographically to northern Fairfax County than the NCPCP Septage Receiving Facility.

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The regulatory oversight of septage disposal in FY 2023 included review of hauler waste manifests, onsite inspections, and sample collection/analysis from selected haulers. These steps are being used to assess the source of waste generated and ensure compliance with Fairfax County Code and NCPCP standard operating procedures. The resulting data was used to develop hauled septage fees, which were implemented at the NCPCP in FY 2020. Due to the higher organic and nutrient content of hauled septage relative to sewershed wastewater, receipt and treatment at NCPCP incurs costs that must be recovered to ensure equitable cost sharing with sewer users.

The County conducted a proactive odor evaluation of the SRF in FY 2020 to ensure minimal nuisance to the surrounding community. To stay current with odor mitigation strategies, the County began design of the Accotink Odor Control Facility in FY 2021, and construction began in late FY 2023, anticipated to be complete in FY 2025.

The Pretreatment Program fosters and promotes critical partnerships that greatly assist in leveraging resources to ensure protection of water quality throughout the County. In FY 2023, program staff continued to partner with the Stormwater Planning Division (SWPD) to identify and control illicit wastewater discharges to the County's municipal stormwater collection/conveyance system. The Pretreatment Program worked with illicit dischargers to ensure proper connection to the sanitary sewer system. Another effort involved enhanced coordination with the County's Land Development Services (LDS) to both identify sources of industrial wastewater from new facilities through review of building plans and recommend appropriate pretreatment measures and systems to ensure conformance and compliance. The Pretreatment Program collaborates with LDS and SWPD to improve the process for review and approval of plans for new cooling tower construction to specify the options for discharge to the County's municipal separate storm sewer system (MS4) or connection to the County's sanitary sewer system. In addition, the Pretreatment Program partners with WCD, SWPD, and the County Health Department, to enhance the DPWES's fats, oils, and grease (FOG) control program. SOPs for food service establishment inspection, compliance assessment, and corrective actions continue to be updated to improve program efficiency. Implementation resulted in reduced FOG discharge from restaurants and other food service facilities.

In FY 2023, the Pretreatment Program continued to develop short- and long-term initiatives to enhance its capacity to ensure viability and protect the County's collections system and treatment assets. These initiatives included:

- Procuring and implementing a database application to streamline program planning, execution, and administration.
- Developing a template for Significant Industrial User permits and fact sheets.
- Initiating a system-wide assessment and mitigation of unsafe levels of hydrogen sulfide in the County's sanitary sewers to better protect workers and minimize infrastructure deterioration.
- Collaborating with Virginia Tech's Occoquan Watershed Monitoring Laboratory to characterize sources of sodium, a wastewater constituent that contributes to unhealthy drinking water quality in the Occoquan Reservoir.

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- Implementing a strategy for compliance with the U.S. Environmental Protection Agency's Dental Amalgam Rule, which regulates the discharge of dental amalgam containing mercury and silver to publicly owned treatment works.
- Implementing a Polychlorinated Biphenyl (PCB) pollution minimization approved by DEQ in December 2020.

2.5 Fiscal Control and Financial Planning Branch (Financial Monitoring Branch)

While the Financial Monitoring Branch is organized under WPMD, it is responsible for overall financial management and financial planning of the Wastewater Management Program and continually analyzes the financial position of the Wastewater Management Program to maintain competitive rates, high bond ratings, and meet financial targets. In conjunction with the County's Department of Finance, this Branch produces the Wastewater Management Program's ACFR for the Integrated Sewer System that satisfies both generally accepted accounting principles and applicable financial reporting requirements.

The Wastewater Management Program was awarded a Certificate of Achievement for Excellence in Financial Reporting by the Government Finances Officers Association of the United States and Canada (GFOA) for the FY 2022 ACFR. The Certificate of Achievement is the highest recognition available in government accounting and financial reporting, and its attainment represents a significant accomplishment by a government entity and its management. The Wastewater Management Program's ACFRs are judged by an impartial panel to meet the high standards of the GFOA's program, to include demonstrating a constructive "spirit of full disclosure" to clearly communicate its financial story and motivate potential users and user groups to read the ACFR. The FY 2023 ACFR was completed during FY 2024 and is currently under review.

The Wastewater Management Program continues to meet its strategic planning goals as they relate to the financial reporting process. The Integrated Sewer System did not issue any new bonds in FY 2023. The AAA Bond Ratings from Fitch, Standard & Poor's (S&P), and Moody's issued in FY 2017 were maintained by the Wastewater Management Program.

These high credit ratings have enabled the County to sell bonds on behalf of the Wastewater Management Program at competitive interest rates. The Branch is responsible for issuing and managing debt to fund major expansion and upgrade projects for the NCPCP and its portion of Treatment by Contract facilities.

The Financial Monitoring Branch is responsible for managing seven separate enterprise funds that are the basis for funding the Wastewater Management Program. These include Sewer Revenue, Sewer Operation and Maintenance, Sewer Bond Parity Debt Service, Sewer Bond Debt Reserve, Sewer Bond Subordinate Debt Service, Sewer Construction Improvements, and Sewer Bond Construction. Details of the sewer funds are described in Section 4.1. To ensure that the Wastewater Management Program provides high performance operation and service quality, the Branch closely monitors the following areas:

- Sewer services charges (\$/1,000 gallons).
- Sewer base charges (\$/quarterly bill).



- Availability fees (one-time charge).
- Treatment costs (\$/MGD treated).

The Financial Monitoring Branch is also responsible for the annual submission of the Five-Year Capital Improvement Program (CIP). To ensure system revenues are adequate to support all the financial activities within the Wastewater Management Program, a five-year financial forecast is developed annually with the assistance of a financial services consultant. A five-year rate schedule is developed annually using a financial model designed to track several financial measures to ensure the County's rates remain competitive, support the bond rating, and provide funds for all the financial activities of the Wastewater Management Program. Financial indicators projected for FY 2024 and FY 2025, based on the approved FY 2024 Budget, are presented in Table 2-2. In recent years, the Branch has recommended a phase-in approach to increase rates for both the volumetric charge (\$/1,000 gal) and the quarterly base charge. Details of the proposed 5-year rate increases are presented in Appendix B.



Financial Indicator	Target	FY 2024	FY 2025
Net Revenue Margin	45.0% to 65.0%	52%	53%
Days Working Capital	150 to 200 days	218	216
Debt Coverage Senior	Min 2.75x	3.13x	2.95x
Debt Coverage All-in (without Availability Charges)	1.80x to 2.20x	2.03x	2.00x
Affordability (% of median income spent on sewer bill)	Less than 1.2%	0.57%	0.59%
Debt to Net Plant in Service	Below 40.0% Never above 50.0%	35%	33%
Outstanding Debt per Connection	Max \$3,000	\$1,976	\$2,134

Table 2-2: Calculated Financial Indicators

Next Sewer Bond Sale Expected in FY 2024 - \$227.1 million

This Branch is also responsible for the warehouse inventory and supply management for the overall Wastewater Management Program. The Property Managers at WCD and WTD are responsible for warehouse inventory and supply management for their respective divisions. WPMD operates the third highest valued inventory warehouse in the County. The results of the latest Consumable Inventory Audit of the WCD Line Maintenance stockroom was conducted in May 2020 showed an inventory accuracy rate of 100% with a gross value adjustment rate of 0%. The latest results of the Consumable Inventory Audit of the WTD Lower Potomac stockroom conducted in May 2020 showed an inventory accuracy rate of 100% with a gross value adjustment rate of 0%. The values for WCD and WTD exceed the County's standards of 96% and 3% for Inventory Accuracy and Gross Value Adjustments, respectively.

Starting July 1, 2019, the County consolidated the financial operation personnel for the stormwater and wastewater groups. This consolidation took place to streamline the payment capabilities of the stormwater and wastewater groups, allowing for redundancy for both groups. However, the funding sources for stormwater and wastewater projects will remain strictly separated.

The County's Septage Receiving Facility (SRF) was constructed to receive and treat septage from local onsite sewage disposal systems in accordance with Section 15.2-2123 of the Code of Virginia. In addition, the SRF receives landfill leachate, portable toilet waste, restaurant grease, and recycled carwash water. Previously, hauled septage and wastewater were received and treated at no cost to pump and haul contractors to encourage proper disposal. This cost had been covered by the sewer charges paid by the customers of the County's public sewer system. In FY 2020 charges were implemented to maintain equity in the costs to homeowners with septic tank systems, food service establishments, and other users of hauled wastewater. Septic tank and restaurant grease wastes have higher strength than portable toilet and landfill leachate wastes. The charge for high strength waste is \$27 per 1,000 gallons of the hauler's truck capacity, and for low strength waste is \$7.72 per 1,000 gallons of hauler truck capacity. The proposed charges are based on the prevailing sewer service charge and will be modified as the sewer service charge is adjusted in the future.



Hazen met with the Financial Manager for the Wastewater Management Program on March 1, 2024, and communicated via email on FY 2023 results, current financial status for FY 2023, and future financial projections. The Wastewater Management Program appears to remain in solid financial shape based on FY 2023 financial indicator metrics, and performance projections forecast a continuation of this trend.

2.6 Community Outreach and Education Program

While the Community Outreach and Education Program is organized under WPMD, it supports all three divisions of the Wastewater Management Program through development and implementation of education programs and targeted outreach that engage the community, raise customer awareness, and foster stakeholder support. These are key attributes of an effectively managed wastewater utility. The Program supports Fairfax County Public Schools with curriculum-based environmental and water quality labs, and other hands-on activities. Community outreach is focused on promoting environmental messages and changing customer actions using a variety of forums and tools, including local cable networks and radio stations, e-newsletters, Facebook, Twitter, and SlideShare. The Wastewater Management Program also supports one-on-one conversation between residents, government representatives, and stakeholders.

2.6.1 Classroom Programs for Students

The Program, through a partnership with the Fairfax County School system, has developed a science-based program with targeted curriculums for elementary, middle, and high school students. Elementary activities are focused on different properties of water and how those properties help us clean wastewater or protect our infrastructure. Hands-on water quality activities such as Why is pH a Big Deal?, Fun with Filters, Density – the Sink or Swim Experiment, Microbes are Everywhere, Water & Oxygen, and Wastewater *Enviroscape* are conducted in schools, childcare facilities, and libraries to educate young residents on the importance of keeping our water clean. The Wastewater Management Program also sponsors an annual "Water Quality Field Day" for elementary school students and is working on new activities that incorporate the engineering aspects of wastewater management. Two programs are offered at the middle and high school level. The Sewer Science Lab and the Science of Wastewater Lab were designed to meet the Virginia Standards of Learning (SOL) and Science, Technology, Engineering, and Mathematics (STEM) initiatives. The Sewer Science Lab teaches students the basic concepts of wastewater treatment, brings hands-on applications to science labs, and encourages students to become good stewards of the environment and consider career opportunities in the water industry. The Science of Wastewater Lab is a customized lab that goes further in-depth into scientific concepts related to wastewater treatment and environmental issues about water quality and sustainability. Over the past 16 years, approximately 30,000 students have participated in a Sewer Science Lab with 2,357 participating in FY 2023. Additional middle schools were interested, but COVID protocols only allowed virtual options for this age group, which minimized their participation. During this time, the Program created a virtual plant tour of NCPCP and the virtual Science of Wastewater program. These initiatives allowed students to learn about wastewater when in-person demonstrations were not available.

The Program began another partnership/initiative with Marymount University to develop a new sixth grade elementary school program that addressed microplastic pollutants.

Photographs from recent student-based activities are shown in Figure 2-31.



Figure 2-31: Student-Based Activities at Fairfax County Schools

The Program engages and educates young people through support of science projects, NCPCP plant tours, and Boy/Girl Scout events. Fairfax County high school and middle school students with approved water quality science projects can apply to work with lab scientists in the Environmental Monitoring Lab to conduct analyses for science fair projects. Students participating in this program have won regional competitions.

The Program also provides plant tours of the NCPCP, during which high school students and adults in the community can experience the wastewater treatment process firsthand and learn the role it plays in environmental stewardship and public health protection. Tours of the Noman M. Cole Jr. Pollution Control Plant had been paused for much of the year due to staffing and construction, but 93 participants were able to tour the facility in 2023. The participants ranged from school age to collegiate level students, county employees, and residents.

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In FY 2024, the program is expanding its educational offerings to elementary schools by having a "Water Science Day". These visits offer entire grade levels hands-on activities and information related to water quality and how to help keep water clean. Some events will collaborate with other DPWES divisions and have students rotate to different rooms to hear messages and participate in activities from Stormwater, Urban Forestry, Solid Waste, and Wastewater. This will provide the students with an overall environmental message and help them to understand what DPWES does for the community.

2.6.2 Internships

The Program supports staff recruitment for laboratory and hard-to-fill trade and labor positions by promoting three internship programs:

- <u>Laboratory Technologist Internship Program</u>: This program is a partnership with GMU that is used to recruit environmental science and chemistry students as possible future technologists. During this year-long program, student interns are paired with a laboratory technologist who provides on-the-job training in the analysis of wastewater and stormwater samples. Upon graduation, interns become eligible to apply for a full-time position. One student participated in this program in FY 2023. Additionally, the laboratory offers volunteer opportunities for high school students interested in the environmental sciences. Students can work with laboratory technologists throughout the summer to gain experience in an environmental laboratory.
- <u>Wastewater Plant Operator Internship Program</u>: In FY 2023, the Wastewater Management Program partnered with the Fairfax County Workforce Innovation and Skills Hub (WISH) and Melwood for a Plant Operator Recruitment and Mentoring program. Wastewater Management's Human Resources, Wastewater Collections, Plant Operations, and Plant Maintenance staff made presentations and provided tours for this program; WISH and Melwood trained on resume writing and interviewing. One recent high school graduate was hired through this program and worked as a plant operator trainee.
- **Operation Stream Shield Internship Program**: This program is a partnership between the Department of Public Works and Environmental Services (DPWES) and the Office to Prevent and End Homelessness (OPEH). Guests of the Eleanor U. Kennedy Community Shelter, Bailey's Crossroads Community Shelter, The Lamb Center, and Embry Rucker Shelter are provided part-time, temporary work experience. Operation Stream Shield helps the County meet its mandate to keep streams clean through the removal of litter and non-native invasive plant species, maintenance of the County's pedestrian trail system, assistance at NCPCP, I-66 Transfer Station, and the I-95 Landfill, and engagement in assigned special projects as they become available. Participants earn a nominal stipend and develop workforce skills that allow them to compete in a diverse economy. In FY 2023, there were three participants in this program at NCPCP.

2.6.3 Community Involvement

Targeted community outreach and engagement efforts focus on increasing customer awareness and cultivating more informed and engaged stakeholders. The program educates customers about the work and



services provided by the Wastewater Management Program and the important role these efforts play in maintaining sustainable water quality for the County and the region. Activities are designed to educate the public on how wastewater treatment at the NCPCP works and the challenges the County faces when encountering improper disposal of items such as "flushable wipes", medications, and FOG. During these events, County staff provides users with materials on how to ensure the County's sewer systems remain in optimal working condition. This allows residents to become more involved in services that affect them by asking questions, gathering information, and offering suggestions. In FY 2023, the Program participated in the following community events: Fairfax County Board of Supervisor's Environmental Expo, and Clifton Day Festival. The intended outcome of these events is to maintain a high level of customer satisfaction and receive customer feedback. The Program was not able to participate in the Drug Enforcement Administration's (DEA) semiannual take back day in FY 2023 due to staffing limitations, but plans to do so in FY 2024. This event occurs at the Mount Vernon District Police Station and Reston Police Station where residents can safely dispose of unused and expired medication. Participation in this event promotes proper storage and disposal of medications and shows the County's commutity involvement.



Figure 2-32: Community Involvement





Figure 2-33: Community Awareness booth setup

2.6.4 Public Messaging

Public messaging is a critical component of community engagement and education. The Program focuses on three key areas: promoting proper disposal of discarded medication, proper disposal of FOG and proper disposal of wipes. Proper disposal of discarded medications is promoted through drug take back programs and proper disposal of medication in the trash. Minimizing the discharge of FOG and wipes into the County's wastewater collection system through education on how they cause sewer backups and addressing proper disposal of FOG and wipes in the trash. A subcommittee member of the Fairfax County Opioid and Substance Abuse (OSA) Task Force helps align the message with the Virginia Governor's Task Force on Prescription Drug and Heroin Abuse Implementation Plan. The Fairfax County OSA Task Force Drug Disposal subcommittee consists of representatives from multiple County agencies, including the Wastewater Management Program. Subcommittee initiatives include creating an updated map of permanent dropboxes located in Fairfax County for residents to dispose of medications properly and conveniently.

In FY 2023, messaging and outreach efforts continued to include proper disposal of wipes and FOG in the trash to prevent sewer backups, protect the infrastructure, and highlight wastewater management workers through multiple media outlets. The video series, *Flushed! The Journey of Wastewater*, continued to highlight different teams throughout wastewater management. An EnviroPod focused on proper disposal of FOG by food service establishments was conducted and a FOG mailer in English and Spanish was created to inform residents how to avoid backups and overflows caused by FOG.

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In FY 2023, public messaging continued to include webinar presentations that promoted the Wastewater Management program, highlighted environmental stewardship efforts, and continued educating attendees on proper disposal of FOG, wipes, and medication.

Other local and regional outreach consisted of public service announcements, radio ads in multiple languages, emailers, and social media posts distributed throughout the County. Figure 2-34 illustrates an example from a FOG Prevention campaign that used FOG mailers. Figure 2-35 showcases an example from a Medication Takeback campaign.







Figure 2-35: Medication Take Back Mailer

FINAL SEWER SYSTEM CERTIFICATION REPORT FOR FISCAL YEAR ENDED JUNE 30, 2023 PROJECT NO. 31567-005



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2.7 Information Technology Services Branch

While the Information Technology Services Branch (IT Branch) is organized under WTD, it provides critical system support to all three divisions of the Wastewater Management Program. The IT Branch supports Wastewater Management Program employee needs related to computers and information systems, including training, software, and hardware deployment.

The IT Branch has continued to improve and remain a high-performance branch by providing quality, reliable, available, and secure information technology systems, and resources in support of the mission and strategic objectives of the Wastewater Management Program, and in compliance with the DPWES and County information technology polices. IT staff within each Division work together under the same leadership to manage and support IT infrastructure and automation systems for the entire Wastewater Management Program including following major systems:

- Supervisory Control and Data Acquisition (SCADA) systems.
- Network infrastructure for the NCPCP, 63 wastewater pumping stations, three pump and haul facilities, two stormwater pumping stations, one stormwater flood control facility, and one water reuse pumping station.
- Enterprise Asset Management System (HxGN EAM ASE V11.6 Build).
- Enterprise Asset Management System (Mobile System).
- Laboratory Information Management System (SampleMaster V9).
- Industry Waste Pretreatment iPACS public web application.
- WebDAS2K by Trace Environmental Systems.
- InfoWorks ICM Sewer Edition.
- InfoWorks ICM Viewer.
- Plant Operation eLogbook Web application.
- Wastewater Management Program IT Request Online Web application.
- Online Operation and Maintenance Document Library.
- WWM and STW Online Requisition System.
- Wastewater Collection CCTV Inspection WinCan VX system.
- EnviroSim BioWin 6.2 to simulate operations in wastewater treatment plants.
- FactoryTalk® EnergyMetrix 2.30, web-enabled energy management software package.
- Instrumentation Flow Metering Software Qstart 1.7.



• Unity Pro, IEC Programming Software for Modicon PACs.

The Wastewater Management IT infrastructure is composed of three local area networks (LANs), one for each division, located at the Robert P. McMath Facility (WCD), NCPCP (WTD) and the Fairfax County Government Center (WPMD), respectively. These networks are part of the Fairfax County Government Enterprise System. The County currently has a total of 63 pumping stations connected to the LANs at the Robert P. McMath Facility and NCPCP through Cox Metro Ethernet service.

The SCADA systems at the NCPCP and the Robert P. McMath Facility are protected by an internal security firewall, and all systems and hardware have a private IP address that provides network security protection and mitigates the security risks inherent to the use of the SCADA system. The County has consolidated all SCADA maintenance agreements into one contract. This provides SCADA redundancy in a virtualized environment for wastewater collection and treatment processes, reducing SCADA downtime and addressing some SCADA disaster recovery needs.

In FY 2023 the IT Branch:

- Worked with the ESB on a variety of plant construction projects to deploy and establish new single mode fiber optic network communications to gradually replace the multi-mode fiber optic network communications.
- Completed the Windows 2012 OS servers to Windows 2022 OS in two WWM data centers.
- Completed the in-house project of implementation the Plant Energy Monitoring automatic reporting for plant energy consumption monitoring.
- Deployed the customized calibration interface in HxGN EAM application for the NCPCP maintenance staff. Setup the mobile interface on iPad for the EAM Transit IOS application.
- Enhanced the laboratory chemical inventory and usage tracking system for the EML.
- Worked with automation engineers to update SCADA development/production databases, which include BOA and new projects throughout the NCPCP.
- Provided support to SCADA consultants and contractors at the NCPCP with the HxGN EAM integration project.
- Maintained Wastewater Management IT infrastructure with the latest Microsoft security and patch updates and personal computer replacement program.
- Worked with department of information technology (DIT) to deploy the new release for iPACS public web application for Wastewater Industry Waste Pretreatment session.
- Completed the NCPCP security camera system enhancement project in areas such as Truck Scale.
- Installed and configured the SCADA LAN in the K1K2 operation control room. This involved configuring one Cisco IE-4000 SCADA switch and two Cisco IE-4000 switches for PLCs.



- Upgraded SCADA Cisco switch and single-mode fiber trunk line at FF facility, resolving network drop issues.
- Participated in planning and reviewing PLC/SCADA/communication infrastructure on several projects including Primary & Secondary Sustaining Project, Solid III, B3, B4, Non-Process Facility Modernization, Truck Scale, etc.
- Participated in establishing new procedures and process and monitoring tools that will potentially reduce energy use by 10% by 2029. This aligns with the NCPCP energy reduction plan.
- Worked with automation engineers to update SCADA development/production databases, which include basic ordering agreements and new projects throughout NCPCP, such as MCC/DC improvements and the UV Disinfection project.
- Reviewed facility modernization proposals related to SCADA network infrastructure, phone, cable, etc. including Primary & Secondary rehab, Accotink Odor Control, Solids 3, truck Scale, B3 & B4, None-Processing facility renovation, and plant wide process camera system.
- Provided support to SCADA consultants and contractors at the NCPCP and WCD pumping stations. In FY 2023 a total of 230 SCADA system configuration change requests have been completed, including iFIX database modifications, iHistorian database modifications, IGS drive configurations, and SCADA network switch configurations.
- In FY 2023, around 200 new assets have been added with PMs for new plant assets from multiple projects including Solids III and MCC/DC projects.
- Maintained Wastewater Management IT infrastructure with the latest Microsoft security and patch updates.
- Provided effective computer and user support for the entire Wastewater Management Program business area.

In FY 2024, the IT Branch will:

- Continue implementing secure measures to prevent cyber-attacks and provide local operational control to ensure continuous operation.
- Continue the effort to upgrade Wastewater SCADA system iFix5.9 to version 2023, iHistorian 2022 on Windows 2022 server OS.
- Continue working with DIT to deploy two new FFX Core switches and two new SCADA switches for A2 Room 201 and E2 server room; enable the network redundancy for the plant data centers.
- Continue working with DIT/QCI and Siemens to create a dedicated local network for the HVAC system, which will be fully tested and moved into production in 2024.
- Continue working with ESB and WDCD engineers to complete and make the E2 server into the redundant server room for A2 data center.



- Continue enhancing the laboratory chemical inventory and usage tracking system for the EML.
- Continue working with the ESB on a variety of plant construction projects to deploy and establish new single mode fiber optic network communications to gradually replace the multi-mode fiber optic network communications.
- Continue working with DIT and ESB on plant radio and PA system upgrade.
- Continue working with ESB on NCPCP copper line and fiber optic communication system engineering drawing project.
- Continue working with ESB on NCPCP security camera system enhancement in areas of B3 and B4 projects.
- Continue working with Siemens HVAC vendor, DIT, QCI and plant HVAC team to upgrade and secure the LAB HVAC network infrastructure.
- Continue developing and improving Power BI capabilities and implementation to support effective information management reporting.
- Continue implementing the customized calibration interface in HxGN EAM application for the NCPCP maintenance staff.
- Work with automation engineers to update SCADA development/production databases, which include BOA and new projects throughout the NCPCP.
- Continue supporting the iPACS public web application for Wastewater Industry Waste Pretreatment session.
- Provide support to SCADA consultant/contractors at the NCPCP and WCD pumping stations.
- Maintain Wastewater Management IT infrastructure with the latest Microsoft security and patch updates and personal computer replacement program.

2.8 Human Resources/Organizational Development/Safety Section

The Human Resources (HR) Section of WCD serves as a centralized HR service for all Wastewater Management (WWM) for recruitment, payroll processing, employee relations matter, workforce planning and general HR management functions. The Human Resources team coordinates with both DPWES HR and County HR to make sure WWM is operating in accordance with County and DPWES policies and guidelines.

2.8.1 WCD HR/OD/Safety Section

WCD continued with its admirable safety record in FY 2023. Compared with FY 2022, improvements were seen in the Total Recordable Incident Rate (TRIR) and Days Away Restricted or Transferred (DART) cases.

Safety training is a continual element within the Safety and Emergency Management (SEM) program no matter the particular fiscal year. What added to the difficulty in conducting training during this period was the presence of the coronavirus/COVID 19 in the community at large. In person individual and group training sessions were greatly curtailed. However, in person mandatory trainings, such as the Virginia Department of Transportation work zone trainings, were still held on occasion. But all participants had to meet the stringent personal protective equipment (PPE) requirements in place at the time.

FY 2023 also added greatly to the demands of the SEM section in meeting the inventory levels (PPE and related sanitation products) needed to support WCD operations while under the auspices of the Virginia Occupational Safety and Health Administration temporary COVID 19 standard. Hand sanitizer, plastic barrier shields, disinfectant sprays and face masks (cloth and KN95 masks, for example) were in great demand and short supply. The SEM section was supported greatly by the efforts of its in-house warehouse staff and the single point ordering system set up by the department (Department of Public Works and Environmental Services).

DriveCam (cameras in division vehicles monitoring individual driving behaviors) results continue to be encouraging in that the WCD seems to be experiencing a reduction in vehicle related accidents and losses. Handheld cell phone use continues to be monitored and addressed, as needed.

2.8.2 WTD HR/OD/Safety Section

In FY 2023, WTD performed approximately 315,660 hours of regular time and 7,412 overtime/compensatory leave (24/7/365) hours of work.

WTD experienced no property damage incidents, seven minor recordable injures, one lost time injury, and seven COVID-19 Occupational Safety and Health Administration (OSHA) reportable cases.

The WTD Process Safety Management (PSM) program was reviewed with complete Process Hazard Analysis (PHA) for each methanol: fill station, bulk storage location, pump room, fire suppression system, and electrical distribution center. Process Safety Management for covered and voluntarily covered process was accomplished in accordance with 29 CFR 1910.119.

WTD Safety Office trained new hires, contractors, and visitors, providing plant safety orientation. Training included plant hazards, focusing on emergency actions, evacuations, shelter in place, hazard communications, and emergency signals. Training activities included conformance to 29CFR 1910 Industrial Operations Respiratory Program, training personnel in the use, care, and maintenance of Powered Air Purifying Respirators (PAPR), as an option for N95 respirators.

WTD Safety participated in design and review of the new B4 pump station, Accotink Odor Control Facility, and B3 odor control unit, and new facility entrance planning. WTD Safety held a safety training day, partnering with contractors, to inform plant personnel, and contractors of new hazards. New hazards awareness focused on commissioning a new liquified petroleum transfer station and bulk storage area for building K1 and K2 incinerator back-up fuel supplies.

The Hearing Conservation Program continued plant wide, with departments participating in audiogram baseline/annual testing and training. NCPCP continued with installment of administrative controls ("Noise Area" signage) with addition of hearing conservation stations, and provision of hearing protection (ear plugs/muffs) at entrances to high noise areas.

2.9 DPWES GIS Services Team

The GIS Services team serves the entire DPWES department and directly supports the Wastewater Management Program's GIS operations and initiatives. This includes a diverse set of tasks such as completing operational service requests for physical asset data and records capture, updates, analysis, and data modeling, training, database management, application development and integration, and recommendation of GIS software and products. The GIS Services team maintains approximately 100 GIS enterprise geodatabase layers and records, and approximately 30 GIS applications.

GIS Services team initiatives completed in FY 2023 include:

- Completion of a five-year department-wide strategic GIS road map.
- Integrated GIS into CPMIS (CIP construction project management) to track projects and progress spatially.
- Built and published the backend web GIS services to support the implementation of Cityworks.
- Created a data access application using Experience Builder for contractors to access sensitive wastewater GIS data.
- Conceptualized and piloted a GIS community of practice and learning within the county to assist users with the transition from ArcMap.
- Planned and socialized updates with senior management to the GIS data model to accommodate emerging business needs.
- Migrated many ArcMap users to web GIS and ArcGIS Pro.
- Developed internal Quality Assurance/Quality Control (QA/QC) scripts to improve weekly data editing processes on GIS attribute data.
- Completed thousands of as-built attribute updates to support a county-wide all pipes model.
- Developed county-wide authoritative GIS data policy and publishing / consumption model.

In FY 2024, the GIS Services team plans to continue moving users to new desktop technology and push forward with the transition to web GIS. Expected initiatives are to:

• Continue to support the implementation of the Cityworks (work order management) by providing GIS web services and back-end data management.



- Implement a full-scale GIS community of practice and learning throughout the county to support users in the migration from ArcMap.
- Develop an office GIS viewer with tools, layers, and focus on department workflows and needs.
- Migrate off ArcMap by March 2025. Incorporate modern ArcGIS pro technologies into data management workflows including trace and/or utility networks, workflow manager, tasks, and data reviewer.
- Execute a county-wide authoritative GIS data policy and publishing / consumption model.
- Support the county's migration to ArcGIS Enterprise 11.1.

2.10 Wastewater Flows and Treatment Capacity

A significant portion of the wastewater generated in Fairfax County is treated by surrounding jurisdictions, and the County, in turn, treats flows from several other jurisdictions at the NCPCP. These arrangements are administered through inter-jurisdictional agreements and are designed to maximize the benefit of the wastewater treatment dollar for the County and the region. The County has agreements to convey its wastewater to the following facilities for treatment:

- DC Water's Blue Plains Advanced Wastewater Treatment Plant (AWTP) (Washington, DC).
- Alexandria Renew Enterprises' Water Resources Recovery Facility (AlexRenew WRRF) (Alexandria, VA).
- Arlington County Water Pollution Control Plant (WPCP) (Arlington, VA).
- Upper Occoquan Service Authority (UOSA) Millard H. Robbins, Jr. Water Reclamation Plant (RWRP), (Centreville, VA).
- Prince William County Service Authority (PWCSA) Advanced Water Reclamation Facility (AWRF) (Prince William County, VA).
- Harbor View Wastewater Treatment Plant (WTP) (Fairfax County, VA).
- Loudoun Water Broad Run Water Reclamation Facility (WRF) (Loudoun County, VA).

The County also has agreements to treat flows from the following entities either at the NCPCP or a portion of its allowed capacity at other facilities:

- Fairfax City.
- Fort Belvoir.
- Town of Vienna.
- Fairfax County Water Authority.

- Covanta/ERR Facility.
- Town of Herndon agreement to utilize a portion of Fairfax County's treatment capacity at Blue Plains.
- Arlington County agreement to utilize a portion of Fairfax County's treatment capacity at Blue Plains.

2.10.1 Treatment Capacity Status and Sufficiency

The following paragraphs describe the capacity status and sufficiency of each of the treatment plants that receive County flows.

Fairfax County - Noman M. Cole, Jr. Pollution Control Plant

NCPCP serves the Accotink, Pohick, Long Branch, Little Hunting and Dogue Creek drainage basins. In addition to flows originating within the County, the plant also treats sewage from the City of Fairfax, Fort Belvoir, and part of the Town of Vienna. The NCPCP was put into service in 1970 with an initial design capacity of 18 MGD, which was subsequently increased to a rating of 36 MGD of advanced treatment in 1978, and 54 MGD in 1995. To meet the anticipated needs for sanitary sewage service in sewersheds that contribute to the NCPCP, as well as meet new water quality standards for nitrogen control, expansion of the plant to 67 MGD was initiated in 1992. Construction began in 1997 and was completed in 2005. Since then, construction has been completed to meet additional enhanced nutrient removal requirements. A phased approach is underway to renovate and upgrade current facilities to maintain current operations, as well as expand the current facility to 80 MGD in the future. The NCPCP is currently capable of handling anticipated flows from its contributory sheds through 2040.

Alexandria Renew Enterprises - Water Resources Recovery Facility

The Cameron Run and Belle Haven sewersheds and the City of Falls Church, while included in the Fairfax County sewershed, are treated by the AlexRenew WRRF. The AlexRenew WRRF has been expanded and upgraded to provide 54 MGD of advanced treatment capacity. Fairfax County is allotted 32.4 MGD (60%) of this capacity.

By activating the Braddock Road and Keene Mill Road pumping stations, the County has the capability to divert flow from the Accotink sewershed to the AlexRenew WRRF. These diversions increase operational flexibility in the entire eastern portion of the County by providing the option of off-loading a portion of the flows that would otherwise go to the NCPCP and Blue Plains AWTP to the AlexRenew WRRF. The County's existing capacity at the AlexRenew WRRF is capable of handling anticipated flows from its contributory sewersheds through 2040.

Arlington County - Water Pollution Control Plant

The Arlington County WPCP serves the portion of Fairfax County within the Four Mile Run sewershed. The plant has been expanded and upgraded to 40 MGD of advanced treatment capacity including nitrogen removal. The construction of the 40 MGD upgrade and nitrogen removal project was completed in 2013.



The County's existing contractual capacity at the Arlington plant is 3.0 MGD, which is sufficient for anticipated flows from its contributory sewersheds through 2040.

DC Water - Blue Plains Advanced Wastewater Treatment Plant

With a current average daily flow capacity of 370 MGD, the DC Water AWTP is the largest plant in the DC Metro area. In addition to DC, it treats flows from Maryland, Virginia, and several federal installations. Wastewater flows originating in the Sugarland Run, Horsepen Creek, Scotts Run, Dead Run, Turkey Run, and Pimmit Run sewersheds are treated at the Blue Plains AWTP. Fairfax County is presently allocated 31 MGD at the plant. Blue Plains AWTP completed major renovations and improvements to the nitrogen removal processes, chemical feed and sludge disposal systems. The County's flows to Blue Plains AWTP are continually monitored to determine if additional capacity is required at Blue Plains AWTP or Loudoun Water.

<u>Upper Occoquan Service Authority – Millard H. Robbins, Jr. Regional Water Reclamation Plant</u>

The southwestern part of Fairfax County is served by a regional plant owned and operated by UOSA. When the UOSA plant expanded to 54 MGD, the County's flow allocation was increased to 27.6 MGD. Since that time, 5.5 MGD of this share has been sold to Prince William County and the City of Manassas, leaving the County with an allocation of 22.1 MGD. The County's current share in the UOSA plant is sufficient for anticipated flows from its contributory sewersheds through 2040.

<u>Prince William County Service Authority – H.L. Mooney Advanced Water Reclamation Facility</u> (AWRF)

The southernmost section of Fairfax County is served by the H.L. Mooney AWRF, which is owned and operated by the PWCSA. Fairfax County is presently allocated 0.1 MGD at the H.L. Mooney AWRF.

Colchester Utility, Inc. - Harbor View Wastewater Treatment Plant

The Harbor View WTP, owned by Colchester Utility Inc., treats flows from Harbor View, a small community in the southeastern part of the County. Fairfax County is presently allocated 0.08 MGD at the plant.

Loudoun Water - Broad Run Water Reclamation Facility

The northern portion of Fairfax County is currently served by the Blue Plains AWTP and the NCPCP. To provide additional capacity for the northern service area of Fairfax County, the County has purchased 1.0 MGD of capacity from Loudoun Water. As noted previously, flows to the Blue Plains AWTP are continually monitored to determine if additional capacity should be purchased from Loudoun Water. Currently the County is not using the Loudoun Water capacity, but the use of the capacity is anticipated in the future as the County's flows approach its allocation at Blue Plains AWTP.

2.10.2 Flow and Capacity Summary

Table 2-3 summarizes the total wastewater treatment capacity available to Fairfax County, along with the historical and estimated future wastewater flow rates at the NCPCP and at each of the other facilities that treat wastewater from Fairfax County. The County provides service to several wholesale customers, referred to as "Sales of Service." The treatment capacity available to the County is sufficient to meet expected demands during the forecast period.

Table 2-3: Capacity and Flow Rates of the Wastewater Management Program, FY 2022 - FY 2026

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
	Actual	Actual	Projected	Projected	Projected
	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)
NCPCP	67.00	67.00	67.00	67.00	67.00
			tractual Capaci		07.00
Inter-ourisuit	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
	Actual	Actual	Projected	Projected	Projected
	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)
AlexRenew WRRF	32.40	32.40	33.40	33.40	33.40
DC Water Blue Plains AWTP	31.00	31.00	31.00	31.00	31.00
Arlington WPCP	3.00	3.00	3.00	3.00	3.00
UOSA RWRP	22.10	22.10	22.10	22.10	22.10
Harbor View WTP	0.08	0.08	0.08	0.08	0.08
PWCSA AWRF	0.10	0.10	0.10	0.10	0.10
Loudoun Water Broad Run WRF	1.00	1.00	1.00	1.00	1.00
Total Inter-Jurisdictional Capacity	89.68	89.68	90.68	90.68	89.68
Total Capacity Available	156.68	156.68	159.68	159.68	156.68
Actual and Projected				-	1
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
	Actual	Actual	Projected	Projected	Projected
NOROD	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)
NCPCP	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
County	34.17	26.59	34.58	31.04	31.23
Sales of Service Pump-over from Little Hunting Creek	4.39 0.00	7.07 3.67	5.38 0.91	5.64 1.53	5.04 0.91
Difficult Run Pumpdown	0.00	0.00	0.00	0.00	0.91
Pump-over to AlexRenew WRRF	0.00	0.00	0.00	0.00	0.00
Total to NCPCP	38.55	33.67	39.94	36.69	36.26
AlexRenew WRRF	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
County	16.34	12.60	16.57	14.79	14.89
Sales of Service	1.00	0.96	1.05	1.03	1.05
Pump-over from Accotink	0.00	0.00	0.02	0.00	0.02
Total to AlexRenew WRRF	17.35	13.56	17.64	15.82	15.96
DC Water Blue Plains AWTP	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
County	23.80	23.10	24.66	23.79	24.22
Sales of Service	3.90	3.55	4.03	4.00	4.03
Difficult Run Pumpdown	0.00	0.00	0.00	0.00	0.00
Total to DC Water Blue Plains AWTP	27.70	26.65	28.68	27.76	28.25
UOSA RWRP	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
County	12.30	11.18	12.45	12.04	12.12
Sales of Service	0.14	0.19	0.14	0.16	0.16
Total to UOSA RWRP	12.44	11.38	12.59	12.20	12.27
Arlington WPCP	2.17	2.09	2.19	2.20	2.17
Loudoun Water Broad Run WRF	0.00	0.00	0.00	0.00	0.00
Other (PWCSA AWRF and Harbor View WTP)	0.05	0.03	0.04	0.04	0.04
Total System Flow	98.26	87.37	101.08	94.66	94.95
Available Capacity for Growth	58.42	69.31	56.60	63.02	61.73

County-Owned Treatment Plant Capacity

FINAL SEWER SYSTEM CERTIFICATION REPORT FOR FISCAL YEAR ENDED JUNE 30, 2023 PROJECT NO. 31567-005



3. Operational Excellence

Collectively, each Division contributes to the overall success and operational excellence achieved by the Wastewater Management Program. The Wastewater Management Program's accomplishments are recognized at the national, regional, and agency-wide levels through awards, accreditations, and ratings. Operational excellence is also demonstrated through measurable improvements in surface water quality and aquatic habitats in the County, and increased level of public awareness. WTD, WCD, and WPMD work together to maintain a safe and healthy environment for County residents and promote environmental stewardship within the County.

3.1 Recognitions

In FY 2023 the Wastewater Management Program maintained an excellent operating record. In 2016, the program was one of the inaugural utilities that received recognition as a Wastewater Utility of the Future by the National Association of Clean Water Agencies (NACWA) and WEF. This recognition is based on an organizational culture and achievements that support more efficient operations, enhanced productivity, and long-term sustainability. The NCPCP has consistently met all discharge compliance requirements mandated under the Virginia Pollutant Discharge Elimination System (VPDES), and WTD received a NACWA Peak Performance Award for the 37th consecutive year.

WCD's comprehensive maintenance and lining program continues to serve the rate payers, and the County outperforms the industry standard of 4.3 backups/overflows per 100 miles. In FY 2023, the County documented 0.67 sewer backups/overflows per 100 miles of pipe.

The Virginia Department of Environmental Quality (DEQ) also recognized the Wastewater Management Program's commitment to superior environmental performance and environmental leadership in FY 2023 by maintaining the Wastewater Management Program's E4 status.

The Environmental Monitoring Branch supports both WCD and WTD by maintaining certifications under the VELAP.

The Program continues its efforts in fiscal accountability as demonstrated by the Certificate of Achievement for Excellence in Financial Reporting awarded by the Government Finance Officers Association for the FY 2022 ACFR. FY 2023 ACFR is currently under review. The program has received this certificate for 19 consecutive years. The Integrated Sewer System did not issue any new bonds in FY 2023. The AAA Bond Ratings from Fitch, Standard & Poor's (S&P), and Moody's issued in FY 2017 were maintained by the Wastewater Management Program. The Program's rigorous financial planning has resulted in average household sewer bills that are below the regional average and a debt coverage ratio well above the industry average.

In FY 2022, the Wastewater Management Program's WTD and WCD warehouses maintained a 100% accuracy rating for the Accountable Equipment Site Visit conducted between March and May 2023. Staff have been trained to report any movement of accountable equipment (additions, disposals, transfers, etc.) using an Inventory Maintenance Report.

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The Wastewater Management Program also supported the County's DPWES successful effort to achieve the APWA Accreditation. The accreditation process is a voluntary program that uses self-assessment as a means of formally verifying and recognizing public works agencies for compliance with the industry-wide recommended practices. In FY 2021, Fairfax County's DPWES achieved reaccreditation. DPWES first achieved accreditation in August 2016. DPWES is one of only nine in Virginia and one of 163 public works departments in the United States and Canada that are accredited by the APWA. Reaccreditation is awarded for the ensuing four-year period.

3.2 Realizing Fishable and Swimmable Watersheds

Municipal wastewater management programs are constantly challenged in ensuring that the expenditure of funds to meet environmental stewardship responsibilities, and the corresponding actions supported by these resources, achieve their intended purpose. Meeting environmental regulatory requirements is a critical mission in this journey. However, answering the more vexing question of whether or not these resources, actions, and compliance protect and enhance (and if so to what extent) the ecological health of the municipality's watersheds that receive treated effluent, requires a more comprehensive commitment.

In FY 2023, the Wastewater Management Program continued to assist in fulfilling this obligation, in partnership with George Mason University, through a longitudinal (40-year) ecological study of Gunston Cove. The Cove is a freshwater embayment that receives the treated effluent (through Pohick Creek) from the NCPCP. Blue-green algal blooms in the Cove were prevalent in the early 1980's indicating an advanced stage of eutrophication with limited submerged aquatic vegetation; as well as reduced pH, dissolved oxygen, and water clarity; and periodic fish kills. The study has enabled the simultaneous tracking of major improvements in water quality, biological resources, and aquatic habitat of the Cove commensurate with a multitude of treatment, conveyance and wastewater management enhancements that substantiate the County's efforts to transform its publicly owned treatment works.

As a major treated wastewater discharger into the tidal Potomac River (through Gunston Cove), Fairfax County was recognized in "*An Ecological Study of Gunston Cove 2018*," as "proactive in decreasing nutrient loading since the late 1970's." As shown in Figure 3-1, the County's proactive and successful process improvements at the NCPCP have reduced nutrient loadings to Gunston Cove over decades, which has been attributed to positive ecological benefits exhibited at Gunston Cove.



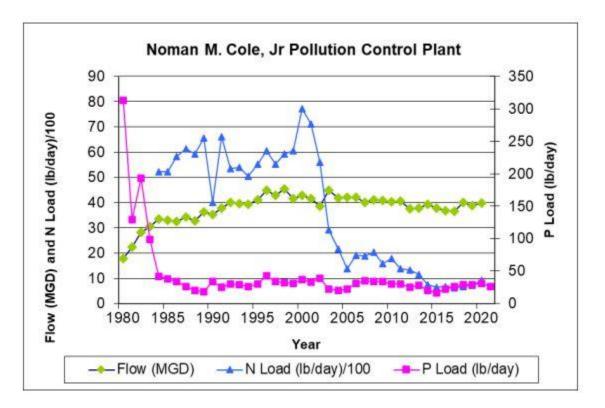


Figure 3-1: Historical Effluent Nutrient Loads at the NCPCP

The report "An Ecological Study of Gunston Cove 2019" published in 2020 states "phosphorus loadings were dramatically reduced in the early 1980's. In the last several years, nitrogen, and solids loadings as well as effluent chlorine concentrations have also been reduced or eliminated. These improvements and trends show that the strong wastewater management efforts and investments of the County are successfully helping to restore the embayment's habitat. This ongoing study provides documentation of major improvements in water quality and biological resources which can be attributed to these efforts in spite of the increasing population and volume of wastewater produced."



4. FY 2023 Budget

4.1 Wastewater Management Program Funds

Hazen examined the FY 2024 Adopted Budget for the Wastewater Management Program to assess the adequacy of funding to support its projected level of operation and maintenance costs. A general description of the system's outstanding debt service and funding structure is provided below, followed by a review of the FY 2024 Adopted Budget (by cost center) and a review of historical trends in Wastewater Management Program costs.

As of June 30, 2023, the system's outstanding debt was \$1.07 billion: \$755.6 million in Sewer Revenue Bonds, \$29.2 million in Subordinate Economic Development Authority (EDA) Fairfax County Revenue Bonds, and \$288.7 million in Subordinate Obligation UOSA outstanding debt.

The Wastewater Management Program is funded through seven separate sewer funds established by the County for financial and budgeting purposes. The sewer funds were reorganized with the adoption of the Sewer Bond Resolution in July 1985 and the defeasance of the 1954 Sewer Bond series in August 1986. Then, in FY 1998, the funds were restructured as part of an upgrade of the County's accounting computer system. Each of the funds is briefly described below.

4.1.1 Fund 69000 – Sewer Revenue

All operating revenues are credited to Fund 69000 Sewer Revenue. Except for interest earned from the balances of funds 69020, 69030, 69040 and 69310 (described in the following pages), interest on invested fund balances is credited to Fund 69000. Revenue receipts include lateral spur fees, sales of service fees, availability charges, connection charges, sewer service charges, miscellaneous revenue, sale of surplus property, and interest on investments. Receipts of Fund 69000 are then disbursed to Funds 69010, 69020, 69040, 69300, and 69310 to finance operations, debt service and construction. Any balance that remains after those transfers remains in Fund 69000 and is used for future year requirements and required reserves. From the FY 2024 Adopted Budget Plan, total revenues of \$281,988,500 are projected for FY 2024. An estimated total reserve balance of \$131,622,268 is projected for FY 2024.

4.1.2 Fund 69010 – Sewer Operation and Maintenance

Fund 69010 - Sewer Operation and Maintenance, provides funding for operational expenses of the Wastewater Management Program. This includes personnel services, operational expenses, and capital equipment for all divisions (WCD, WTD and WPMD) and Treatment by Contract expenditures. A total expenditure of \$125,869,695 was adopted for FY 2024 for Fund 69010.

4.1.3 Fund 69020 – Sewer Bond Parity Debt Service

Fund 69020 - Sewer Bond Parity Debt Service, records debt service obligations incurred from bonds issued in accordance with the 1986 Sewer Bond Resolution. Bond proceeds are used to fund capital improvement



requirements of the Wastewater Management Program including upgrades to treatment facilities. At the quarterly review, necessary adjustments are made to this fund to support new initiatives of the Wastewater Management Program. In FY 2024, \$40,104,264 is required to fund \$16,100,000 in principal payments, \$22,260,481 in interest payments, and \$30,000 in Fiscal Agent Fees associated with outstanding 2014, 2016, 2017, 2021A, 2021B, and planned 2024 Sewer Revenue Bonds.

4.1.4 Fund 69030 – Sewer Bond Debt Reserve

Fund 69030 - Sewer Bond Debt Reserve, fulfills the County's requirement to maintain a Reserve Fund for existing and planned sewer bonds. As outlined in the 1986 Sewer Bond Resolution, this reserve is required to be the lesser of the maximum principal and interest requirements for any bond year or 125% of the average annual principal and interest requirements for the bonds. An increase of \$15,365,475 is required for Fund 69030 in FY 2024. The required balance after the planned bond sale is \$49,023,900 to satisfy the legal reserve requirements for the 2014 Sewer Refunding Bonds, the 2016 Sewer Refunding Bonds, the 2017 Sewer Revenue Bonds, the 2021A Sewer Revenue Bonds, the 2021B Sewer Refunding Bonds, and the planned 2024 Sewer Revenue Bonds.

4.1.5 Fund 69040 – Sewer Bond Subordinate Debt Service

Fund 69040 - Sewer Bond Subordinate Debt Service, was created in FY 1992 to keep separate all debtservice payments associated with the UOSA Revenue Bonds and the Stormwater/Wastewater Facility Economic Development Authority (EDA) revenue bonds. The UOSA Bond Series covers the County's portion of the cost of UOSA's plant expansion to 54 MGD. The EDA revenue bonds were issued to finance the construction of a consolidated Stormwater and Wastewater Facility.

Funding in the amount of \$22,321,942 will provide for the FY 2024 principal and interest requirements including an amount of \$20,784,567 for the UOSA plant requirements, and \$1,537,375 for the Stormwater/Wastewater Facility Economic Development Authority revenue bond. UOSA debt for bond series 2016B is structured such that no principal payments are made during the construction phase of the project, interest is capitalized, and principal payments begin once construction is substantially complete.

4.1.6 Fund 69300 – Sewer Construction Improvements

Fund 69300 - Sewer Construction Improvements, provides for sewer system construction, upgrades, and extension and improvement projects that are funded by system revenues (Fund 69000). This fund includes the costs associated with rehabilitation of pump stations and force mains, integrated sewer metering, collection system extension, improvement, replacement and rehabilitation, large diameter pipe replacement and rehabilitation, funding of the sewer sag program, and upgrade/rehabilitation at the NCPCP and the County's pro rata share of wastewater flow to Treatment by Contract. For FY 2024 \$90,000,000 was adopted to provide funding for the projects.

4.1.7 Fund 69310 – Sewer Bond Construction

Fund 69310 - Sewer Bond Construction, was established in FY 1987 to provide bond funding for major expansions and improvements to existing wastewater treatment facilities used by Fairfax County residents. In recent years, this fund has been used for nitrogen removal and plant upgrades for the County's share of wastewater flow to Treatment by Contract facilities. Funding is supported via revenue bonds from Fund 69310 Sewer Bond Construction or by cash from Fund 69300 Sewer Construction Improvements.

Based on the current schedule of identified and active projects, it is planned that approximately \$227,100,000 in Sewer Revenue Bonds will be sold in FY 2024 to support the upgrade and improvement projects for Treatment Plants, the Conveyance System Capacity Expansion program, and the Wastewater Developers Reimbursement Program. The anticipated Sewer Revenue Bonds sale includes \$211.7 million in this fund and approximately \$15.4 million to be reserved in Fund 69030, Sewer Bond Debt Reserve, for legal requirements. The funding supports reinvestment in the NCPCP and other treatment plants necessary to maintain regulatory compliance requirements as they pertain to the Clean Water Act, Chesapeake Bay Preservation Program, and Title V of the Clean Air Act. The renovation program follows the NCPCP's Master Plan to evaluate and prioritize projects.

4.2 Wastewater Management Program Budget

A total budget of \$125,869,695 was adopted in Fund 69010 for the FY 2024 operations and maintenance of the Wastewater Management Program. This budget is split between the three Divisions, with Treatment by Contract (TBC) included under WPMD, as shown in Figure 4-1.

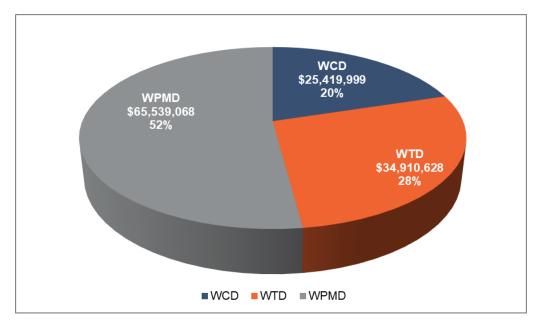


Figure 4-1: FY 2024 Adopted Budget by Division

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The County has continued to improve its budget process by providing clear goals, overviews, objectives, and performance indicators for each agency. The County tracks four types of performance indicators for the Wastewater Management Program on an annual basis: output, efficiency, service quality, and effectiveness. This empowers the Wastewater Management Program to measure criteria related to the quality of service provided to its customers, as well as to develop a database upon which strategic analyses and intelligent decisions can be made.

Table 4-1 presents the Wastewater Management Programs operations budget from FY 2022 through FY 2024. The budgeted amounts by Division for FY 2023 are comparable to those in previous years, considering inflationary impacts to operational expenses and overall growth in the program.

Cost Center	FY 2022 Actual	FY 2023 Revised	FY 2024 Adopted
Wastewater Collection Division (WCD)	\$17,260,488	\$25,666,533	\$25,419,999
Wastewater Treatment Division (WTD)	\$26,191,037	\$34,107,588	\$34,910,628
Wastewater Planning and Monitoring Division (WPMD; includes TBC)	\$59,022,233	\$73,340,873	\$65,539,068
Total	\$102,473,758	\$133,114,994	\$125,869,695

 Table 4-1: Wastewater Management Program FY 2022 - FY 2024 Budget

Budgets for other cost centers have also risen modestly relative to previous fiscal years. Budgets for all cost centers appear to be reasonable and adequate for the Wastewater Management Program to perform its assigned functions. The expense history of the Wastewater Management Program reflects the stability and cost consciousness of the organization. Figure 4-2 shows long-term trends in actual Operations and Maintenance expenditures of the Wastewater Management Program and its divisions (unadjusted for inflation). Despite recent inflationary pressures, costs continue to remain stable. Costs for WCD and WTD are driven by personnel costs, while WPMD costs are driven by TBC and billing agent fees (BAFs).



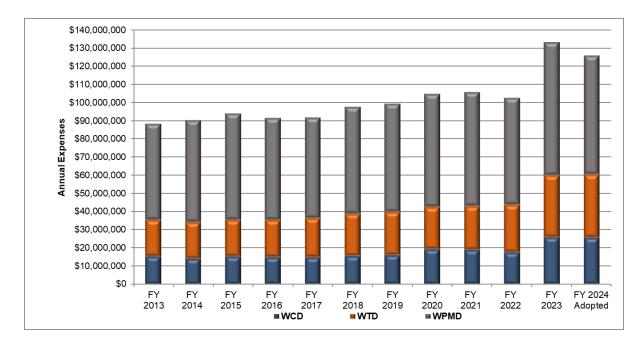


Figure 4-2: Wastewater Management Program O&M Expenses

Note: WPMD expenses include TBC expenses.

5. Capital Improvement Program FY 2024 – FY 2028

5.1 Capital Improvement Program (CIP)

The CIP is updated every year and is linked strategically to the Fairfax County Comprehensive Plan and the County's Budget. It is a five-year roadmap that addresses the Wastewater Management Program's needs relating to the acquisition, expansion and rehabilitation of facilities and systems. It serves as a planning instrument to identify needed capital projects and to coordinate the financing and timing of improvements to optimize its financial resources. The CIP is a "blueprint" for the future of the community and is used as a dynamic tool, rather than a static document.

The underlying strategy of the CIP is to plan for land acquisition, construction, and maintenance of public facilities necessary for the safe and efficient provision of public services in accordance with broad policies and objectives adopted in the County's Comprehensive Plan. The primary goals of the Wastewater Management Program's CIP are summarized as follows:

- Provide treatment facilities that meet applicable effluent discharge standards in the most costeffective manner possible.
- Provide a system of conveyance and treatment facilities that is responsive to the development goals of the adopted Comprehensive Plan.
- Carry out the necessary renovation and improvements that will permit the entire system to function at a high level of efficiency.

While the CIP serves as a long-range plan, it is reviewed semi-annually and revised based on current circumstances and opportunities. Priorities may change due to funding opportunities or circumstances that cause a more rapid deterioration of a particular asset. Projects may be revised for significant costing variances as the needs of the community become more defined and projects move closer to final implementation. The COVID-19 pandemic is an example of an event triggering a reevaluation of CIP project priorities and scheduling, but these changes did not impact operational goals. The adoption of the CIP is a basic tool for scheduling anticipated capital projects and capital financing and is a key element in planning and controlling future debt service requirements.

5.2 CIP Funding

Funding for the CIP is derived from three sources: current system revenues, the sale of revenue bonds, and grant funding. The Wastewater Management Program uses current system revenues on a "pay as you go" basis to fund most capital improvements. This has particularly been true for recurring capital projects, such as capital replacement and rehabilitation projects, extension, and improvement (E&I) projects and general system improvement projects. Major capital initiatives such as system expansion and regulatory compliance projects have been funded using sewer revenue bonds that are payable solely from the revenues of the Integrated Sewer System.

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The Wastewater Management Program actively manages its outstanding debt by refinancing to take advantage of lower interest rates or retiring debt to manage its debt service coverage. While federal and state grants were extensively used to fund the construction programs of the 1970s and 1980s, the financial burden of future programs will fall heavily on the County due to scarcity of federal grant funds. While grant funding options are still being pursued, the Wastewater Management Program has conservatively assumed that no state or federal grant funding will be available to help offset the cost of compliance with the Chesapeake Bay Program.

As discussed in Section 4.1, based on the current schedule of identified and active projects, the bond proceeds from the FY 2021 bond sale should support the capital projects at NCPCP. Sewer revenue bonds will be used to provide funds for expanding treatment facility capacity at both County-owned and County-contracted facilities. To date, the County has issued revenue bond debt for the following treatment plant expansions:

- In June 2001 and June 2002, a total of \$90 million in State Revolving Fund/Virginia Resources Authority debt was issued to support the County's share of plant upgrades at the AlexRenew WRRF.
- In July 2009, \$152.3 million in revenue bond debt was issued to support the County's share of the plant upgrades at DC Water Blue Plains AWTP, Arlington WPCP, and AlexRenew WRRF, as well as the NCPCP to comply with the nitrogen discharge limits as defined in the Chesapeake Bay Program.
- In August 2012, \$90.7 million in revenue bond debt was issued to support the County's share of the plant upgrades at DC Water Blue Plains AWTP, AlexRenew WRRF, as well as the NCPCP to comply with the enhanced nutrient discharge limits as defined in the Chesapeake Bay Program.
- In April 2014, the County took advantage of lower market interest rates and issued \$61.8 million of Sewer Revenue Refunding Bonds to retire the remaining \$69.8 million of the outstanding Series 2004 Bonds.
- In May 2016 the County refinanced approximately \$123.1 million of the outstanding Sewer Revenue Bonds, Series 2009 and \$46.7 million of the outstanding Sewer Revenue Refunding Bonds, Series 2016A. The refinancing resulted in an average reduction to the annual debt service (interest expense savings) of approximately \$1.4 million annually through FY 2040.
- In June 2017, \$85.8 million in revenue bond debt was issued to provide funds for additions, extensions and improvements to the Fairfax County's sewage collection, and treatment systems including the NCPCP, paying capital improvements costs allocable to the County at other regional treatment facilities that provide service to the County, and purchasing additional capacity if deemed necessary.
- In June 2021, the System issued \$192.0 million of Series 2021A Sewer Revenue Bonds to provide funds for certain additions, extensions and improvements to the County's sewage collection, treatment and disposal systems, and capital improvement costs allocable to the County at certain wastewater treatment facilities that provide service to the County.



- In June 2021, the System took advantage of lower market interest rates and issued \$24.2 million of Series 2021B Sewer Revenue Refunding Bonds to advance refund \$28.6 million of the outstanding Series 2012 Sewer Revenue Bonds.
- As of June 30, 2022, the County is responsible for \$221 million in debt to support the expansion and upgrade of the UOSA treatment plant. A regional facility, UOSA issues its own bonds that are used to finance the expansion and upgrade projects. The participating members of UOSA (Fairfax County, Prince William County Service Authority, City of Manassas, and Manassas Park) are responsible for the debt service on the UOSA bonds on capacity owned at the facility.

5.3 Historical CIP Trends

An overview of historical trends in the Wastewater Management Program's CIP spending can be used to understand the changing priorities and relative costs of multiple categories of capital improvements over time. Figure 5-1 shows historical CIP construction activity for the last 10 years and FY 2024 projections categorized by the type of project:

- NCPCP Rehabilitation, Replacement, and Upgrades.
- Treatment by Contract.
- Sewer Line Extensions.
- Pump Stations and Force Mains.
- Sewer Repair and Rehabilitation.

Until FY 2019, costs associated with purchased capacity (Treatment by Contract) were the primary component of CIP spending.

- Total spending in FY 2013 was similar to total spending in FY 2011 and FY 2012, but with slight increases in projects associated with the purchased capacity facilities and decreases in spending on the NCPCP improvements.
- In FY 2014, there was a large increase in total spending, with the largest increases in projects associated with Treatment by Contract and the NCPCP improvements.
- Spending decreased in FY 2015 as many capital projects in the design phase did not progress to the construction phase as anticipated during budget preparation.
- In FY 2016, spending on the NCPCP capital projects remained constant, and expenditures on collections systems capital projects was less than projected. There was a 17% increase in Treatment by Contract costs. This is attributable to \$14.6 million associated with UOSA upgrades at the Robbins RWRP.
- In FY 2017, spending on NCPCP capital projects remained constant (\$16M), and expenditures on collections systems capital projects were less than projected. Capital costs associated with



Treatment by Contract projects decreased due to AlexRenew WRRF and DC Water Blue Plains AWTP.

- In FY 2018, overall spending decreased even with an increase in spending for NCPCP renovations and upgrades, which increased from \$33.8 million in FY 2017 to \$67.3 million in FY 2018.
- In FY 2019, overall spending decreased due to NCPCP spending, which decreased from \$67.3 to \$61.7 million in FY 2019.
- In FY 2020, overall spending increased due to Treatment by Contract and Sewer Repair and Rehabilitation spending.
- In FY 2021, overall spending increased slightly, even with a reduction in spending associated with NCPCP renovations and upgrades and sewer line extensions.
- In FY 2022, overall spending increased slightly, even with a reduction in spending associated with NCPCP renovations and upgrades and sewer line extensions.
- In FY 2023, overall spending increased due to NCPCP Rehabilitation, Replacement, and Upgrades.

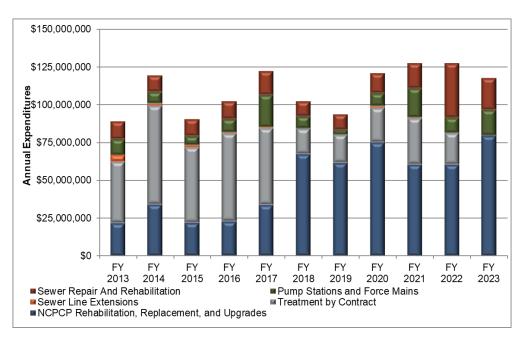


Figure 5-1: Sewer Fund Historical Construction Activity

5.4 CIP Development Process

The County's CIP development process for current and future projects involves:



- Compiling requested 5-year and 10-year CIP projects from WCD and WTD.
- Obtaining Treatment by Contract capital budgets from other jurisdictions.
- Determining initial program affordability and impact on system rates.
- Identifying projects that can be deferred to lessen financial impacts.
- Developing revised general 5-year and 10-year CIP and next fiscal year's capital budget.

The County continues to use a dynamic CIP development process, whereby County staff continually reassess capital program needs, prioritization, and affordability.

5.5 Overview of Five-Year CIP Projects

The five-year CIP for FY 2024 – 2028 for the Wastewater Management Program was reviewed for this report. The five-year CIP includes treatment, collection, and pumping projects totaling approximately \$1.2 billion. Figure 5-2 below summarizes the requested five-year CIP for FY 2024 – FY 2028 on a cash flow basis. The requested CIP projects and budgets are described in this section, categorized by major project type.

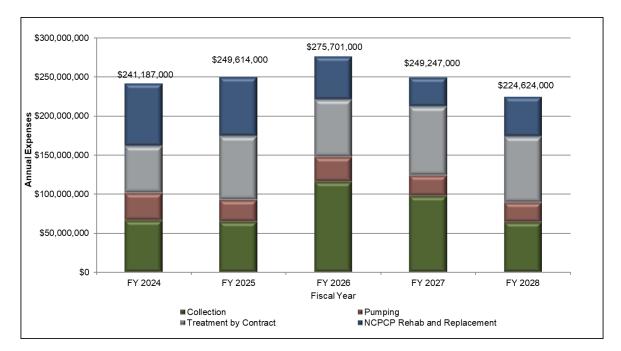


Figure 5-2: Proposed Five-Year CIP on a Cash Flow Basis



5.5.1 Wastewater Treatment Division Projects

NCPCP Construction Rehabilitation and Replacement

These projects include the continued rehabilitation of the NCPCP's assets through FY 2033. Proposed projects include replacement of and improvements to the existing biosolids facilities; replacement and upgrades to the motor control centers and electrical distribution centers; rehabilitation and replacement of the miscellaneous pumps, gates, and valves; rehabilitation of the multiple facilities; facility storm water improvements stormwater runoff improvements on plant site; HVAC upgrades to the Laboratory and Administrative Buildings; and other rehabilitation and replacement projects related to the maintenance of the wastewater treatment facility assets. The estimated cost for the rehabilitation and replacement construction in FY 2024 - FY 2033 is \$579,618,000.

5.5.2 Treatment by Contract Projects

AlexRenew WRRF Improvements

This project provides for Fairfax County's 60% share of construction costs associated with improvements at the AlexRenew WRRF. This project includes the replacement and rehabilitation of existing treatment process facilities and facilities to handle wet weather flows to avoid sanitary sewer overflows. The estimated project cost share for the AlexRenew WRRF improvements through 2033 is \$124,400,000.

DC Water Blue Plains AWTP Upgrades

This project funds Fairfax County's 8.4% share of the costs of upgrading the DC Water Blue Plains AWTP. The upgrades include major plant renovations, including the chemical addition, flow control tunnels, and sludge disposal system to meet the enhanced total nitrogen standards. Estimated project cost share through 2033 for the Blue Plains AWTP improvements is \$289,107,000.

Arlington WPCP Upgrades

This project funds Fairfax County's 7.5% share of the costs of upgrades at the Arlington WPCP. The upgrades include non-expansion capital improvements, technology enhancements, clarifier upgrades, a biosolids master plan, and the relining of a large diameter sewer line for the Four Mile Run interceptor which runs from Fairfax County to the Arlington WPCP Estimated project cost share through 2033 for the Arlington WPCP improvements is \$19,381,000.

UOSA RWRP Upgrades

This project provides for Fairfax County's 41% share of costs associated with improvements at the UOSA RWRP. Specific projects include renovations related to nutrient discharge limitations, filter press replacement, and re-carbonation clarifier improvements. FY 2024 – FY 2033 estimated debt service payment for the UOSA RWRP is \$161,917,000.

Wastewater Colchester Contributions (Mount Vernon District)

This project supports an annual contribution to the Colchester Wastewater Treatment Facility for wastewater treatment services in the Harborview community. The sewer treatment plant serving the Harborview residents is a private operator. The plant bills Fairfax County and in turn, the County bills each resident using County sewer rates. Funding was previously budgeted in Agency 87, Unclassified Administrative Expenses – Public Works Programs; however, in order to provide more transparency and the carryforward of balances at year-end, funding has been budgeted in a capital project within Fund 30010, County Construction and Contributions. This change results in no net impact to the General Fund. FY 2024 – FY 2033 estimated project cost is \$5,340,000 for this treatment.

5.5.3 Wastewater Collection Division Projects

Sanitary Sewer Replacement, Rehabilitation and Upgrade Program

This is a continuing project for replacement, repair, and rehabilitation of sewer lines. FY 2015 marked the initiation of efforts to address repair of large diameter sewer lines to prevent future pipe failures. FY 2024 – FY 2033 project costs for sanitary sewer projects are projected to be \$324,800,000.

Pump Station Improvements

This continuing project was established to fund replacement and necessary improvements to address items such as normal wear and tear, and odor control at sewage pump stations County-wide. The goal of these improvements is not to increase capacity at the pump stations but to address continual rehabilitation and equipment upgrade needs or improve the stations to address service issues such as odor control. A total of \$287,800,000 has been budgeted for pump station improvements in FY 2024 – FY 2033.

Sewer Metering Projects

Installation and rehabilitation of sewer meters is necessary to obtain billing data and identify excessive inflow and infiltration. The State Water Control Board and the Environmental Protection Agency require sewer flow data. A total of \$4,500,000 is allocated to install and rehabilitate sewer meters in FY 2024 – FY 2033.

Sewer Extension and Improvement Projects

This is a continuing project to complete sewer extension and improvement projects in sewer service areas of the County that are experiencing chronic septic system failures. \$5,000,000 is estimated to be required annually through FY 2033.

Gravity Sewer Capacity Improvements

This funding will be used to replace existing sewer lines with larger diameter sewer lines and to install new sewer lines to serve development within the County. This is a proactive program to manage the strain placed on the current sewer system due to additional load as areas develop. A total of \$341,869,000 is allocated for upsizing existing sewer lines and installing new sewer lines through FY 2033.

5.6 CIP Conclusions

The adopted CIP addresses the anticipated capital needs of the Wastewater Management Program for FY 2024 – FY 2028. Upgrades and improvements to the NCPCP, as well as inter-jurisdictional wastewater treatment facilities, required to meet growth and new regulatory requirements, have been included in the five-year CIP budget.

The annual CIP projects necessary to upgrade/rehabilitate the collection system pump stations, buildings and sewer lines are critical to maintaining system integrity and increasing reliability. Proactive, rather than reactive, rehabilitation and maintenance projects are instrumental in avoiding costly emergency response projects resulting from system failures. These initiatives allow the County to continue to meet its goals of having an efficiently operated and effectively maintained wastewater system.



6. Current and Future Rates and Revenues

6.1 Rates and Revenues

Rates and revenues are reviewed during the County's annual budget cycle to ensure compliance with the Board of Supervisors' adopted policy that "growth pays for growth." The County uses an engineer to evaluate the adequacy of sewer service charges and availability fees to recover the costs associated with the Wastewater Management Program. In general, these include capital, operation and maintenance costs, and debt service costs.

To examine the rates and revenues in place to fund the Wastewater Management Program, Hazen reviewed the Wastewater Management Program's FY 2023 Annual Comprehensive Financial Report (ACFR), the FY 2023 Annual Disclosure Report, and the Wastewater Rate Study for Fiscal Year 2024 Through Fiscal Year 2029.

The financial statements of the County of Fairfax presented in the FY 2023 ACFR were audited by an independent auditor, Cherry Bekaert LLP, a firm of licensed certified public accountants and advisors. Cherry Bekaert concluded the following:

"In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the System as of June 30, 2023, and the changes in its financial position and cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America."

The Wastewater Management Program operation and maintenance, debt service and capital projects (other than those funded by revenue bonds) are funded through availability fees and sewer service charges adopted by the County's Board of Supervisors. For the Fiscal Year ending June 30, 2023, approximately 99% of the Wastewater Management Program's operating revenues are derived from charges to new and existing customers through sewer service charges, wholesale charges, and availability fees. Wholesale users include Covanta, Fairfax Water, Loudon Water, Arlington County, Fort Belvoir, the Cities of Fairfax and Falls Church and the Towns of Herndon and Vienna. The remaining 1% of system operating revenues are derived from investment earnings and other operating revenues. Figure 6-1 shows the breakdown of system revenues, excluding investment earnings and other revenues, for the previous 10 fiscal years.



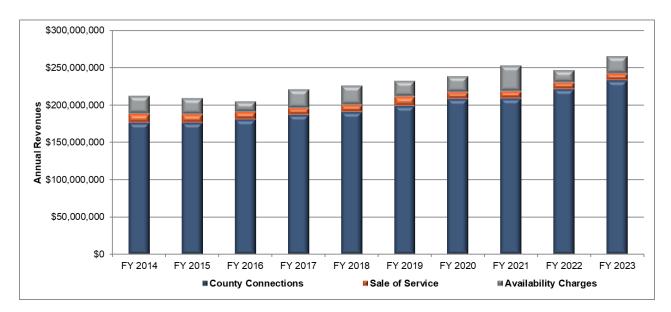


Figure 6-1: Historical Annual Wastewater Management Program Revenues by Source

The Fairfax County Board of Supervisors establish sewer service rates and availability fees. Sewer rates are reviewed and revised annually as part of the County's annual strategic planning and budgeting process to minimize the annual cost impact on customers due to increases in funding needs for the Wastewater Management Program. Sewer service charges are assessed to existing customers to recover operation and maintenance costs and debt service payments. These charges also provide capital project funding attributable to supporting or improving wastewater treatment services to existing customers.

Since 2010, the Board has used the five-year projections of financial performance measures to determine the appropriate wastewater service rates. The most significant sources of revenue are operating revenues in the form of base and volumetric sewer service charges and non-operating revenues in the form of availability fees. The Wastewater Management Program allocates revenues to cover operating expenses, capital funding allowances and debt service payments.

System operations and financial capability are impacted by several factors, including increased capital expenditures based on regulatory requirements associated with the Chesapeake Bay Program, inflationary effects on the cost of operations and construction, the need to maintain a strong financial position in the market, and the need to maintain compliance with rate covenant requirements. Maintaining financial strength is necessary to attract future capital, maintain competitive rates over the long-term, and meet the rate covenants as delineated in the General Bond Resolution, the VRA financing agreements, and other loan agreements that authorize the issuance of the Outstanding Bonds and other loans for the system.

In addition to the expenditure cost on its own system, the County (as prescribed by each agreement with the four purchased capacity entitlements of non-County facilities) is required to pay for its share of the operating, capital and/or debt costs of each entity's system based on actual wastewater flows and allocated



capacity. Capital expenditures to meet the Chesapeake Bay Program effluent discharge standards have increased significantly for all facilities. Along with these expenditures, the need to continually perform necessary renewals, replacements, and betterments because of facilities reaching the end of their useful service lives will continue to add to these expenses.

Since FY 2018, the annual average growth in the County's wastewater customer base has averaged approximately -0.54%. Due to water conservation efforts, per capita water consumption has decreased and total billed wastewater volumes in the County service area have declined. This is evidenced by an average annual decrease in billed wastewater volumes from FY 2018 to FY 2023 of -0.49%. Billed wastewater volumes are variable year to year and annual changes range from -3.41% to +1.78% in the years from FY 2015 to FY 2023. Billed wastewater volume is based on metered water sales at the customer premises. Many factors can affect billed wastewater flow, including water conservation measures, installation of low flow fixtures in new development, and climate conditions such as annual variations in temperature and precipitation. It should be noted that a reduction in billed wastewater volumes is consistent with trends experienced by other Northern Virginia utilities.

The Wastewater Management Program continuously tracks and compares prior financial forecasts to actual results as part of the rate and financial planning process. For FY 2023, actual revenues and investment income exceeded initial projections. Operating revenues exceeded forecasted estimates by approximately \$2.4 million, or 0.95% of gross revenues (excluding availability fees). The differences were primarily due to higher than forecasted investment income and lower operating expenses than previously forecasted.

6.2 Rates

Fairfax County bills residential customers for use of the sanitary sewer system based on water consumption during the current billing period or the preceding winter quarter billing period, whichever is lower. Residential customers who use the County's sanitary sewer system but obtain drinking water from a well are charged based on the number of persons residing in the home. Commercial customers are billed for sewer use based on actual water consumption; however, some commercial customers use meters to separately measure water that does not drain to the sanitary sewer system. Over the past decade the Wastewater Management Program has implemented rate increases necessary to:

- meet the Wastewater Management Program's projected funding requirements for operating and capital investment,
- maintain compliance with financial policies and required rate covenants as delineated in the General Bond Resolutions, and
- meet financial targets designed to maintain the overall long-term creditworthiness of the Wastewater Management Program. Appendix B provides a detailed summary of historical sewer service volumetric charges.

A Sewer Base Charge for all customers became effective in FY 2010 and is used to partially recover fixed expenses for billing, wastewater collection, engineering, and administrative costs. The base charge was substantially increased in FY 2014 to promote revenue stability and achieve greater equitability in obtaining



cost recovery among wastewater users. The increase reflected industry-wide trends in imposing rate adjustments. Appendix B details historical Sewer Base Charges.

The Wastewater Rate Study for FY 2024 through FY 2029 includes a multi-year rate phasing program which was prepared to identify recommended FY 2025 through 2029 rates, which are considered necessary to fund the identified revenue requirements for the system and continue to meet the financial planning benchmarks (i.e., financial position and targets) identified with Wastewater Management Program staff to promote the long-term creditworthiness of the system.

The creditworthiness objective focuses on maintaining a "AAA" credit rating with the bond rating agencies, limiting long-term financial risks to the system through prudent liquidity and financial operating strategies, and promoting the long-term sustainability of rates while limiting future increases to wastewater customers. Based on the assumptions recognized in the development of the financial forecast and the actual Fiscal Year 2024 results, Table 6-1 and Table 6-2 summarize the rate adjustment recommendations:

Description	2024	2025	2026	2027	2028	2029
Quarterly Base Charge (per ERC)	\$44.81	\$49.73	\$52.62	\$55.41	\$58.35	N/A
Flow Charge (per 1,000 gallons)	\$8.46	\$8.81	\$9.33	\$9.83	\$10.35	N/A
Rate Revenue Adjustment ⁽¹⁾	6.2%	5.9%	5.9%	5.5%	5.3%	1.3%

Table 6-1: Current Quarterly Rates by Fiscal Year – Existing Board Adopted

⁽¹⁾ Amounts show reflect projected increases to revenues from recommended rates, rates recommended to become effective July Ist of each fiscal year.

Description	2024	2025	2026	2027	2028	2029
Quarterly Base Charge (per ERC)	\$44.81	\$49.73	\$52.62	\$55.78	\$59.08	\$62.57
Flow Charge (per 1,000 gallons)	\$8.46	\$8.81	\$9.33	\$9.88	\$10.46	\$11.08
Rate Revenue Adjustment ⁽¹⁾	6.2%	5.9%	5.9%	5.9%	5.9%	5.9%

⁽¹⁾ Amounts show reflect projected increases to revenues from recommended rates, rates recommended to become effective July I^{st} of each fiscal year.



Adopted rates for FY 2024 and FY 2025 are competitive with rates charged by neighboring public utility systems. In FY 2024 and FY 2025 the monthly bill for a single-family residential wastewater customer is projected to be \$60.06 and \$63.56, respectively. By comparison monthly bills from neighboring utilities range from \$42.79 to \$112.00. The Program also tracks rate affordability relative to the annual median household income (MHI) within the service area. Industry standards suggest that wastewater bills of 2% or greater of the MHI is likely to trigger a "large economic impact" on ratepayer households. As noted in the Wastewater Rate Study for FY 2024 through FY 2029 residential wastewater charges for the County are expected to remain well below 2% of the MHI through the forecast period.

6.3 Availability Fees

The availability fee is a one-time charge assessed to new customers to recover the proportionate share of system costs and capital project funding attributable to expansion of the system required to support new customers. Existing customers are defined as those who have paid an availability fee for access to the Integrated Sewer System. Existing customers include those who are connected to the Integrated Sewer System and are receiving wastewater conveyance and treatment services as well as those who have paid an availability fee but are not yet receiving services. New customers are those who have yet to pay the availability fee. Upon payment of the availability fee a new customer becomes an existing customer.

The County's availability fee methodology is generally based on the "system buy-in" cost method. Under this method, the availability fee is designed to recover the incremental costs of infrastructure required for new customers to connect to the system. An exception to this method is used for the valuation of UOSA capacity reservations, which are based on an "incremental approach" in which the capacity valuation is based on the cost of the last facility expansion as determined by UOSA. In FY 2025, the Availability Charge will increase from \$8,860 to \$9,038 for single-family homes based on current projections of capital requirements. Table 6-3 provides a comparison of the existing availability fees and fees charged in neighboring communities. Both the existing and recommended charges are competitive with other surveyed Virginia wastewater utilities.

Fairfax County – Existing Availability Charge (FY 2024)	\$8,860
Fairfax County – Recommended Availability Charge (FY 2025)	
Average of Other Surveyed Utilities (1)	

Table 6-3: Wastewater Availability Charge – Rate per ERU (Equivalent Residential Units)

(1) Amount shown from the Wastewater Rate Study for FY 2024 through FY 2029

6.4 Bond Issues

The County is anticipating approximately \$2.2 billion in capital projects for FY 2024 to FY 2029. Projects will include additions, extensions and improvements to the Fairfax County's sewage collection, and treatment systems including the NCPCP, capital improvement costs allocable to the County at other regional treatment facilities that provide service to the County, and purchase of additional capacity if deemed necessary with future bond proceeds. It is assumed that \$595.0 million will be deferred beyond FY 2029, resulting in a total forecast of \$1.55 billion. \$924.5 million of the capital improvement program is



anticipated to be funded by the issuance of additional parity bonds during the next five-year forecast period. These issuances along with outstanding bond proceeds described in Section 4.1 are anticipated to meet the system's capital funds requirements through 2029.

6.5 Financial Position

In evaluating the financial position of the Wastewater Management Program, two criteria are used to assess the financial stability of the system: (1) the ability to meet the debt service coverage requirements in the General Bond Resolution for Sewer Revenue Bonds, and (2) the ability to provide adequate cash flow for operation and maintenance expenses as well as capital requirements.

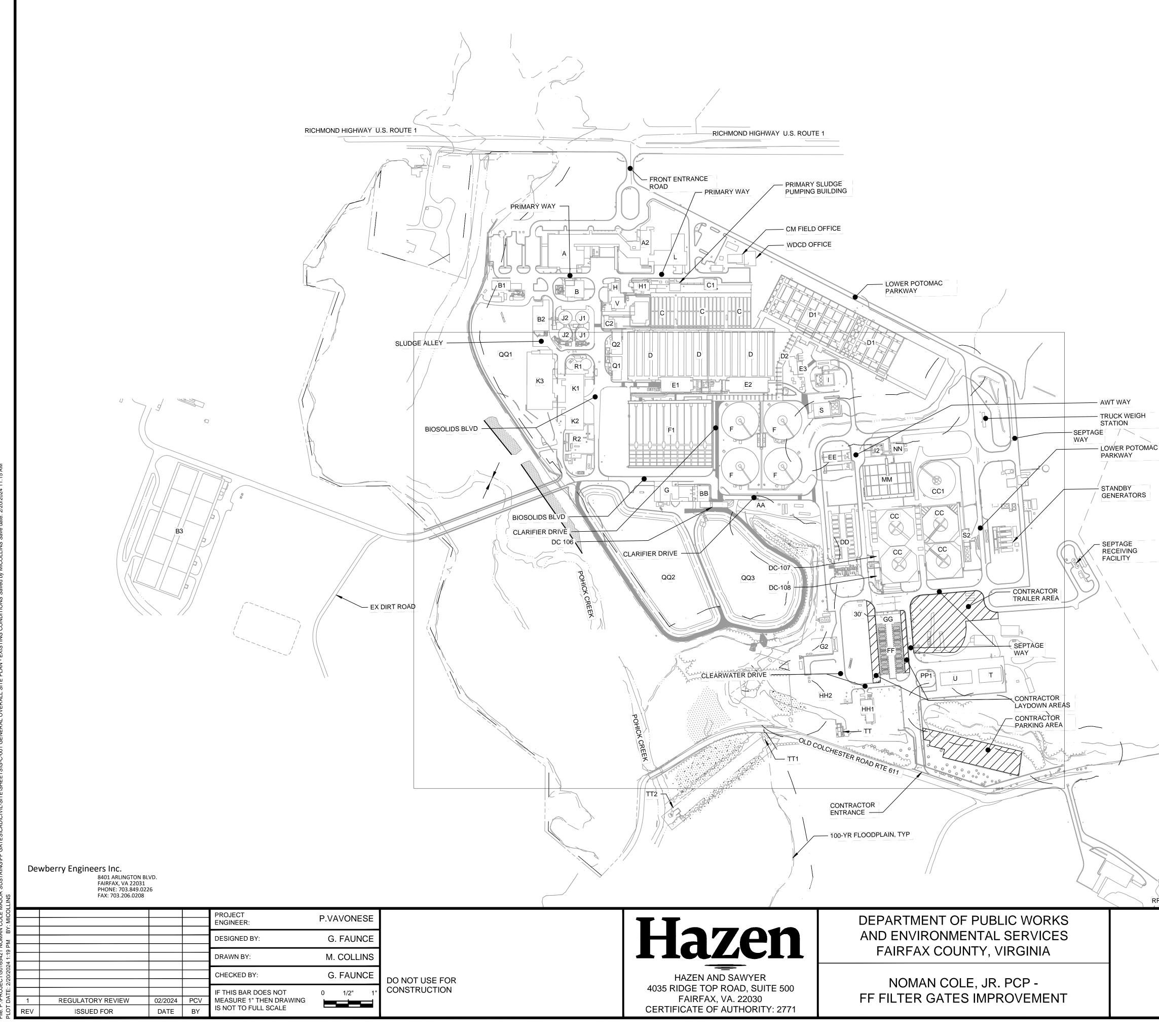
The County's General Bond Resolution requires that rates be set such that new revenues, excluding availability fees and other one-time sources, provide debt service coverage of at least 1.25 times debt service on senior obligations. This was implemented to reduce the Wastewater Management Program's dependence on availability fees, a non-recurring revenue source that creates vulnerability for the system and increases reliance on service charges and new billing fees. This bond resolution governs the system's debt, including previously issued obligations. Table 7 in Appendix C indicates that revenues will be sufficient to ensure that this requirement will be met for the forecasted period of FY 2024 – FY 2029. Based on the service charge and availability fee schedule and associated financial statements, total revenue bond and senior (parity) debt coverage ratios will remain above the policy target of 2.0 with values ranging from 2.36 to 3.16 during the forecast period. Overall debt service coverage ratios, which include subordinate obligations, are forecasted to remain above the required minimum of 1.00 throughout the forecast period, with values ranging from 1.92 to 2.29. Table 12 in Appendix C indicates that there will be sufficient cash flow to fund operation and maintenance as well as capital projects, with sufficient fund balances within the multiple funds to cover projected expenditures and maintain adequate reserves.

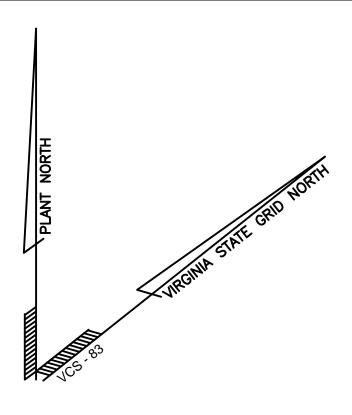




Appendix A – NCPCP Site Plan







NOTES:

- SHADED AREAS REPRESENT EXISTING FACILITIES TO BE MODIFIED DURING THIS PROJECT.
- 2. FINAL LOCATIONS FOR CONTRACTOR LAYDOWN, TRAILER, AND PARKING AREAS TO BE COORDINATED AFTER NOTICE TO PROCEED.
- CONTRACTOR TO CONFORM TO ALL EROSION AND SEDIMENT (E&S) CONTROLS NEAR PROJECT LAYDOWN AREA AND LAND DISTURBANCE AREAS.

EXISTING FACILITIES LEGEND

~	
А	OPERATIONS AND MAINTENANCE BUILDING
A2	ADMINISTRATION BUILDING
В	RAW WASTEWATER PUMP STATION
B1	SCREEN BUILDING/BAR SCREENS
B2	RAW WASTEWATER/EQUALIZATION TANKS PUMP STATION
B3	EQUALIZATION TANKS
С	PRIMARY SETTLING TANKS
C1	FLASH MIX TANKS
C2	PRIMARY SETTLING TANKS ODOR CONTROL SYSTEM
D	ACTIVATED SLUDGE TANKS 1-6
D1	ACTIVATED SLUDGE TANKS 7-9
D2	MIXED LIQUOR CHANNEL
E1	BLOWER BUILDING
E2	BLOWER BUILDING
E3	ELECTRICAL BUILDING
F	SECONDARY CLARIFIERS
F F1	SECONDARY CLARIFIERS
	CHLORINATION FACILITY
G	AUXILIARY CHEMICAL STORAGE FACILITY
G2	SAFETY OFFICE
H	PRIMARY SLUDGE DEGRITTING FACILITY
H1	METHANOL FEED BUILDING
	METHANOL FEED BUILDING
12	PRIMARY SLUDGE THICKENERS
J1	PRIMARY SLUDGE THICKENERS
J2	SLUDGE PROCESSING BUILDING
K1	SLUDGE PROCESSING BUILDING
K2	SLUDGE PROCESSING BUILDING
K3	LABORATORY BUILDING
L	
Q1	
Q2	DAF THICKENER BLENDED SLUDGE STORAGE TANK
R1	
R2	BLENDED SLUDGE STORAGE TANK
S	CHEMICAL FEED BUILDING
S2	CHEMICAL FEED BUILDING - FERRIC AND POLYMER
Т	
U	BUILDING AND GROUNDS STORAGE BUILDING
V	SUPERVISORS' OFFICE AND WOMEN'S FACILITY
AA	ASE METERING VAULT
BB	ASE PUMP STATION
CC	TERTIARY CLARIFIERS
CC1	TERTIARY CLARIFIERS
DD	GRAVITY FILTER BUILDING
EE	BACKWASH EFFLUENT TANKS
FF	MONOMEDIA FILTERS/ACTIVATED CARBON ABSORPTION
GG	CARBON REGENERATION BUILDING
HH1	APW PUMP STATION
HH2	DISINFECTION FACILITIES
MM	MOVING BED BIOLOGICAL REACTOR
PP1	MAINTENANCE STORAGE
NN	MBBR BLOWER BUILDING
QQ1	RETENTION BASIN 1
QQ2	EQUALIZATION BASIN 2
QQ3	EQUALIZATION BASIN 3
RR	BULK STORAGE
TT	EFFLUENT CHAMBER
TT1	OUTFALL INTERMEDIATE STRUCTURE
TT2	OUTFALL STRUCTURE



200

Scale In Feet DATE: FEBRUARY 2024



Appendix B – Fees and Charges





Appendix B – Fees and Charges

1.1 Sewer Service Charges

1.1.1 Sewer Service Charge Purpose

To charge existing customers of the Wastewater Management Program for system operation and maintenance costs in proportion to services provided. Sewer service charges include a Base Charge and a Service Charge. The Base Charge is a flat fee whereas the Service Charge is determined by consumption. In FY 2023, the Service Charge was \$8.09 per 1,000 gallons, and the Base Charge was \$40.14 per Billing period.

1.1.2 Sewer Service Charge Rate History

Since 2009, the Wastewater Management Program has increased the Sewer Service Charge rates as follows:

	Sewer Service Charge Rates							
Fiscal Year	Service Charge (\$/1000 gal)	Percent Increase	Base Charge (\$/Bill)	Percent Increase				
2009	\$4.10	9.6%	-	-				
2010	\$4.50	9.8%	\$5.00	0.0%				
2011	\$5.27	17.1%	\$5.00	0.0%				
2012	\$6.01	14.0%	\$5.00	0.0%				
2013	\$6.55	8.9%	\$5.50	10.0%				
2014	\$6.55	0.0%	\$12.79	132.5%				
2015	\$6.62	1.1%	\$15.86	24.0%				
2016	\$6.65	0.5%	\$20.15	27.05%				
2017	\$6.68	0.5%	\$24.68	22.5%				
2018	\$6.75	1.0%	\$27.62	11.9%				
2019	\$7.00	3.8%	\$30.38	10.0%				
2020	\$7.28	4.0%	\$32.91	8.3%				
2021	\$7.28	0.0%	\$32.91	0.0%				
2022	\$7.72	6.0%	\$36.54	11.0%				
2023	\$8.09	4.8%	\$40.14	9.8%				

Table B - 1: Sewer Service Charge Rates FY 2009 – FY 2023

Source: Annual Disclosure Report Fiscal Year 2023





1.1.3 Sewer Service Charge Rate Increase

The Wastewater Management Program Wastewater Rate Study for FY 2024 through FY 2029 includes a multi-year rate phasing program which was prepared to identify the FY 2024 through 2029 rates. The rates are established to fund the identified revenue requirements for the Integrated Sewer System and to continue to meet the financial planning benchmarks (i.e., financial position and targets) identified with WMP staff to promote the long-term creditworthiness of the Integrated Sewer System. The creditworthiness objective focuses on maintaining an "AAA" credit rating with the bond rating agencies, limiting long-term financial risks to the Integrated Sewer System through prudent liquidity and financial operating strategies, and promoting the long-term sustainability of rates while limiting future increases to wastewater customers. The table below summarizes the rate adjustment recommendations that were developed based on the assumptions recognized in the development of the financial forecast, and actual Fiscal Year 2022 results.

Description	2024	2025	2026	2027	2028	2029		
Quarterly Base Charge (per ERC)	\$44.81	\$49.73	\$52.62	\$55.41	\$58.35	N/A		
Flow Charge (per 1,000 gallons)	\$8.46	\$8.81	\$9.33	\$9.83	\$10.35	N/A		
Rate Revenue Adjustment ⁽¹⁾	6.2%	5.9%	5.9%	5.5%	5.3%	1.3%		
	Recommended Adjustments							
Quarterly Base Charge (per ERC)	\$44.81	\$49.73	\$52.62	\$55.78	\$59.08	\$62.57		
Flow Charge (per 1,000 gallons)	\$8.46	\$8.81	\$9.33	\$9.88	\$10.46	\$11.08		
Rate Revenue Adjustment ⁽¹⁾	6.2%	5.9%	5.9%	5.9%	5.9%	5.9%		

Table B - 2: Rate Adjustment Recommendations

Existing Board Adopted

⁽¹⁾ Amounts shown reflect projected increases to revenues from recommended rates, rates recommended to become effective July 1st of each fiscal year.

Source: Wastewater Revenue Sufficiency and Rate Analysis Report FY 2024 through FY 2029.





1.2 Availability Fees

1.2.1 Availability Fee Purpose

The availability fee is a one-time charge assessed to new customers to recover the proportionate share of system costs and capital project funding attributable to expansion of the system required to support new customers. Existing customers are defined as those who have paid an availability fee for access to the system. Existing customers include those who are connected to the system and are receiving wastewater conveyance and treatment services as well as those who have paid an availability fee but are not yet receiving services. New customers are those who have yet to pay the availability fee. Upon payment of the availability fee a new customer becomes an existing customer.

The County's availability fee methodology is generally based on the "system buy-in" cost method. Under this method, the availability fee is designed to recover the incremental costs of infrastructure required for new customers to connect to the system. An exception to this method is used for the valuation of Upper Occoquan Service Authority (UOSA) capacity reservations, which are based on an "incremental approach," in which the capacity valuation is based on the cost of the last facility expansion as determined by UOSA.

1.2.2 Availability Fee Rate History

The following table shows the historical availability fees by customer class for the period from FY 2014 through FY 2023:

		-	-		
Fiscal Year	Single Family Residence	Townhouse or Apartment	Hotel/Motel (per unit charge)	Mobile Home	Non- residential (per fixture unit)
2014	\$7,750	\$6,200	\$1,938	\$6,200	\$401
2015	\$7,750	\$6,200	\$1,938	\$6,200	\$401
2016	\$7,750	\$6,200	\$1,938	\$6,200	\$401
2017	\$7,750	\$6,200	\$1,938	\$6,200	\$401
2018	\$8,100	\$6,480	\$2,025	\$6,480	\$405

Table B - 3: Availability Fee by Customer Class FY 2014 – FY 2023

Historical Availability Fees by Customer Class





Fiscal Year	Single Family Residence	Townhouse or Apartment	Hotel/Motel (per unit charge)	Mobile Home	Non- residential (per fixture unit)
2019	\$8,100	\$6,480	\$2,025	\$6,480	\$405
2020	\$8,340	\$6,672	\$2,085	\$6,672	\$417
2021	\$8,340	\$6,672	\$2,085	\$6,672	\$417
2022	\$8,507	\$6,806	\$2,127	\$6,806	\$425
2023	\$8,592	\$6,874	\$2,148	N/A	\$430

Source: FY 2024 Fairfax County Adopted Budget Plan (Vol. 2)

1.2.3 Availability Fee Rate Increase

In FY 2024, the Availability Charge will increase from \$8,592 to \$8,592 for single family homes based on current projections of capital requirements. A summary of the recommended availability charges for FY 2024 is shown in the table below.

Table B - 4: Availability Fee by Customer Class Current and Forecasted Availability Fees by Customer Class Townhouses Non- residential											
Fiscal Year	Hotels and Motels	Non- residential (per fixture unit)									
2024	\$8,860	\$7,088	\$2,215	\$443							

.. _ ~.

Source: Wastewater Revenue Sufficiency and Rate Analysis Report FY 2024 through FY 2029.

Summary of FY 2023 Sewer Service Charge and Availability 1.3 Changes

A detailed list of availability fees, connection fees and sewer service charges is shown in the following table.





	Table B -	5: Sewer Service	ce Charges FY 2	2014 – FY 2023				
	Fe	e History and	Current Chang	ges				
		Availability Fe	e	Sewer Service Charge				
Fiscal Year	Single Family Residence	Townhouse and Apartment	Commercial	Base Charge \$/Qtr/ERC	Sewer Service Charge (\$/1000 gal)			
2014	\$7,750	\$6,200	\$401	\$12.79	\$6.55			
2015	\$7,750	\$6,200	\$401	\$15.86	\$6.62			
2016	\$7,750	\$6,200	\$401	\$20.15	\$6.62			
2017	\$7,750	\$6,200	\$401	\$24.68	\$6.62			
2018	\$8,100	\$6,480	\$405	\$27.62	\$6.75			
2019	\$8,100	\$6,480	\$405	\$30.38	\$7.00			
2020	\$8,340	\$6,672	\$417	\$32.91	\$7.28			
2021	\$8,340	\$6,672	\$417	\$32.91	\$7.28			
2022	\$8,507	\$6,806	\$425	\$36.54	\$7.72			
2023	\$8,592	\$6,874	\$430	\$40.14	\$8.09			

¹.Connection Charge rate was increased to \$152.50 per foot in 2011. Prior to 2011, the rate was \$6.00/ft.

² Lateral Spur Charge has been \$600 per spur connection since March 1981.

Source: FY 2023 Annual Comprehensive Financial Report

Sewer Service Charge and Availability Rate Comparison 1.4

The table below compares average annual water and sewer service billings and Availability Fees per Single Family Residential Equivalent (SFRE) for Fairfax County with selected other regional jurisdictions. Representative average sewer service billings for the other regional jurisdictions have been developed by applying each jurisdiction's sewer service rate to appropriate SFRE water usage based on an analysis of Fairfax Water's historical average water usage records for SFREs. Both the existing and recommended charges are competitive with other surveyed Virginia wastewater utilities.





Table B - 6: Comparison of	Average Sewer Service Charges	and Availability Fees
Comparison of Average Sev	wer Service Charges and Ava	ilability Fees for SFREs
Jurisdiction	Average Monthly Sewer Service Billing ^{a,b}	Sewer Availability Fees ^{b,c}
Fairfax County – FY 2023	\$61.92	\$8,592
Fairfax County – FY 2024	\$65.70	\$8,860
Fairfax County – FY 2025	\$69.44	\$9,038
City of Alexandria (served by AlexRenew)	\$99.77	\$9,446
Arlington County	\$62.17	\$3,720
DC Water	\$122.79	\$2,809
Loudoun Water	\$72.48	\$9,241
Prince William County	\$53.65	\$11,200
Washington Suburban Sanitary Commission	\$82.67	Improved – \$6,500 Unimproved – \$14,500
Average of Other Jurisdictions	\$82.25	\$8,202

Source: Wastewater Revenue Sufficiency and Rate Analysis Report FY 2024 Through FY 2029 Notes:

a) Based on a quarterly use of 18,000 gallons which is the Fairfax County average winter quarter use.

b) Reflects rates in effect October 2023.

c) Availability fees reflect differences in the methodology utilized in their development as well as differences in such factors as level of service, regulatory requirements, and receipt of grants.





Appendix C - Wastewater Revenue Sufficiency and Rate Analysis Tables

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Appendix C - Wastewater Revenue Sufficiency and Rate Analysis Tables

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Summary of Implied Historical Customer Billing Statistics

Line					Historical Fi	iscal Year Ended Ju	ne 30,			
No.	Description	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Total System Customer Statistics (FY 2006 - FY 2014)									
1	ERU Growth	n/a	7,407	3,167	(40,116)	1,886	8,836	(61)	3,859	(2,304)
2	Estimated ERUs [1]	342,904	350,311	353,478	313,362	315,248	324,084	324,023	327,882	325,578
3	Average Billed Wastewater Flows (Kgal) [2]	24,380,182	25,112,557	24,624,563	24,510,612	24,962,443	23,934,607	24,672,538	24,518,064	24,764,339
4	Average Monthly Flow Per Billed ERC (gal)	5,925	5,974	5,805	6,518	6,599	6,154	6,345	6,231	6,339
					Historical Fi	iscal Year Ended Jur	ne 30,			
		2015	2016	2017	2018	2019	2020	2021	2022	2023
	Total System Customer Statistics (FY 2015 - FY 2023)									
5	ERU Growth	7,078	11,216	2,345	(4,497)	872	495	4,106	1,005	(910)
6	Estimated ERUs [1]	332,656	343,871	346,217	341,720	342,591	343,087	347,193	348,198	347,287
7	Average Billed Wastewater Flows (Kgal) [2]	23,919,871	23,451,904	23,113,566	23,086,536	22,593,545	22,770,424	22,351,730	22,750,614	22,426,454
8	Average Monthly Flow Per Billed ERC (gal)	5,992	5,683	5,563	5,630	5,496	5,531	5,365	5,445	5,381

Footnotes:

[1] Amounts shown through the Fiscal Year 2008 represent flow based ERUs reported by the County. Beginning with the Fiscal Year 2009 ERUs were estimated based on reported revenues.

[2] Billable Wastewater Flow is based on reported revenue divided by the rate in effect.

Summary of Projected Customer Billing Statistics

Line		Historical		Pro	jected Fiscal Year	Ending June 30,		
No.	Description	2023	2024	2025	2026	2027	2028	2029
	Total System Customer Statistics							
1	ERU Growth		1,600	1,607	1,617	1,621	1,635	1,642
2	Estimated ERUs [1]	347,287	348,887	350,494	352,111	353,732	355,367	357,009
3	Average Billed Wastewater Flows (Kgal)	22,426,454	22,587,133	22,701,141	22,816,405	22,931,787	23,048,712	23,165,973
4	Average Monthly Flow Per Billed ERU	5,381	5,395	5,397	5,400	5,402	5,405	5,407

Footnotes:

[1] Amounts shown for the Fiscal Year 2023 are calculated based on customer statistics provided by Fairfax Water.

						Pr	ojection of Opera	ting Expenses							
Line No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024	Adjustments	Adjusted 2024	1	Adjusted 2025	2026 Pro	pjected Fiscal Year E 2027	nding June 30, 2028	2029
			WWC - WASTEWATER COLLEG		RTMEN	NT:		,							
			WWC- Administration Personnel Services												
1	G252301001500000	WCDPS	Regular Salaries	Labor	s	682,594 \$	1,140,605	\$ 144,857 \$	1,285,462	s	1,324,026 \$	1,363,746 \$	1,404,659 \$	1,446,799 \$	1,490,203
2	G252301001500040	WCDPS	New Position-Regular Salaries	Labor		-									
3	G252301001500050 G252301001500080	WCDPS WCDPS	Annual Comp Increas POS Turnover-Pay	Labor Labor		-	82,416 (70,915)	10,467 (9,006)	92,883 (79,921)		95,669 (82,319)	98,539 (84,788)	101,496 (87,332)	104,540 (89,952)	107,677 (92,651)
5	G252301001500090	WCDPS	Reg Sal Non Mert Em	Labor		20,850	-	(5,000)	-		(02,517)	-	(87,552)	-	(72,051)
6	G252301001500100	WCDPS	Shift Differential	Labor			4,002	508	4,510		4,646	4,785	4,928	5,076	5,229
8	G252301001500110 G252301001500130	WCDPS WCDPS	Extra pay Accrued Leave	Labor Labor		155 7,940	64,220	8,156	72,376		74,547	76,784	79,087	81,460	83,904
9	G252301001500150	WCDPS	Leave Pay Out	Labor		16,390	-	-	-		-	-	-	-	-
10	G252301001501000	WCDPS	Fringe Benefits	Benefits		-	487,633	61,929	549,562		566,049	583,031	600,522	618,537	637,093
11 12	G252301001501010 G252301001501011	WCDPS WCDPS	FICA Medicare	Benefits Benefits		42,286 9,834	-	-	-		-	-	-	-	-
13	G252301001501020	WCDPS	Retire Contrb-EE Sy	Benefits		185,560	-	-	-		-	-	-	-	-
14	G252301001501060	WCDPS	Health-Cigna High	Benefits		-	-	-	-		-	-	-	-	-
15 16	G252301001501061 G252301001501062	WCDPS WCDPS	Health OAP 90% Health-HSA Plan	Benefits Benefits		21,593 1,400			-			-		-	-
17	G252301001501063	WCDPS	Health-MyChoice	Benefits		18,955	-	-	-		-	-	-	-	-
18 19	G252301001501070	WCDPS WCDPS	Health-Cigna Low	Benefits		21,991	-	-	-		-	-	-	-	-
20	G252301001501080 G252301001501090	WCDPS	Health-BC/BS Health-Kaiser	Benefits Benefits		35.212			-						
21	G252301001501100	WCDPS	Insurance-Group Life	Benefits		1,128	-	-	-		-	-	-	-	-
22	G252301001501110	WCDPS	Delta Dental	Benefits		4,191	-	-	-		-	-	-	-	-
23	G252301001502120	WCDOE	Worker Comp Ins Plc	Benefits		15,750	-	-	-		-	-	-	-	-
24			Total Personnel Services		s	1,085,828 \$	1,707,961	\$ 216,911 \$	1,924,872	S	1,982,618 \$	2,042,097 \$	2,103,360 \$	2,166,460 \$	2,231,454
25	G252301001510000	WCDOE	Operating Expenses Office Equip&Furnit	Inflation	s	33,427 \$	2,575	s - s	2,575	s	2,634 \$	2,690 \$	2,743 \$	2,804 \$	2,865
26	G252301001510000	WCDOE	Office Supplies	Inflation	J.	2,411	6,010	- 5	6,010	3	6,148	6,277	6,402	6,543	6,687
27	G252301001510030	WCDOE	Computer Equipment	Inflation		-	-	-				-		-	-
28 29	G252301001510040	WCDOE WCDOE	Computer Acces&Supl	Inflation		660	5,160	-	5,160		5,279 1,330	5,390 1,358	5,498 1,385	5,619 1,415	5,742 1,447
29 30	G252301001510060 G252301001510070	WCDOE	Printing Acces&Supl Cleaning Supplies County	Inflation Inflation		1,261	1,300		1,300		1,330	1,358	1,385	1,415	1,447
31	G252301001510080	WCDOE	Postage	Inf/Cust		415	2,000	-	2,000		2,054	2,106	2,157	2,214	2,272
32	G252301001510200	WCDOE	Bldg Maint & Repair	Repair		29,435	12,500	-	12,500		13,000	13,520	14,061	14,623	15,208
33 34	G252301001510201 G252301001510203	WCDOE WCDOE	Carpentry/LumberSupl Hardware	Repair Repair		56 1,130	-	-	-		-	-	-	-	-
35	G252301001510205	WCDOE	Lightbulbs	Repair		73	-	-	-		-	-	-	-	
36	G252301001510206	WCDOE	Paint/Paint Supplies	Repair		622	-	-	-		-	-	-	-	-
37 38	G252301001510207 G252301001510210	WCDOE WCDOE	Plumbing Supplies Grnds Maint Equ&Supl	Repair Repair		6,342 2,868	-	-	-		520	- 541	562	- 585	- 608
39	G252301001510210	WCDOE	Educational Supplie	Inflation		1,191	1,500	-	1,500		1,535	1,567	1,598	1,633	1,669
40	G252301001510600	WCDOE	Chemicals	Chemicals		251	-	-	-			-	-	-	-
41 42	G252301001510610 G252301001510620	WCDOE WCDOE	Tools County	Inflation Inflation		4,019	4,000	-	4,000		4,092	4,178	4,261	4,355	4,451
42	G252301001510620	WCDOE	Eng Drft&Sur Eqp⋑ Water Treat Eqp⋑	Inflation		5,556	-	-	-		-	-	-	-	-
44	G252301001510640	WCDOE	Food Srv Equip/Supl	Inflation		4,254	-	-	-		-	-	-	-	-
45	G252301001510650	WCDOE WCDOE	Hshl Aplnc/Supl/Rep	Inflation		2,592 18.609	750	-	750		767	783	799	817	835
46 47	G252301001510660 G252301001510670	WCDOE	Med&Lab Eqp and Sup Park/Rctn Area Equip	Inflation Inflation		18,609	6,500		6,500		6,650	6,789	6,925	7,077	7,233
48	G252301001512990	WCDOE	Other Operating Sup	Inflation		32,060	214,680	-	214,680		219,618	224,230	228,714	233,746	238,888
49	G252301001512992	WCDOE	Goods Receipts Without PO	Inflation				-							
50 51	G252301001513020 G252301001513040	WCDOE WCDOE	Automotive Equp⋑ Fuel Oil County	Inflation Inflation		22,668 58	25,000	-	25,000		25,575	26,112	26,634	27,220	27,819
52	G252301001514010	WCDOE	Fire Protec Eqp&Supl	Inflation		3,334	3,186	-	3,186		3,260	3,328	3,395	3,469	3,546
53	G252301001514020	WCDOE	Uniform/Wear Appare	Inf/Emp		252,059	268,527	-	268,527		274,703	280,472	286,081	292,375	298,807
54 55	G252301001514030 G252301001520000	WCDOE WCDOE	Mis Pub Safe Eqp⋑ Ofc Eqp Maint&Repai	Repair		29,155 962	-	-	-		1,560	1,622	-	1,755	1,825
55 56	G252301001520000 G252301001520010	WCDOE	Ofc Eqp Maint&Repai Bldg Maint & Repair	Repair Repair		962 21,790	1,500 201,342	-	201,342		209,395	217,771	226,482	235,541	244,963
57	G252301001520013	WCDOE	HVAC M&R	Repair		19	-	-	-		-	-	-	-	-
58	G252301001520020	WCDOE	Construct Maint/Repr	Repair		-	85,000	-	85,000		88,400	91,936	95,613	99,438	103,415
59 60	G252301001520025 G252301001520060	WCDOE WCDOE	Custodial Services Fire Extinguisher M&R	Repair Repair		44,678 476	9.524	-	9.524		9,905	10.301	10,713	11.142	- 11,587
61	G252301001520110	WCDOE	Other Maint & Repai	Repair		7,282	32,809	-	32,809		34,121	35,486	36,905	38,382	39,917
62	G252301001520130	WCDOE	IT Equip Maint&Supp	Inflation		-	· -	-	-		-	-	-	-	-
63 64	G252301001521050 G252301001521060	WCDOE WCDOE	Edu/Training Service Computer Services	Inflation Inflation		2,505	30,000 40,000	-	30,000 40,000		30,690 40,920	31,334 41,779	31,961 42,615	32,664 43,552	33,383 44,511
64 65	G252301001521060 G252301001521062	WCDOE	Tech Infra Chrgbck	Inflation		- 16,397	40,000 18,000		40,000 18,000		18,414	41,779 18,801	42,615	43,552 19,599	20,030
66	G252301001521070	WCDOE	Print/Typeset Servce	Inflation		944	-	-	-		-	-	-	-	-
67	G252301001521080	WCDOE	Other Pro Cntrct Sv	Inflation		38,636	50,653	-	50,653		51,818	52,906	53,964	55,152	56,365
68 69	G252301001521090 G252301001521092	WCDOE WCDOE	Comm & Media Servic Telecom Service-Commercial	Inflation Inflation		279,557 4,747	209,188	-	209,188		213,999	218,493	222,863	227,766	232,777
70	G252301001521092	WCDOE	Telecommunication Chargeback	Inflation		41,997	41,424	-	41,424		42,377	43,267	44,132	45,103	46,095
71	G252301001521110	WCDOE	Public Works Service	Inflation		-	-	-	-		-	-	-	-	-
72 73	G252301001521140 G252301001521150	WCDOE WCDOE	Safety&Emergency Svc Health Related Srvs	Inflation Inflation		3,932	-	-	- 1.068		1,092	- 1,115	1,138	1.163	-
74	G252301001521150 G252301001521210	WCDOE	Licensing Fees	Inflation		6,556	7,500	-	7,500		7,673	7,834	7,990	8,166	8,346
75	G252301001521240	WCDOE	Meals	Inflation		-	1,500	-	1,500		1,535	1,567	1,598	1,633	1,669
76	G252301001521250	WCDOE	Miscellaneous Services	Inflation		- 66.080	266,397 84,330	-	266,397 84,330		272,524 86,438	278,247 88,599	283,812 90,814	290,056 93.084	296,437 95,411
77 78	G252301001530000 G252301001530010	WCDOE WCDOE	Electricity County Natural Gas County	Electricity Gas				-							95,411 11,887
78	G252301001530010	WCDOE	Natural Gas County	Gas		9,455	11,045		11,045		11,653	11,711	11,770	11,828	

Footnotes on Page 14 of 14.

Table 3 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis <u>Projection of Operating Expenses</u>

					<u>P</u>	rojection of Opera	ting Expenses						
Line No.	G/L Code		Description	Escalation Reference	Actual 2023	Adopted 2024	Adjustments	Adjusted 2024	Adjusted	2026	Projected Fiscal Year E 2027	nding June 30, 2028	2029
		WODOF					rujusunents						
79 80	G252301001530040 G252301001530050	WCDOE WCDOE	Water County Other Utility Expense	Water Inflation	4,522 5,201	5,778	-	5,778	6,152	6,583	6,978	7,326	7,0
81	G252301001530050 G252301001542000	WCDOE	Local County Travel	Inflation	285	500		500	512	522	533	544	:
82	G252301001542030	WCDOE	Operational Travel	Inflation	435	-	-	-	512		-	-	-
83	G252301001542050	WCDOE	Miscellaneous Travel	Inflation	6.801	30,770		30,770	31,477	32,138	32,781	33,502	34,2
84	G252301001540540	WCDOE	Housing Admin Fee	Inflation	-	-	-	-	-	-	-	-	- ,
85	G252301001541050	WCDOE	Gen Liab Admin	Insurance	-	-	-	-	-	-	-	-	
86	G252301001541090	WCDOE	Auto Liab Admin	Insurance	123,716	-	-	-		-	-	-	
87	G252301001542200	WCDOE	Certification	Inflation	225	-	-	-		-	-	-	
88	G252301001542210	WCDOE	Mgmt/Prof Training	Inflation	2,859	5,500	-	5,500	5,627	5,745	5,860	5,988	6,
89	G252301001542220	WCDOE	Technical Train Cnt	Inflation	26,525	5,500	-	5,500	5,627	5,745	5,860	5,988	6,
90	G252301001542230	WCDOE	Non-Technical Training	Inflation	2,690	-	-	-	-	-	-	-	
91 92	G252301001542520 G252301001543000	WCDOE WCDOE	Reimb-Telephone Exp Cash Awards	Inflation Inflation	-	-	-	-	-	-	-	-	
92 93	G252301001543000 G252301001543020	WCDOE	Cash Awards Departmental Awards	Inflation	-	7,000	-	7,000	7,161	7,311	7,458	7,622	7.
93 94	G252301001543020 G252301001543030	WCDOE	Plaques and Awards	Inflation	-	7,000	-	7,000	/,101	7,311	7,458	7,022	/
95	G252301001544000	WCDOE	Copying	Inflation	6,782	9,000		9,000	9,207	9,400	9,588	9,799	10
96	G252301001544000	WCDOE	Phototypesetting	Inflation	0,702	-	-	-	7,207	-	-	-	10
97	G252301001544030	WCDOE	Printing and Bindin	Inflation	3,657	10.000	-	10.000	10.230	10.445	10.654	10.888	11
98	G252301001544050	WCDOE	Assigned Agency Veh	Inflation	590,274	190,771	-	190,771	195,159	199,257	203,242	207,714	212
99	G252301001544060	WCDOE	Motor Pool	Inflation	1,197	-	-	-	-	-	-	-	
100	G252301001544070	WCDOE	Fuel	Fuel	357,154	-	-	-	-	-	-	-	
101	G252301001544080	WCDOE	Vehicle Replacement	Inflation	(12,191)	-	-	-	-	-	-	-	
102	G252301001544090	WCDOE	Services-Other Agency	Inflation	698	10,000	-	10,000	10,230	10,445	10,654	10,888	11
103	G252301001544504	WCDOE	Employee Recruitment	Inflation	655	-	-	-		-	-	-	
104	G252301001544512	WCDOE	Internal FFX Suppor	Inflation	-	-	-	-		-	-	-	
105	G252301001544524	WCDOE	Site Plan Fees	Inf/Emp	1,009	-	-	-	-	-	-	-	
106	G252301001544538	WCDOE	Prof Memberships	Inf/Emp	380	3,500	-	3,500	3,581	3,656	3,729	3,811	3
107	G252301001544539	WCDOE	Prof Subscriptions	Inf/Emp	-	-	-	-		-	-	-	
108	G252301001544540	WCDOE	Credit Card Expense	Inflation	-	-	-	-		-	-	-	
109	G252301001544990	WCDOE	Other Operating Exp	Inflation	29,385	262,749	-	262,749	268,793	274,437	279,926	286,084	292
110	G2523010015550130	WCDOE	Payments to VA	Inflation			-						
111	G252301001580000	WCDOE	Indirect Cost Allocation	Constant	3,000,000	3,000,000	-	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000
112			Total Operating Expenses		\$ 5,153,469 \$	5,186,535	s - s	5,186,535	\$ 5,243,431 \$	5,297,794	\$ 5,351,713 \$	5,410,676 \$	5,471
113			Capital Equipment [1]	D I C									
14			Equipment Expense Vehicles SC/No WBS	Bud Cap Bud Cap	\$ - \$ 174,666		s - s -	-	\$ - \$ -	-	\$ - \$ -	- \$	
115			Total Capital Equipment [1]		\$ 174,666 \$	-	s - s		s - s	-	s - s	- \$	
116			Total WWC- Administration		\$ 6,413,963 \$	6,894,496	\$ 216,911 \$	7,111,407	\$ 7,226,050 \$	7,339,891	\$ 7,455,073 \$	7,577,136 \$	7,702,
			NUMC O : C										
			WWC - Gravity Sewer Personnel Services										
117	G252301002500090	WCDPS	Regular Salaries	Labor	2,538,438	3,721,292	472,604	4,193,896	4,319,713	4,449,304	4,582,783	4,720,267	4,861,
118	G252301002500100	WCDPS	Annual Comp Increas	Labor	2,338,438	368.520	46.802	415.322	427,782	440,615	453.834	467,449	4,801
119	G252301002500110	WCDPS	POS Turnover-Pay	Labor		(189,229)	(24,032)	(213,261)	(219,659)	(226,249)	(233,036)	(240,027)	(247
120	G252301002500090	WCDPS	Reg Sal-Non Mert Em	Labor	229,605	115,651	14,688	130,339	134,249	138,276	142,425	146,697	151
121	G252301002500100	WCDPS	Shift Differential	Labor	40	115,051	14,000	150,557	134,247	150,270	142,425	140,077	151
122	G252301002500110	WCDPS	Extra pay	Labor	223.745	285,786	36,295	322,081	331,743	341,696	351,946	362,505	373
123	G252301002500130	WCDPS	Accrued Leave	Labor	16,841	200,100	50,275	522,001	-	511,050		502,505	515
124	G252301002500150	WCDPS	Stip, Award, Allwnce	Labor	10,041								
25	G252301002500150	WCDPS	Bonuses	Labor	67,885								
26	G252301002500150	WCDPS	Leave Pay-out	Labor	1,117								
27	G252301002501000	WCDPS	Fringe Benefits	Benefits	-	1,799,963	228,595	2,028,558	2,089,415	2,152,098	2,216,660	2,283,160	2,351
28	G252301002501010	WCDPS	FICA	Benefits	181,764	-	-	2,020,000	2,009,115	2,102,090	2,210,000	-	2,00
29	G252301002501010	WCDPS	Medicare	Benefits	42,509	-	-	-		-		-	
30	G252301002501020	WCDPS	Retire Contrb-EE Sv	Benefits	723,449	-		-	-	-			
31	G252301002501060	WCDPS	Health-Cigna High	Benefits	-	-	-	-	-	-	-	-	
32	G252301002501061	WCDPS	Health OAP 90%	Benefits	117,152	-	-	-	-	-	-	-	
33	G252301002501062	WCDPS	Health-HSA Plan	Benefits	2,800	-	-	-	-	-	-	-	
34	G252301002501063	WCDPS	Health-MyChoice	Benefits	21,094	-	-	-	-	-	-	-	
35	G252301002501070	WCDPS	Health-Cigna Low	Benefits	74,323	-	-	-	-	-	-	-	
86	G252301002501080	WCDPS	Health-BC/BS	Benefits	-	-	-	-	-	-	-	-	
37	G252301002501090	WCDPS	Health-Kaiser	Benefits	170,470	-	-	-	-	-	-	-	
38	G252301002501100	WCDPS	Insurance-Group Life	Benefits	4,209	-	-	-	-	-	-	-	
39	G252301002501110	WCDPS	Delta Dental	Benefits	14,374	-	-	-	-	-	-	-	
40	G252301002502150	WCDOE	Workers Comp Idmty-P	Benefits		-	-	-	-	-	-	-	
41	G252301002502150	WCDOE	Employee Claim Write-off	Benefits	-	-	-	-	-	-	-	-	
42			Total Personnel Services		\$ 4,429,814 \$	6,101,983	\$ 774,952 \$	6,876,935	\$ 7,083,243 \$	7,295,740	\$ 7,514,612 \$	7,740,051 \$	7,97
			Operating Expenses										
43	G252301002510000	WCDOE	Office Equip&Furnit	Inflation	\$ 11,573 \$	12,125	s - s	12,125	\$ 12,404 \$	12,664	\$ 12,918 \$	13,202 \$	1
44	G252301002510020	WCDOE	Office Supplies	Inflation	1,016	-	-	-	-	-	-	-	
45	G252301002510030	WCDOE	Computer Equipment	Inflation	\$ 124 \$	-	s - s	-	s - s	-	s - s	- \$	
6	G252301002510050	WCDOE	IT Replacement Part	Inflation	-	-	-	-	-	-	-	-	
	G252301002510040	WCDOE	Computer Acces&Supl	Inflation	S - S	5,000	s - s	5,000	\$ 5,115 \$	5,222	\$ 5,327 \$	5,444 \$	
	G252301002510080	WCDOE	Postage	Inflation	-	-	-	-	-	-	-	-	
8		WCDOE	Bldg Maint & Repair	Repair	\$ 44,812 \$	130,276	s - s	130,276	\$ 135,487 \$	140,907	\$ 146,543 \$	152,404 \$	15
48 49	G252301002510200		Electric Supplies	Inflation	1,193	-	-	-	-	-	-	-	
48 49 50	G252301002510200 G252301002510202	WCDOE						-	-	-	-	-	
48 49 50 51	G252301002510200 G252301002510202 G252301002510203	WCDOE	Hardware	Inflation	919								
48 49 50 51 52	G252301002510200 G252301002510202 G252301002510203 G252301002510203	WCDOE WCDOE	Hardware HVAC Supplies	Inflation	\$ (71) \$		• •		s - s		s - s	- \$	
48 49 50 51 52 53	G252301002510200 G252301002510202 G252301002510203 G252301002510204 G252301002510205	WCDOE WCDOE WCDOE	Hardware HVAC Supplies Lightbulbs	Inflation Inflation	\$ (71) \$ \$ 912 \$	-	s - s		s - s		\$ - \$ \$ - \$	- \$ - \$	
47 48 49 50 51 52 53 54	G252301002510200 G252301002510202 G252301002510203 G252301002510204 G252301002510205 G252301002510207	WCDOE WCDOE WCDOE WCDOE	Hardware HVAC Supplies Lightbulbs Plumbing Supplies	Inflation Inflation Inflation	\$ (71) \$ \$ 912 \$ \$ 9,971 \$	-	s - s s - s	-	s - s s - s	-	s - s s - s	- \$ - \$	
48 49 50 51 52 53	G252301002510200 G252301002510202 G252301002510203 G252301002510204 G252301002510205	WCDOE WCDOE WCDOE	Hardware HVAC Supplies Lightbulbs	Inflation Inflation	\$ (71) \$ \$ 912 \$		s - s		s - s		s - s s - s		1

Projection of Operating Expenses

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	222301002510600 V 222301002510610 V 223201002510620 V 223201002510630 V 223201002510630 V 223201002510650 V 223201002510650 V 223201002510650 V 223201002510670 V 223201002512990 V 223201002513004 V 223201002513002 V 223201002513020 V 22320100251020 V 22320100251000 V 22320100250000 V 22320100250000 V 223201002500070 V 223201002520110 V 223201002520170 V 223201002520180 V 22320100252110 V <th>VCDOE VCDOE</th> <th>Description Educational Supplie Chemicals Tools County Eng Drft&Sur Eqp⋑ Water Treat Eqp⋑ Hshl Aplnc/Supl/Rep Med&Lab Eqp and Sup Park/Ren Area Equi Other Operating Sup Goods Receipt W/O P Dissel Fuel Automotive Equp⋑ Fire Protec Eqp⋑ Ofe Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Dubs Stafe Equ@Sup Other Maint & Repai Edw Training Service Other Maint & Repai Edw Training Service Transportation Services Safety&Emergency Sv Health Related Srvs Headth Related Srvs Licensing Fees Mise Services</th> <th>Escalation Reference Inflation</th> <th>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</th> <th>Actual 2023 336 \$ 91 14,971 1,304 \$ 35,786 - \$ 23,869 5 1,525 10,335 8,788 9,502 \$ 1,527 1,527 1,528 \$ 8,788 9,502 \$ 1,527 1,527 1,528 \$ 3,7,42 3,609 161 3,748 \$ 1,0230 223,628 \$</th> <th>Adopted 2024 5,000 S 5,000 S 5,000 S 109,028 109,028 109,028 5,000 S 109,028 5,000 S 109,028 5,000 S 109,028 5,000 S 10,000 S 10,0</th> <th>Adjustments</th> <th>Adjusted 2024 5,000 50,000 4,999 5,000 5,000 109,028 17,1134 10,000</th> <th>Adjusted 2025 \$ 5,115 \$ 5,115 \$ 5,115 \$ 5,114 \$ 5,114 \$ 5,115 \$ 5,200 \$ 5,2000 \$ 5,50,000 \$ 5</th> <th>2026 5,222 § 5,222 § 5,222 § 5,222 § 5,222 § 5,222 § 11,3,878 § 17,896 § 10,445 § 10,445 § 5,4080 § 47,672 § 5,200 §</th> <th>53,269 5,326 5,326 5,327 5,327 116,155 116,155 118,254 10,654 5 5 5 5 5 5 5 5 5 5 5 5 5</th> <th>2028 5,444 \$ 54,441 5,444 \$ 5,444 \$ 5,444 \$ 5,444 \$ 118,711 118,711 18,655 5 10,888 - \$ 5 10,888 - \$ 5 5,6243 \$ 5,6243 \$ 5,6243 \$ 5 5,6243 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5</th> <th>2029 5,564 55,638 5,563 5,564 121,322 11,128 11,128 60,833 53,624 5,8443</th>	VCDOE VCDOE	Description Educational Supplie Chemicals Tools County Eng Drft&Sur Eqp⋑ Water Treat Eqp⋑ Hshl Aplnc/Supl/Rep Med&Lab Eqp and Sup Park/Ren Area Equi Other Operating Sup Goods Receipt W/O P Dissel Fuel Automotive Equp⋑ Fire Protec Eqp⋑ Ofe Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Dubs Stafe Equ@Sup Other Maint & Repai Edw Training Service Other Maint & Repai Edw Training Service Transportation Services Safety&Emergency Sv Health Related Srvs Headth Related Srvs Licensing Fees Mise Services	Escalation Reference Inflation	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Actual 2023 336 \$ 91 14,971 1,304 \$ 35,786 - \$ 23,869 5 1,525 10,335 8,788 9,502 \$ 1,527 1,527 1,528 \$ 8,788 9,502 \$ 1,527 1,527 1,528 \$ 3,7,42 3,609 161 3,748 \$ 1,0230 223,628 \$	Adopted 2024 5,000 S 5,000 S 5,000 S 109,028 109,028 109,028 5,000 S 109,028 5,000 S 109,028 5,000 S 109,028 5,000 S 10,000 S 10,0	Adjustments	Adjusted 2024 5,000 50,000 4,999 5,000 5,000 109,028 17,1134 10,000	Adjusted 2025 \$ 5,115 \$ 5,115 \$ 5,115 \$ 5,114 \$ 5,114 \$ 5,115 \$ 5,200 \$ 5,2000 \$ 5,50,000 \$ 5	2026 5,222 § 5,222 § 5,222 § 5,222 § 5,222 § 5,222 § 11,3,878 § 17,896 § 10,445 § 10,445 § 5,4080 § 47,672 § 5,200 §	53,269 5,326 5,326 5,327 5,327 116,155 116,155 118,254 10,654 5 5 5 5 5 5 5 5 5 5 5 5 5	2028 5,444 \$ 54,441 5,444 \$ 5,444 \$ 5,444 \$ 5,444 \$ 118,711 118,711 18,655 5 10,888 - \$ 5 10,888 - \$ 5 5,6243 \$ 5,6243 \$ 5,6243 \$ 5 5,6243 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5	2029 5,564 55,638 5,563 5,564 121,322 11,128 11,128 60,833 53,624 5,8443
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	252301002510400 V 252301002510600 V 252301002510610 V 252301002510610 V 252301002510600 V 252301002510630 V 252301002510630 V 252301002510650 V 252301002510660 V 252301002510670 V 25230100251070 V 25230100251070 V 25230100251070 V 25230100251020 V 25230100251020 V 252301002514020 V 252301002514020 V 252301002520010 V 252301002520070 V 252301002520070 V 252301002520070 V 252301002521050 V	VCDOE VCDOE	Educational Supplie Chemicals Tools County Eng Drft&Sur Eqn⋑ Water Treat Eqn⋑ Hshl ApInc/Supl/Rep Mcd&Lab Eqn and Sup Park/Ren Area Equi Other Operating Sup Goods Receipt W/O P Diesel Fuel Automotive Equp⋑ Fire Protec Eqn⋑ Gie Eqn Maint&Repair Bldg Maint&Repair Construct Maint/Repr Automotive Equip M&R Other Pin Christ Service Other Pin Christ Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services	Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Inflation Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s s s s s	336 \$ 91 14,971 1,304 \$ 35,786 - \$ 23,869 - \$ 23,869 - \$ 5,25 10,335 - \$ 8,78 9,502 \$ 1,525 10,335 - \$ 8,782 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 3,748 \$ 3,609 161 23,628 \$	5,000 \$ 50,000 \$ 50,000 \$ 5,000 \$ 5,000 \$ 109,028 \$ 17,134 \$ 10,000 \$ 44,075 \$ 50,000 \$ 44,075 \$ 150,000 \$	2 - 2 - 3 - 2	5,000 50,000 4,999 5,000 109,028 17,134 10,000 50,000 44,075	\$ 5,115 \$ \$ 51,150 \$ 51,150 \$ 51,150 \$ 5,114 \$ \$ 5,115 \$ \$ 5,115 \$ \$ 111,536 \$ 117,528 \$ 17,528 \$ 10,230 \$ 52,000 \$ \$ 52,000 \$	5,222 § 52,224 § 52,224 § 5,222 § 5,222 § 5,222 § 113,878 § 17,896 § 10,445 § 54,080 § 54,080 §	5,327 \$ 53,269 5,3,269 5,3,26 \$ 5,327 \$ 116,155 18,254 18,254 10,654 5 5 5 5 10,654 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5,444 \$ 54,441 \$ 5,444 \$ 5,444 \$ 5,444 \$ 118,711 \$ 18,655 \$ 5,655 \$ 5,8,493 \$ 5,1,562 \$ 5,6243 \$	5,564 5,5638 5,5638 5,564 5,564 5,564 121,322 19,066 19,066 19,066 11,128
158 G2 159 G3 160 G2 161 G2 162 G2 163 G2 164 G2 165 G2 166 G2 167 G2 170 G2 171 G2 173 G2 174 G2 175 G2 178 G2 178 G2 180 G2 181 G2 184 G2 185 G2 186 G2 199 G2	222301002510600 V 222301002510610 V 223201002510620 V 223201002510630 V 223201002510630 V 223201002510650 V 223201002510650 V 223201002510650 V 223201002510670 V 223201002512990 V 223201002513004 V 223201002513002 V 223201002513020 V 22320100251020 V 22320100251000 V 22320100251000 V 22320100250000 V 223201002500070 V 223201002520110 V 223201002520170 V 223201002520180 V 22320100252110 V <th>VCD06 VCD06 VCD06 VCD06 VCD06 VCD06 VCD06 VCD07 VCD08 VCD06 VCD06 VCD06 VCD06 VCD07 VCD08 VCD08</th> <th>Chemicals Tools County Eng Drfk&Sur Eqp⋑ Water Treat Eqp⋑ Hishl Aplnc/Supl/Rep Med&Lab Eqp and Sup Park/Ren Area Equi Other Operating Sup Goods Receipt WO P Dissel Fuel Automotive Equp⋑ Fire Protec Eqp⋑ Uniform/Wear Appare Mis Pub Safe Eqp⋑ Ofe Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Construct Maint/Repr Automotive Equip M& Other Maint & Repai Edu/Training Service Other Pro Cartter Sv Public Works Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees</th> <th>Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation</th> <th>s s s s s s s s s</th> <th>91 14,971 1,304 \$ 35,786 - \$ 23,869 - \$ 23,869 - \$ 23,869 - \$ 1,525 10,335 - \$ 878 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 162 10,230 23,628 \$</th> <th>50,000 4,999 S 5,000 S 109,028 S 17,134 S 10,000 S 44,075 S 50,000 S 44,075 S 150,000 S</th> <th></th> <th>50,000 4,999 5,000 5,000 109,028 17,134 10,000 </th> <th>\$ 51,150 \$ 51,150 \$ 51,150 \$ 5,114 \$ 5,115 \$ 5,115 \$ 111,536 \$ 111,536 \$ 17,528 \$ 10,230 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ \$ 5,2,000 \$ \$ \$ 5,2,000 \$ \$ \$ \$ 5,2,000 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</th> <th>52,224 52,224 5,221 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,224 5,224 5,224 5,224 5,224 5,224 5,224 5,224 5,224 5,224 5,221 5,222 5,225 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,225 5,255 5,5555 5,555 5,555 5,555 5,555 5,5555 5,555 5,5555 5,5555 5,5555</th> <th>53,269 53,269 53,226 5,327 5,327 116,155 116,155 116,155 116,155 116,155 116,155 5 10,654 5 5 5 5 5 5 5 5 5 5 5 5 5</th> <th>54,441 5,444 5,444 5,444 5,444 118,711 18,655 10,888 5 5 5 5 5 5 5 5 5 5 5 5 5</th> <th>55,638 5,563 5,564 121,322 19,066 </th>	VCD06 VCD06 VCD06 VCD06 VCD06 VCD06 VCD06 VCD07 VCD08 VCD06 VCD06 VCD06 VCD06 VCD07 VCD08	Chemicals Tools County Eng Drfk&Sur Eqp⋑ Water Treat Eqp⋑ Hishl Aplnc/Supl/Rep Med&Lab Eqp and Sup Park/Ren Area Equi Other Operating Sup Goods Receipt WO P Dissel Fuel Automotive Equp⋑ Fire Protec Eqp⋑ Uniform/Wear Appare Mis Pub Safe Eqp⋑ Ofe Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Construct Maint/Repr Automotive Equip M& Other Maint & Repai Edu/Training Service Other Pro Cartter Sv Public Works Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees	Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s s s s s	91 14,971 1,304 \$ 35,786 - \$ 23,869 - \$ 23,869 - \$ 23,869 - \$ 1,525 10,335 - \$ 878 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 162 10,230 23,628 \$	50,000 4,999 S 5,000 S 109,028 S 17,134 S 10,000 S 44,075 S 50,000 S 44,075 S 150,000 S		50,000 4,999 5,000 5,000 109,028 17,134 10,000 	\$ 51,150 \$ 51,150 \$ 51,150 \$ 5,114 \$ 5,115 \$ 5,115 \$ 111,536 \$ 111,536 \$ 17,528 \$ 10,230 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ 5,2,000 \$ \$ \$ 5,2,000 \$ \$ \$ 5,2,000 \$ \$ \$ \$ 5,2,000 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,224 52,224 5,221 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,224 5,224 5,224 5,224 5,224 5,224 5,224 5,224 5,224 5,224 5,221 5,222 5,225 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,222 5,225 5,255 5,5555 5,555 5,555 5,555 5,555 5,5555 5,555 5,5555 5,5555 5,5555	53,269 53,269 53,226 5,327 5,327 116,155 116,155 116,155 116,155 116,155 116,155 5 10,654 5 5 5 5 5 5 5 5 5 5 5 5 5	54,441 5,444 5,444 5,444 5,444 118,711 18,655 10,888 5 5 5 5 5 5 5 5 5 5 5 5 5	55,638 5,563 5,564 121,322 19,066
159 G2 1610 G2 161 G2 162 G3 163 G2 164 G2 165 G2 166 G2 167 G2 170 G2 171 G2 173 G3 174 G3 177 G2 178 G2 180 G2 181 G2 183 G2 184 G2 195 G2 194 G3 195 G2 194 G3 195 G2 196 G2 197 G3 198 G3 199 G2 194 G2 195 G2 196 G2 197 G3 200 G2 201 G2	222301002510610 V 222301002510620 V 223201002510630 V 223201002510650 V 223201002510650 V 223201002510650 V 223201002510650 V 223201002510650 V 223201002512990 V 223201002513004 V 223201002513004 V 223201002514010 V 223201002514010 V 223201002514030 V 223201002520010 V 223201002520010 V 223201002520017 V 223201002520017 V 223201002520050 V 223201002520050 V 22320100252100 V	<pre>VCD0E V</pre>	Tools County Eng Drh&Sur Eqp⋑ Water Treat Eqp⋑ Hshl Aplnc/Sup/Rep Med&Lab Eqp and Sup Park/Rem Area Equi Other Operating Sup Goods Receipt W/O P Dissel Fuel Automotive Equp⋑ Uniform/Wear Appare Min Pub Safe Eqp⋑ Ofic Eqp Maint&Repair Bldg Maint&Rep Sves Plumbing M&R Construct Maint&Rep Automotive Equip M&R Pub Safety Equip M& Other Maint & Repai Edu/Training Service Other Pro Chrett Sve Public Works Service Transportation Services Safety&Emergency Sv Health Related Svis Licensing Fees	Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s s s s s s	$\begin{array}{ccccccc} 14,971\\ 1,304 & \$\\ 35,786 & \\ & & \\$	- \$ 50,000 4,999 \$ 5,000 \$ 109,028 - \$ 10,000 - \$ 50,000 \$ - \$ 44,075 150,000 \$ - 10,000	- S - S - S - S - S - S - S - S	50,000 4,999 5,000 5,000 109,028 - 17,134 - 10,000 - 50,000 44,075	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,224 5,221 5,222 5,222 113,878 - \$ 10,445 - \$ 10,445 - \$ 5,4,080 5,4,080	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- \$ 54,441 5,443 \$ 5,444 \$ 118,711 - \$ - \$ 18,655 - \$ 10,888 - \$ 51,565 \$ 51,562 \$ 56,243 \$	5,563 5,564 5,564 121,322 19,066
	222301002510630 V 223201002510630 V 22320102510630 V 22320102510650 V 223201002510660 V 223201002510660 V 223201002510670 V 223201002510670 V 223201002512992 V 223201002513004 V 223201002513020 V 223201002514010 V 223201002514020 V 223201002514030 V 22320100250000 V 2232010025000 V 2232010025000 V 2232010025000 V 2232010025000 V 2232010025000 V 2232010025000 V 2232010025100 V 22320100252100 V 2	VCDOE VCDOE	Eng Drik&Sur Esp⋑ Water Treat Esp⋑ Hshl Aplnc/Supl/Rep Mcd&Lab Egn and Sup Park/Ren Area Equi Other Operating Sup Goods Receipt W/O P Diesel Fuel Automotive Equp⋑ Fire Protec Esp⋑ Uniform/Wear Appare Mis Pub Safe Esp⋑ Ofe Esp Maint&Repair Bldg Maint&Repair Construct Maint/Repr Automotive Equip M& Other Maint & Repair Edu/Training Service Other Pro Christ Svs Public Works Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees	Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s s s s s s	1.304 \$ 35,786 - \$ 23,869 - \$ 1.525 10,335 - \$ 878 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 23,628 \$	- \$ 50,000 4,999 \$ 5,000 \$ 109,028 - \$ 10,000 - \$ 50,000 \$ - \$ 44,075 150,000 \$ - 10,000	- S - S - S - S - S - S - S - S	50,000 4,999 5,000 5,000 109,028 - 17,134 - 10,000 - 50,000 44,075	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,224 5,221 5,222 5,222 113,878 - \$ 10,445 - \$ 10,445 - \$ 5,4,080 5,4,080	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- \$ 54,441 5,443 \$ 5,444 \$ 118,711 - \$ - \$ 18,655 - \$ 10,888 - \$ 51,565 \$ 51,562 \$ 56,243 \$	- 5,563 5,564 121,322 - 19,066 - 11,128 - - - - - - - - - - - - - - - - - - -
	222301002510630 V 223201002510650 V 223201002510650 V 223201002510660 V 223201002510660 V 223201002510660 V 223201002512990 V 223201002512990 V 223201002513004 V 223201002514010 V 223201002514010 V 223201002514010 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520050 V 223201002520050 V 22320100252100 V 22320100252100 V 22320100252100 V 22320100252100 V 223201002521140 V 22320100252150 V 22320100252150 V 22320100252150 V 22320100252150 V	VCDOE VCDOE	Water Treat Eqn⋑ Hishl AphneSup/Rep Med&Lab Eqn and Sup Park/Rem Area Equi Other Operating Sup Goods Receipt W/O P Diesel Fuel Automotive Equp⋑ Fire Protee Eqn⋑ Uniform/Wear Appare Mis Pub Safe Eqn⋑ Ofie Eqn Maint&Repair Bldg Maint&Repair Construct Maint/Repr Automotive Equip M&R Other Pio Chreth Sveriee Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Svis Licensing Fees	Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s s s s s s	35,786 - \$ 23,869 5 1,525 10,335 - \$ 878 9,502 2,538 3,742 17,482 3,609 161 3,748 3,609 161 3,748 23,628 5	50,000 4,999 S 5,000 S 109,028 - S 10,000 S 44,075 15,0000 S 44,075 10,000 S	- S - S - S - S - S - S - S - S	4,999 5,000 5,000 109,028 - 17,134 - 10,000 - 50,000 44,075	51,150 S 5,114 S 5,115 S 5,115 S 5,115 S 111,536 S - S 10,230 S - S S 52,000 S 45,838	52,224 5,221 5,222 5,222 5,222 113,878 17,896 5,006 5,0000 5,000 5,000 5,00000	53,269 5,326 \$ 5,327 \$ 5,327 \$ 116,155 - \$ 18,254 5,10,654 5,26,243 \$ 49,578	54,441 5,443 \$ 5,444 \$ 118,711 - \$ 118,655 - \$ 10,888 - \$ 51,665 - \$ 51,562 56,243 \$	5,563 5,564 5,564 121,322 19,066 11,128 60,833 53,624 58,493
162 33 163 32 164 32 165 32 166 32 167 32 168 32 170 32 171 32 173 32 174 32 175 52 177 62 177 62 177 62 181 62 182 62 183 62 184 62 185 62 188 62 187 62 190 62 191 62 193 62 194 62 195 62 198 62 199 62 198 62 199 62 198 62 199 62 198 62	222301002510650 V 222301002510660 V 2252301002510670 V 2252301002510670 V 252301002510670 V 25230100251090 V 252301002512992 V 252301002513004 V 252301002513020 V 252301002514020 V 252301002514020 V 25230100250000 V 25230100250010 V 25230100250000 V 25230100250070 V 25230100251100 V 252301002521050 V 252301002521050 V 25230100252100 V 25230100252110 V 252301002521210 V 252301002521200 V 252301002521200 V <td>VCDOE VCDOE</td> <td>Hshl Aplnc/Supl/Rep Med&Lab Eqn and Sup Park/Retn Area Equi Other Operating Sup Goods Receipt W/O P Diesel Fuel Automotive Equp⋑ Fire Protee Eqp⋑ Ofe Eqp Maint&Repair Bldg Maint&Repair Differ Equip M& Other Pin Chirt Svo Publis Gervice Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees</td> <td>Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation</td> <td>s s s s s s s s</td> <td>- \$ - \$ 23,869 - \$ 10,335 - \$ 10,335 - \$ 878 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 23,628 \$</td> <td>4,999 S 5,000 S 109,028 - S 109,028 - S 10,000 S 10,000 S 10,000 S 44,075 - S 150,000 S 10,000 S</td> <td>- S - S - S - S - S - S</td> <td>4,999 5,000 5,000 109,028 - 17,134 - 10,000 - 50,000 44,075</td> <td>s 5,114 s 5,115 s 5,115 s 111,536 s - s 117,528 s - s 10,230 s - s s 52,000 s 45,838</td> <td>5,221 \$ 5,222 \$ 5,222 \$ 113,878 - \$ 17,896 - \$ 10,445 - \$ 54,080 \$</td> <td>5 5,326 \$ 5,327 \$ 5 5,327 \$ 116,155 5 - \$ 18,254 5 - \$ 10,654 5 - \$ 10,654 5 - \$ 5,56,243 \$</td> <td>5,443 \$ 5,444 \$ 118,711 - \$ 18,655 \$ 10,888 \$ \$ 58,493 \$ 51,562 \$ 56,243 \$</td> <td>5,563 5,564 5,564 121,322 19,066 11,128 60,833 53,624 58,493</td>	VCDOE VCDOE	Hshl Aplnc/Supl/Rep Med&Lab Eqn and Sup Park/Retn Area Equi Other Operating Sup Goods Receipt W/O P Diesel Fuel Automotive Equp⋑ Fire Protee Eqp⋑ Ofe Eqp Maint&Repair Bldg Maint&Repair Differ Equip M& Other Pin Chirt Svo Publis Gervice Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees	Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s s s s	- \$ - \$ 23,869 - \$ 10,335 - \$ 10,335 - \$ 878 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 23,628 \$	4,999 S 5,000 S 109,028 - S 109,028 - S 10,000 S 10,000 S 10,000 S 44,075 - S 150,000 S 10,000 S	- S - S - S - S - S - S	4,999 5,000 5,000 109,028 - 17,134 - 10,000 - 50,000 44,075	s 5,114 s 5,115 s 5,115 s 111,536 s - s 117,528 s - s 10,230 s - s s 52,000 s 45,838	5,221 \$ 5,222 \$ 5,222 \$ 113,878 - \$ 17,896 - \$ 10,445 - \$ 54,080 \$	5 5,326 \$ 5,327 \$ 5 5,327 \$ 116,155 5 - \$ 18,254 5 - \$ 10,654 5 - \$ 10,654 5 - \$ 5,56,243 \$	5,443 \$ 5,444 \$ 118,711 - \$ 18,655 \$ 10,888 \$ \$ 58,493 \$ 51,562 \$ 56,243 \$	5,563 5,564 5,564 121,322 19,066 11,128 60,833 53,624 58,493
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	222301002510660 V 222301002510670 V 223201002512990 V 22320102512990 V 223201002513004 V 223201002513004 V 223201002513004 V 223201002514010 V 223201002514010 V 223201002514030 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520050 V 223201002520050 V 223201002520050 V 223201002520050 V 223201002520010 V 223201002520110 V 223201002521100 V 223201002521100 V 223201002521140 V 223201002521200 V 223201002521200 V 223201002521200 V 223201002521200 V </td <td>VCDOE VCDOE</td> <td>Med&Lab Eqp and Sup Park/Ren Arca Equi Other Operating Sup Goods Receipt W/O P Diesel Fuel Automotive Equp⋑ Fire Prote Equp⋑ Uniform/Wear Appare Mis Pub Safe Equ⋑ Ofe Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Automotive Equip M&R Pub Safety Equip M&R Pub Safety Equip M&R Other Maint & Repai Edu/Training Service Other Pio Chrief Service Transportation Services Safety&Emergency Sv Health Related Sris Licensing Fees Mise Services</td> <td>Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation</td> <td>s s s s s s s s</td> <td>- \$ 23,869 - \$ 1,525 10,335 - \$ 878 9,502 5,577 2,538 5 37,742 17,482 3,609 161 3,748 \$ 10,230 223,628 \$</td> <td>5,000 5,000 \$ 109,028 - \$ 10,134 - \$ 10,000 - \$ 50,000 \$ 44,075 150,000 \$</td> <td>- S - S - S - S - S - S</td> <td>5,000 5,000 109,028 - 17,134 - 10,000 - 50,000 44,075</td> <td>5,115 5,115 5,115 5 111,536 5 - - - - - - - - - - - - -</td> <td>5,222 § 5,222 § 113,878 17,896 10,445 54,080 § 47,672</td> <td>5,327 5,327 116,155 18,254 10,654 5 10,654 5 5 5 5 5 5 5 5 5 5 5 5 5</td> <td>5,444 5,444 \$ 118,711 - \$ 18,655 - \$ 10,888 - \$ 58,493 \$ 51,562 56,243 \$</td> <td>5,564 5,564 121,322 - 19,066 - - - - - - - - - - - - - - - - - -</td>	VCDOE VCDOE	Med&Lab Eqp and Sup Park/Ren Arca Equi Other Operating Sup Goods Receipt W/O P Diesel Fuel Automotive Equp⋑ Fire Prote Equp⋑ Uniform/Wear Appare Mis Pub Safe Equ⋑ Ofe Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Automotive Equip M&R Pub Safety Equip M&R Pub Safety Equip M&R Other Maint & Repai Edu/Training Service Other Pio Chrief Service Transportation Services Safety&Emergency Sv Health Related Sris Licensing Fees Mise Services	Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation	s s s s s s s s	- \$ 23,869 - \$ 1,525 10,335 - \$ 878 9,502 5,577 2,538 5 37,742 17,482 3,609 161 3,748 \$ 10,230 223,628 \$	5,000 5,000 \$ 109,028 - \$ 10,134 - \$ 10,000 - \$ 50,000 \$ 44,075 150,000 \$	- S - S - S - S - S - S	5,000 5,000 109,028 - 17,134 - 10,000 - 50,000 44,075	5,115 5,115 5,115 5 111,536 5 - - - - - - - - - - - - -	5,222 § 5,222 § 113,878 17,896 10,445 54,080 § 47,672	5,327 5,327 116,155 18,254 10,654 5 10,654 5 5 5 5 5 5 5 5 5 5 5 5 5	5,444 5,444 \$ 118,711 - \$ 18,655 - \$ 10,888 - \$ 58,493 \$ 51,562 56,243 \$	5,564 5,564 121,322 - 19,066 - - - - - - - - - - - - - - - - - -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	222301002512990 V 223201002512992 V 223201002513004 V 223201002513004 V 223201002514001 V 223201002514010 V 223201002514010 V 223201002514010 V 223201002514030 V 223201002520000 V 223201002520010 V 223201002520010 V 223201002520020 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520010 V 223201002520110 V 22320100252108 V 22320100252108 V 22320100252109 V 223201002521140 V 223201002521210 V 22320100252120 V 22320100252120 V 223201002521200 V 223201002521200 V 223201002521200 V 223201002521200 V	VCDOE VCDOE	Park/Rem Area Equi Other Operating Sup Goods Receipt W/O P Dissel Fuel Automotive Equp⋑ Fire Protec Eqp⋑ Oti Eqp Maint&Reparr Bidg Maint&Reparr Bidg Maint&Reps Oti Eqp Maint&Reparr Bidg Maint&Rep Pubbiat&Rep Pubbiat&Rep Pubbiat&Rep Pubbiat&Rep Edu/Training Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services	Inflation Inflation Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s s	23,869 - \$ 1,525 10,335 - \$ 878 9,502 1,527 2,538 3,742 17,482 3,609 161 3,748 \$ 10,230 223,628 \$	5,000 \$ 109,028 - \$ 17,134 - \$ 10,000 - \$ 50,000 \$ 150,000 \$ 	- S - S - S - S	5,000 109,028 - 17,134 - 10,000 - 50,000 44,075	\$ 5,115 \$ 111,536 \$ - \$ \$ 17,528 \$ - \$ 10,230 \$ - \$ \$ 52,000 \$ 45,838	5,222 \$ 113,878 5,222 \$ 113,878 5,896 5,4080 \$ 47,672	5, 5,327 \$ 116,155 18,254 10,654 10,654 5, - \$ 5, 56,243 \$ 49,578	5,444 \$ 118,711 - \$ 18,655 - \$ 10,888 - \$ 58,493 \$ 51,562 56,243 \$	5,564 121,322 19,066 - - - - - - - - - - - - - - - - - -
166 GZ 167 GZ 168 GZ 170 GZ 171 GZ 172 GZ 173 GZ 174 GZ 177 GZ 178 GZ 180 GZ 181 GZ 183 GZ 184 GZ 185 GZ 184 GZ 185 GZ 186 GZ 199 GZ 191 GZ 192 GZ 193 GZ 194 GZ 195 GZ 198 GZ 199 GZ 200 GZ 201 GZ 202 GZ 203 GZ 204 GZ	222301002512992 V 2252301002513020 V 2252301002514020 V 252301002514020 V 252301002514020 V 252301002514020 V 252301002514020 V 252301002514020 V 25230100250000 V 25230100250010 V 25230100250000 V 25230100252100 V	VCDOE VCDOE	Goods Receipt WO P Diesel Fuel Automotive Equp⋑ Fire Protec Eqp⋑ Ofc Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Rep Sves Plumbing M&R Construct Maint/Repr Automotive Equip M&R Other Maint & Repai Edu/Training Service Other Prior Chrert Sve Public Works Service Transportation Services Safety&Emergency Sv Health Related Svis Licensing Fees Mise Services	Inflation Inflation Inflation Inflation Inflation Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s	\$ 10,335 9,502 1,527 2,538 3,7,742 17,482 3,609 161 3,748 10,230 223,628 \$	- \$ 17,134 - \$ 10,000 - \$ 50,000 \$ 44,075 150,000 \$ 10,000	- S - S - S	17,134 10,000 50,000 44,075	\$ - \$ 17,528 \$ - \$ 10,230 \$ - \$ \$ 52,000 \$ 45,838	- \$ 17,896 - \$ 10,445 - \$ 54,080 \$ 47,672	18,254 18,254 10,654 5 5 5 5 6,243 5 49,578	- \$ 18,655 - \$ 10,888 - \$ 58,493 \$ 51,562 56,243 \$	19,066 11,128 60,833 53,624 58,493
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	222321002513004 V 222321002513020 V 223201002514010 V 2252301002514010 V 2252301002514030 V 225230100251000 V 25230100250000 V 25230100250000 V 25230100250010 V 25230100250000 V 25230100250000 V 25230100250000 V 25230100250000 V 25230100250000 V 25230100250070 V 2523010025010 V 25230100250100 V 25230100250100 V 25230100250100 V 25230100250100 V 25230100251100 V 25230100251100 V 25230100251210 V 25230100252120 V 25230100252000 V 25230100252030 V 25230100252030 V 25230100252030 V 252301002520300 V <t< td=""><td>VCDOE VCDOE</td><td>Diesel Fuel Automotive Equp⋑ Fire Prote: Eqp⋑ Uniform/Wear Appare Mis Pub Safe Eqp⋑ Ofe Eqp Maint&Repair Bldg Maint&Reps Dldg Maint&Reps Construct Maint/Repr Automotive Equip M&R Pub Safety Equip M& Other Maint & Repai Edu/Training Service Other Prior Chret Svo Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services</td><td>Inflation Inflation Inflation Inflation Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation</td><td>s s s s s</td><td>1,525 10,335 - \$ 878 9,502 1,527 2,538 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 223,628 \$</td><td>17,134 - \$ 10,000 - \$ 50,000 \$ 44,075 150,000 \$ 10,000</td><td>- S - S - S</td><td>10,000 - 50,000 44,075</td><td>17,528 \$ - \$ \$ 10,230 \$ - \$ \$ 52,000 \$ 45,838</td><td>17,896 - \$ 10,445 - \$ 54,080 \$ 47,672</td><td>18,254 10,654 5 56,243 \$ 49,578</td><td>18,655 10,888 - \$ 58,493 \$ 51,562 56,243 \$</td><td>11,128 60,833 53,624 58,493</td></t<>	VCDOE VCDOE	Diesel Fuel Automotive Equp⋑ Fire Prote: Eqp⋑ Uniform/Wear Appare Mis Pub Safe Eqp⋑ Ofe Eqp Maint&Repair Bldg Maint&Reps Dldg Maint&Reps Construct Maint/Repr Automotive Equip M&R Pub Safety Equip M& Other Maint & Repai Edu/Training Service Other Prior Chret Svo Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services	Inflation Inflation Inflation Inflation Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s s	1,525 10,335 - \$ 878 9,502 1,527 2,538 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 223,628 \$	17,134 - \$ 10,000 - \$ 50,000 \$ 44,075 150,000 \$ 10,000	- S - S - S	10,000 - 50,000 44,075	17,528 \$ - \$ \$ 10,230 \$ - \$ \$ 52,000 \$ 45,838	17,896 - \$ 10,445 - \$ 54,080 \$ 47,672	18,254 10,654 5 56,243 \$ 49,578	18,655 10,888 - \$ 58,493 \$ 51,562 56,243 \$	11,128 60,833 53,624 58,493
168 G2 169 G3 170 G2 171 G2 172 G2 173 G2 174 G2 175 G2 176 G2 177 G2 178 G2 180 G2 181 G2 184 G2 188 G2 184 G2 190 G2 191 G2 192 G3 193 G2 194 G2 195 G2 198 G2 198 G2 199 G3 200 G2 201 G2 202 G3 203 G2 204 G2	222310002513020 V 223231002514010 V 223201002514010 V 223201002514010 V 223201002514030 V 223201002514030 V 223201002520000 V 223201002520010 V 223201002520017 V 22330100252000 V 22330100252000 V 22330100252000 V 223301002520050 V 22330100252010 V 22330100252010 V 223301002521080 V 223201002521100 V 223201002521100 V 223201002521140 V 223201002521150 V 223201002521200 V	VCDOE VCDOE	Automotive Equp⋑ Fire Protec Equ⋑ Uniform/Wear Appare Mis Pub Safe Equ⋑ Ofc Eqn Maint&Repair Bldg Maint&Rep Sves Plumbing M&R Construct Maint/Repr Automotive Equip M&R Pub Safety Equip M& Other Maint & Repai Edu/Training Service Other Pin of Chrer Sve Public Works Service Transportation Services Safety&Emergency Sv Health Related Svis Licensing Fees Mise Services	Inflation Inflation Inflemp Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s	10,335	- \$ 10,000 - \$ 50,000 \$ 44,075 150,000 \$ -	- s - s	10,000 - 50,000 44,075	\$ - \$ 10,230 \$ - \$ \$ 52,000 \$ 45,838	- \$ 10,445 - \$ 54,080 \$ 47,672	- \$ 10,654 - \$ 56,243 49,578	- \$ 10,888 - \$ 58,493 \$ 51,562 56,243 \$	11,128 60,833 53,624 58,493
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	222321002514010 V 225231002514020 V 225231002514030 V 225231002520000 V 252320102520010 V 252301002520010 V 252301002520010 V 252301002520017 V 252301002520000 V 252301002520000 V 252301002520070 V 25230100252010 V 25230100252105 V 25230100252108 V 25230100252108 V 25230100252109 V 25230100252100 V 25230100252100 V 25230100252100 V 25230100252100 V 25230100252100 V 25230100252120 V 25230100252020 V 25230100252120 V 25230100252030 V 25230100252030 V 25230100252030 V 252301002520300 V 25230100252000 V	VCDOE VCDOE	Fire Protec Eqn & Sup ⁴ Uniform/Wear Appare Mis Pub Safe Eqn⋑ Ofe Eqn Maint&Repair Bldg Maint&Repair Bldg Maint&Reps Construct Maint/Repr Automotive Equip M&R Pub Safety Equip M&R Other Maint & Repai Edu/Training Service Other Pro Chitret Sve Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Services	Inflation Inf/Emp Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s	- \$ 878 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 223,628 \$	- \$ 10,000 - \$ 50,000 \$ 44,075 150,000 \$ -	- s - s	10,000 - 50,000 44,075	\$ - \$ 10,230 \$ - \$ \$ 52,000 \$ 45,838	- \$ 10,445 - \$ 54,080 \$ 47,672	- \$ 10,654 - \$ 56,243 49,578	- \$ 10,888 - \$ 58,493 \$ 51,562 56,243 \$	11,128 60,833 53,624 58,493
170 G2 171 G2 172 G2 173 G2 174 G2 175 G2 176 G2 177 G2 178 G2 180 G2 181 G2 183 G3 184 G3 185 G2 190 G2 191 G2 192 G2 194 G2 195 G3 196 G3 197 G3 198 G2 199 G2 199 G2 199 G2 200 G2 201 G2 201 G2 201 G2 201 G2 201 G2 202 G2 203 G2 204 G2 <td>222301002514020 V 222301002514030 V 225231002520000 V 225301002520010 V 225301002520010 V 252301002520017 V 252301002520017 V 25230100252007 V 252301002520070 V 252301002520070 V 25230100252010 V 25230100252010 V 25230100252100 V 25230100252100 V 25230100252100 V 25230100252110 V V252301002521140 V V252301002521150 V 25230100252120 V 25230100252150 V V25230100252150 V 25230100252150 V 252301002520200 V 252301002521250 V 252301002520304 V 252301002520300 V 252301002520300 V 252301002520300 V 252301002520300 V</td> <td>VCDOE VCDOE</td> <td>Uniform/Wear Appare Mis Pub Safe Eqp⋑ Ofic Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Plumbing M&R Construct Maint/Repr Automotive Equip M&R Pub Safety Equip M&R Other Maint & Repai Edu/Training Service Other Pro Chrter Svo Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services</td> <td>Inf/Emp Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation</td> <td>s s s s</td> <td>878 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 223,628 \$</td> <td>10,000 - \$ 50,000 \$ 44,075 150,000 \$ </td> <td>- s - s</td> <td>50,000 44,075</td> <td>\$ - \$ \$ 52,000 \$ 45,838</td> <td>10,445 - \$ 54,080 \$ 47,672</td> <td>10,654 - \$ 56,243 \$ 49,578</td> <td>10,888 - \$ 58,493 \$ 51,562 56,243 \$</td> <td>60,833 53,624 58,493</td>	222301002514020 V 222301002514030 V 225231002520000 V 225301002520010 V 225301002520010 V 252301002520017 V 252301002520017 V 25230100252007 V 252301002520070 V 252301002520070 V 25230100252010 V 25230100252010 V 25230100252100 V 25230100252100 V 25230100252100 V 25230100252110 V V252301002521140 V V252301002521150 V 25230100252120 V 25230100252150 V V25230100252150 V 25230100252150 V 252301002520200 V 252301002521250 V 252301002520304 V 252301002520300 V 252301002520300 V 252301002520300 V 252301002520300 V	VCDOE VCDOE	Uniform/Wear Appare Mis Pub Safe Eqp⋑ Ofic Eqp Maint&Repair Bldg Maint&Repair Bldg Maint&Repair Plumbing M&R Construct Maint/Repr Automotive Equip M&R Pub Safety Equip M&R Other Maint & Repai Edu/Training Service Other Pro Chrter Svo Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services	Inf/Emp Repair Repair Repair Repair Inflation Inflation Inflation Inflation Inflation Inflation Inflation Inflation	s s s s	878 9,502 \$ 1,527 2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 223,628 \$	10,000 - \$ 50,000 \$ 44,075 150,000 \$ 	- s - s	50,000 44,075	\$ - \$ \$ 52,000 \$ 45,838	10,445 - \$ 54,080 \$ 47,672	10,654 - \$ 56,243 \$ 49,578	10,888 - \$ 58,493 \$ 51,562 56,243 \$	60,833 53,624 58,493
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173 62 174 62 175 62 176 62 177 62 178 62 180 62 181 63 183 62 184 62 188 62 188 62 188 62 188 62 199 62 191 62 193 62 194 62 195 62 196 62 197 62 198 62 199 63 200 63 201 62 202 62 203 62 204 62	222301002520010 V 225301002520017 V 225301002520020 V 252301002520020 V 252301002520020 V 252301002520070 V 252301002520070 V 25230100252010 V 25230100252010 V 252301002521080 V 252301002521090 V 252301002521090 V 25230100252109 V 25230100252110 V 25230100252110 V 25230100252120 V 25230100252120 V 25230100252120 V 25230100252120 V 25230100252120 V 25230100252020 V 25230100252030 V 25230100252030 V 25230100252030 V 25230100252030 V 25230100252030 V 252301002524000 V 25230100252000 V 25230100252000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Bidg Maint&Rep Sves Plumbing M&R Construct Maint/Repr Automotive Equip M&R Pub Safety Equip M& Other Maint & Repai Edu/Training Service Other Pro Catnet Sve Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services	Repair Repair Inflation Inflation Repair Inflation Inflation Inflation Inflation Inflation	s s s	2,538 \$ 37,742 17,482 \$ 3,609 161 3,748 \$ 10,230 223,628 \$	44,075 150,000 \$ 10,000	-	44,075	45,838	47,672	49,578	51,562 56,243 \$	53,624 58,493
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	x2x2301002520020 V x25301002520070 V x25301002520070 V x25301002520070 V x25301002520170 V x2530100252010 V x25301002521050 V x25301002521080 V x25301002521090 V x2530100252110 V x2530100252110 V x2530100252140 V x2530100252120 V x2530100252030 V x2530100252030 V x2530100252030 V x25320100252030 V x25320100252030 V x25320100252000 V x25320100252000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Plumbing M&R Construct Main/Repr Automotive Equip M&R Pub Safety Equip M& Other Maint & Repai Edu/Training Service Other Pro Chrter Svo Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services	Repair Repair Inflation Inflation Repair Inflation Inflation Inflation Inflation Inflation	s s	17,482 \$ 3,609 161 3,748 \$ 10,230 223,628 \$	150,000 \$ 10,000	- \$				49,578	56,243 \$	53,624 58,493
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2123201002520050 V 2123201002520070 V 212301002520110 V 212301002521050 V 223201002521050 V 223201002521050 V 223201002521080 V 223201002521080 V 223201002521090 V 22320100252100 V 22320100252140 V 22320100252120 V 22320100252120 V 22320100252020 V 22320100252020 V 22320100252030 V 22320100252020 V 22320100252030 V 2232010025200 V 2232010025200 V 2232010025200 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Construct Maint/Repr Automotive Equip M&R Pub Safety Equip M& Other Maint & Repai Edu/Training Service Other Pro Cattret Sve Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Mise Services	Repair Inflation Inflation Repair Inflation Inflation Inflation Inflation Inflation	s s	3,609 161 3,748 \$ 10,230 223,628 \$	10,000	- \$	150,000	\$ 50,000 \$	52,000 \$	54,080 \$	-	-
177 62 178 62 179 62 180 62 181 62 182 62 184 63 185 63 188 62 187 62 188 62 191 62 191 62 195 62 198 62 199 63 200 63 201 62 202 62 203 62 204 62	2232310102520070 V 2232310102520110 V 223231002520150 V 2523210102521050 V 2523210102521050 V 2523210102521050 V 2523210102521100 V 252301002521100 V 252301002521140 V 252301002521140 V 252301002521210 V 25230100252120 V 25230100252020 V 252301002520300 V 252301002520300 V 252301002520300 V 252301002520300 V 252301002520300 V 252301002524000 V 252301002524000 V 25230100254000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Pub Safety Equip M& Other Maint & Repai Edu/Training Service Other Pro Critert Sve Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Services	Inflation Repair Inflation Inflation Inflation Inflation Inflation	s	161 3,748 \$ 10,230 223,628 \$		-	_				-	-
178 G2 179 G2 180 G2 181 G2 182 G2 183 G2 184 G2 185 G2 186 G2 188 G2 188 G2 190 G2 191 G2 192 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 199 G2 200 G2 201 G3 202 G2 203 G2 204 G2	222321002520110 V 252301002521050 V 252301002521050 V 252301002521050 V 252301002521050 V 252301002521100 V 25230100252100 V 25230100252100 V 25230100252110 V 25230100252120 V 25230100252120 V 25230100252020 V 25230100252030 V 252301002530304V V 252301002542000 V 25230100254200 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Other Maint & Repai Edul/Tining Service Other Pro Cntret Sve Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Services	Repair Inflation Inflation Inflation Inflation Inflation	s	3,748 \$ 10,230 223,628 \$				-	-			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	zi2z301002521050 V zi2s30100252110 V zi2s301002521110 V zi2s30100252110 V zi2s30100252110 V zi2s30100252110 V zi2s30100252110 V zi2s30100252110 V zi2s30100252110 V zi2s30100252120 V zi2s30100252120 V zi2s30100252120 V zi2s30100252120 V zi2s30100252120 V zi2s30100252030 V zi2s30100252030 V zi2s30100252030 V zi2s30100254200 V zi2s230100254000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Edu/Training Service Other Pro Chtret Sve Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Services	Inflation Inflation Inflation Inflation Inflation Inflation	s	10,230 223,628 \$	200,000 \$		10,000	10,230	10,445	10,654	10,888	11,128
180 G2 181 G2 182 G2 183 G2 184 G2 185 G2 186 G2 187 G2 188 G2 190 G2 191 G2 194 G2 195 G2 196 G2 197 G2 198 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2 203 G2 204 G2	21223210002521080 V 212230100252110 V 22530100252110 V 252301002521100 V 252301002521100 V 252301002521100 V 25230100252110 V 25230100252110 V 25230100252120 V 25230100252120 V 25230100252020 V 252301002520300 V 252301002520300 V 2523010025203004 V 2523201002542000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Other Pro Critret Sve Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Services	Inflation Inflation Inflation Inflation Inflation	Ť	223,628 \$		- \$	200,000	\$ 208,000 \$	216,320 \$	224,973 \$	233,972 \$	243,331
181 G2 182 G2 183 G2 184 G2 185 G2 186 G2 187 G2 188 G2 189 G2 190 G2 191 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 199 G2 199 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2	z252301002521110 V z252301002521090 V z25230100252100 V z252301002521100 V z252301002521140 V z252301002521210 V z252301002521210 V z252301002521210 V z252301002521210 V z25230100252120 V z252301002523020 V z25230100253030 V z252301002542000 V z252301002542000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Public Works Service Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Services	Inflation Inflation Inflation Inflation	Ť			· .						
182 G2 183 G2 184 G2 185 G2 186 G2 187 G2 188 G2 189 G2 190 G2 191 G2 194 G2 195 G2 196 G2 197 G2 200 G2 201 G2 201 G2 202 G2 203 G2 204 G2 204 G2	zi252301002521090 V zi252301002521100 V zi25230100252140 V zi25230100252140 V zi25230100252120 V zi252301002521250 V zi252301002521250 V zi25230100252020 V zi25230100252020 V zi25230100252020 V zi25230100252000 V zi252301002520040 V zi252301002542000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Comm & Media Service Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Services	Inflation Inflation Inflation		2 225	697,575 \$	- \$	697,575	\$ 300,000 \$	306,300 \$	312,426 \$	319,299 \$	326,324
183 G2 184 G2 185 G2 186 G2 187 G2 188 G2 190 G2 191 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 199 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2 2044 G2	i252301002521100 V i252301002521140 V i252301002521150 V i252301002521210 V i252301002521250 V i252301002521250 V i252301002523020 V i252301002523030 V i252301002520040 V i252301002520040 V i252301002542000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Transportation Services Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Servcices	Inflation Inflation		3,335	-	-	-		-	-	-	-
184 C2 185 G2 186 G2 187 G2 188 G2 190 G2 191 G2 192 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 200 G2 201 G2 202 G2 203 G2 204 G2	i252301002521140 V i252301002521150 V i252301002521210 V i252301002521250 V i252301002521250 V i252301002523020 V i252301002523030 V i252301002523030 V i252301002530040 V i252301002542000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Safety&Emergency Sv Health Related Srvs Licensing Fees Misc Serveices	Inflation	S	- 5	- - S	- 5	-	s - s	- 5	- 5	- 5	-
185 G2 186 G2 187 G2 188 G2 189 G2 190 G2 191 G2 192 G2 193 G2 194 G2 195 G2 197 G2 198 G2 200 G2 201 G2 202 G2 203 G2 204 G2	i252301002521150 V i252301002521210 V i252301002521250 V i252301002523020 V i252301002523020 V i252301002523030 V i252301002523030 V i2523010025230040 V i252301002542000 V	VCDOE VCDOE VCDOE VCDOE VCDOE VCDOE	Health Related Srvs Licensing Fees Misc Servcices		ه	- 5	- 3	- 3	-		- 3	- 3	- 3	
186 G2 187 G2 188 G2 190 G2 191 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 199 G2 200 G2 201 G2 203 G2 204 G2	i252301002521210 V i252301002521250 V i252301002523020 V i252301002523030 V i252301002530040 V i252301002530040 V	VCDOE VCDOE VCDOE VCDOE VCDOE	Licensing Fees Misc Servcices		s	- \$	- s	- 5	-	s - s	- 5	- s	- 5	
187 G2 188 G2 189 G2 190 G2 191 G2 192 G2 193 G2 194 G2 195 G2 196 G2 198 G2 200 G2 201 G2 202 G2 203 G2 204 G2	x252301002521250 W x252301002523020 W x252301002523030 W x252301002530040 W x252301002542000 W	VCDOE VCDOE VCDOE VCDOE	Misc Servcices	Inflation	~	-	-	-	-		-	-	-	
188 G2 189 G2 190 G2 191 G2 192 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2 204 G2	i252301002523020 V i252301002523030 V i252301002530040 V i252301002542000 V	VCDOE VCDOE VCDOE	Bent Onent Emineur	Inflation	\$	- \$	100,000 \$	- \$	100,000	\$ 102,300 \$	104,448 \$	106,537 \$	108,881 \$	111,276
190 G2 191 G2 192 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 200 G2 201 G2 203 G2 203 G2 204 G2	252301002530040 W 252301002542000 W	VCDOE	Rent- Operat Equipmn	Inflation		7,505	15,000	-	15,000	15,345	15,667	15,981	16,332	16,691
191 G2 192 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 200 G2 201 G2 203 G2 203 G2 204 G2	252301002542000 V		Rent-Construction Equipment	Inflation	\$	- \$	15,000 \$	- \$	15,000	\$ 15,345 \$	15,667 \$	15,981 \$	16,332 \$	16,691
192 G2 193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2		VCDOE	Water County	Water		-	5,000	-	5,000	5,324	5,696	6,038	6,340	6,594
193 G2 194 G2 195 G2 196 G2 197 G2 198 G2 200 G2 201 G2 202 G2 203 G2 204 G2	i252301002542050 V		Local Travel County	Inflation	\$	268 \$	- \$	- \$	-	s - s	- \$		- \$	-
194 G2 194 G2 195 G2 196 G2 197 G2 198 G2 200 G2 201 G2 202 G2 203 G2 204 G2		VCDOE	Miscellaneous Travel	Inflation	\$	1,045 \$	- \$	- \$	-	s - s	- \$	- \$	- \$	-
195 G2 196 G2 197 G2 197 G2 198 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2		VCDOE	Certification	Inflation		375	-	-	-	-	-	-	-	-
196 G2 197 G2 198 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2		VCDOE VCDOE	Mgmt/Prof Training	Inflation	s	1,669 5,475 \$	10,000 \$	-	10,000	\$ 10,230 \$	10,445 \$	10,654 \$	10,888 \$	11,128
197 G2 198 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2		VCDOE	Technical Train Cnt Non-Technical Training	Inflation Insurance	2	5,475 \$ 265	10,000 \$	- \$	10,000	\$ 10,230 \$	10,445 \$	10,654 \$	10,888 \$	11,128
198 G2 199 G2 200 G2 201 G2 202 G2 203 G2 204 G2		VCDOE	Crime Ins Prem	Insurance		263	-	-	-	-	-	-	-	-
199 G2 200 G2 201 G2 202 G2 203 G2 204 G2		VCDOE	Cash Awards	Benefits	s	- \$	- s	- 5		s - s	- 5	- s		
200 G2 201 G2 202 G2 203 G2 204 G2		VCDOE	Copying	Inflation	3	- 5		- 0					- 5	
202 G2 203 G2 204 G2		VCDOE	Assigned Agency Veh	Inflation	s	- \$	- 5	- \$	-	s - s	- 5	- 5	- \$	
202 G2 203 G2 204 G2	252301002544060 V	VCDOE	Motor Pool	Inflation		-	-		-		-	-	-	-
204 G2	252301002544070 V	VCDOE	Fuel	Fuel	\$	- \$	199,496 \$	- \$	199,496	\$ 207,476 \$	215,775 \$	224,406 \$	233,382 \$	242,717
		VCDOE	Service-Other Agenc	Inflation		40,288	-	-	-	-	-	-	-	-
205 G2		VCDOE	Internal FFX Suppor	Inflation	\$	- \$	- \$	- \$	-	s - s	- 5	- \$	- \$	-
		VCDOE	Professional Memberships	Inf/Emp		125	-	-	-	-	-	-	-	-
		VCDOE	Credit Card Expense	Inflation	\$	- \$	- \$	- \$	-	s - s	- \$		- \$	-
		VCDOE	Refuse Disposal Exp	Inflation		5,075	10,000	-	10,000	10,230	10,445	10,654	10,888	11,128
208 G2	i252301002544990 V	VCDOE	Other Operating Exp	Inflation		468	55,400	-	55,400	56,674	57,864	59,022	60,320	61,647
209			Total Operating Expenses		\$	618,335 \$	1,980,107 \$	- \$	1,980,107	\$ 1,519,395 \$	1,564,840 \$	1,610,900 \$	1,660,114 \$	1,710,899
			Recovered Costs											
		VCDRC	WPFO-Labor Charges	Labor	\$	- \$	(350,000) \$	- \$		\$ (360,500) \$	(371,315) \$		(393,928) \$	(405,746)
		VCDRC	WPFO-Agency OH Cost	Inflation		-	(198,000)	-	(198,000)	(202,554)	(206,808)	(210,944)	(215,585)	(220,327
		VCDRC	Reimb-CptlFringe Be	Benefits		-	-	-	-	-	-	-	-	-
		VCDRC	WPFO-Materials	Inflation		-	-	-	-	-	-	-	-	
	252301002543510 V	VCDRC	WPFO-Equipment	Inflation		-	(5,000)	-	(5,000)	(5,115)	(5,222)	(5,327)	(5,444)	(5,564
215			Total Recovered Costs		\$	- \$	(553,000) \$	- \$	(553,000)	\$ (568,169) \$	(583,345) \$	(598,725) \$	(614,957) \$	(631,637)
			Capital Equipment [1] [1]											
		VCDCE	Equipment Expense	Bud Cap	\$	93,697 \$	- \$	- \$	-	S - S	- 5	- \$	- \$	-
		VCDCE	Vehicles Expense	Bud Cap		833,588	6,224,549	(6,224,549)	-	-	-	-	-	-
218 G2	i252301002566999 V	VCDCE	FCG General Capital	Bud Cap		-	-		-		-	-	-	-
219			Total Capital Equipment [1] [1]		S	927,285 \$	6,224,549 \$	(6,224,549) \$	-	s - s	- 5	- \$	- S	-
220			Total WWC - Gravity Sewer		\$	5,975,434 \$	13,753,639 \$	(5,449,597) \$	8,304,042	\$ 8,034,469 \$	8,277,235 \$	8,526,787 \$	8,785,208 \$	9,051,514
			WWC - Pumping Stations											
221 G2	252301003500000 V	VCDPS	Personnel Services Regular Salaries	Labor	s	2,114,989 \$	2,415,057 \$	306,712 \$	2,721,769	\$ 2,803,422 \$	2,887,525 \$	2,974,151 \$	3,063,375 \$	3,155,277
		VCDPS	Annual Comp Increas	Labor	ه	2,114,989 \$	2,415,057 \$	306,712 \$	321.778	\$ 2,803,422 \$ 331,431	2,887,525 3	351,615	3,063,375 \$	3,155,277 373,028
		VCDPS	POS Turnover-Pay	Labor		-	(189,264)	(24,037)	(213,301)	(219,700)	(226,291)	(233,079)	(240,072)	(247,274)
		VCDPS	Reg Sal-Non Mert Em	Labor		147,934	739	94	833	858	884	910	937	966
225 G2		VCDPS	Shift Differential	Labor		-	-	-	-	-	-		-	- 50
226 G2		VCDPS	Extra pay	Labor		169,124	96,518	12,258	108,776	112,039	115,400	118,862	122,428	126,101
227 G2		VCDPS	Accrued Leave	Labor		114,558	· · ·		-	-	-		· · ·	-
228 G2	252301003500150 V	VCDPS	Bonuses	Labor		2,500	-	-	-	-	-	-	-	-
		VCDPS	Leave Pay-out	Labor		373	-	-	-	-	-	-	-	-
		VCDPS	Fringe Benefits	Benefits			1,087,980	138,173	1,226,153	1,262,938	1,300,826	1,339,851	1,380,047	1,421,448
	252301003501000 V	VCDPS	FICA	Benefits		144,671	-	-	-	-	-	-	-	-
	252301003501000 V 252301003501010 V	VCDPS VCDPS	Medicare	Benefits		33,764	-	-	-	-	-	-	-	-
	252301003501000 V 252301003501010 V 252301003501011 V		Retire Contrb-EE Sy Health Cigns High	Benefits Benefits		595,993	-	-	-	-	-	-	-	-
	\$252301003501000 V \$252301003501010 V \$252301003501010 V \$252301003501011 V \$252301003501020 V		Health-Cigna High	Benefits		119,515	-	-	-	-	-	-		-
255 02	xi252301003501000 W xi252301003501010 W xi252301003501011 W xi252301003501020 W xi252301003501020 W xi252301003501060 W	VCDPS VCDPS	Health OAP 90%											

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Table 3 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis <u>Projection of Operating Expenses</u>

							ojection of Oper	ating 12								
Line No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024	Adju	istments	Adjusted 2024		Adjusted 2025	2026 Proj	ected Fiscal Year Er 2027	nding June 30, 2028	2029
236	G252301003501062	WCDPS	Health-HSA Plan	Benefits		4,200			-			-	-	-	-	
237	G252301003501063	WCDPS	Health-MyChoice	Benefits		43,136	-		-	-		-	-	-	-	
238 239	G252301003501070 G252301003501080	WCDPS WCDPS	Health Insurance-Cigna Low Health-BC/BS	Benefits Benefits		85,826	-		-	-		-	-	-	-	
239 240	G252301003501080 G252301003501090	WCDPS	Health-BC/BS Health-Kaiser	Benefits		92,489				-			-			
240	G252301003501090	WCDPS	Insurance-Group Life	Benefits		3,484	-			-		-	-	-	-	
242	G252301003501110	WCDPS	Delta Dental	Benefits		12,497	-			-		-	-	-	-	
243	G252301003502150	WCDOE	Workers Comp Idmty-P	Benefits		-	-		-	-		-	-	-	-	
244			Total Personnel Services		\$	3,685,053 \$	3,696,547	\$	469,461 \$	4,166,008	\$	4,290,989 \$	4,419,718 \$	4,552,310 \$	4,688,879 \$	4,829,546
			Operating Expenses													
245	G252301003510000	WCDOE	Office Equip&Furnitr	Inflation		6,575	-		•	-	s	-	-	-	-	
246 247	G252301003510020 G252301003510030	WCDOE WCDOE	Office Supplies Computer Equipment	Inflation Inflation	\$ \$	276 \$ 662 \$		\$ \$	- 5			- \$ 7,673 \$	- \$ 7,834 \$	- \$ 7,990 \$	- \$ 8,166 \$	8,34
248	G252301003510040	WCDOE	Computer Acces&Supl	Inflation	φ	34	5,000	9	- 4	5,000		5,115	5,222	5,327	5,444	5,56
249	G252301003510050	WCDOE	IT Replacement Part	Inflation		-	-		-	-		-	-	-	-	-,
250	G252301003510080	WCDOE	Postage	Inflation		-	-		-	-		-	-	-	-	
251	G252301003510200	WCDOE	Bldg Maint & Repair	Repair		23,994	10,000		-	10,000		10,400	10,816	11,249	11,699	12,16
252 253	G252301003510202	WCDOE	Electrical Supplies Hardware	Repair		36,325 15,522	-		-	-		-	-	-	-	
253 254	G252301003510203 G252301003510204	WCDOE WCDOE	HVAC Supplies	Repair Repair		1,116										
255	G252301003510204	WCDOE	Lightbulbs	Repair		2,012	-		-	-			-		-	
256	G252301003510207	WCDOE	Plumbing Supplies	Repair		77,946	95,099			95,099		98,903	102,859	106,973	111,252	115,70
257	G252301003510210	WCDOE	Grnds Maint Equ&Supl	Repair		1,027	-			-		· -	· -	· -		
258	G252301003510400	WCDOE	Educational Supplies	Inflation			2,000		-	-		-	-	-	-	
259	G252301003510220	WCDOE	Lighting Equipment	Chem-Flow		2,379	-		-			-	531 (39	544 010	-	500 C ···
260 261	G252301003510600 G252301003510610	WCDOE WCDOE	Chemicals Tools County	Chem-Flow		380,729 42,946	314,166 15,235		-	314,166 15,235		500,000 15,586	521,638 15,913	544,213 16,231	567,770 16,588	592,34 16,95
261	G252301003510610 G252301003510620	WCDOE	Tools County Water Treat Eqp⋑	Inflation Inflation		-2,740			-	13,233					10,000	10,93.
263	G252301003510630	WCDOE	Eng Drft&Sur Eqp⋑	Inflation		28,737	69,046		-	69,046		70,634	72,117	73,559	75,178	76,83
264	G252301003510650	WCDOE	Hshl Aplnc/Supl/Repl	Inflation		30	-					-	-	-		,
265	G252301003510660	WCDOE	Med&Lab Eqp and Sup	Inflation		20	-		-	-		-	-	-	-	
266	G252301003512990	WCDOE	Other Operating Sup	Inflation		177,469	367,486		-	367,486		375,938	383,833	391,509	400,123	408,92
267	G252301003513004	WCDOE	Diesel Fuel	Fuel		7,315	37,685		-	37,685		39,193	40,760	42,391	44,086	45,85
268 269	G252301003513016 G252301003513020	WCDOE WCDOE	Automotive Parts	Inflation Inflation		613 12,482	5,000		-	5,000		5 115	5,222	5,327	5,444	5,56
270	G252301003513020	WCDOE	Automotive Equp⋑ Heating Fuel	Inf/Emp		2,987	5,000			5,000		5,115	3,222	5,521	5,444	5,50
271	G252301003514020	WCDOE	Uniform/Wear Appare	Inf/Emp		6,081	5,134		-	5,134		5,252	5,363	5,470	5,590	5,71
272	G252301003514030	WCDOE	Mis Pub Safe Eqp⋑	Inflation		1,985	-		-	-		-	-	-	-	
273	G252301003520000	WCDOE	Ofc Eqp Maint&Repair	Repair		209	-		-	-		-	-	-	-	
274	G252301003520010	WCDOE	Bldg Maint & Repair	Repair		6,667	50,000		-	50,000		52,000	54,080	56,243	58,493	60,83
275	G252301003520011	WCDOE	Electrical M&R	Repair		2,643	36,640		-	36,640		38,106	39,630	41,216	42,864	44,57
276	G252301003520013 G252301003520014	WCDOE WCDOE	HVAC M&R Mechanical Inspect	Repair		17,829 3,672	13,758		-	13,758		14,308	14,880	15,475	16,094	16,73
277 278	G252301003520014 G252301003520017	WCDOE	Plumbing M&R	Repair Repair		24,449	50,650			50,650		52,676	54,783	56,974	59,253	61,62
279	G252301003520020	WCDOE	Construct Maint/Repr	Repair		24,449	50,050			50,050		52,070	-	50,574	57,255	01,02.
280	G252301003520050	WCDOE	Automotive Equip M&R	Repair		-	-		-	-		-	-	-	-	
281	G252301003520110	WCDOE	Other Maint & Repai	Repair		431,543	558,401		-	558,401		580,737	603,966	628,125	653,250	679,380
282	G252301003520130	WCDOE	IT Equip Maint&Supp	Inf/Emp		603	-		-	-		-	-	-	-	
283	G252301003521040	WCDOE	Employment Services	Inf/Emp		5,451	4,544		-	4,544		4,649	4,746	4,841	4,948	5,05
284 285	G252301003521050	WCDOE	Educational/Training Services	Inf/Emp Inflation		16,805 36,690	-		-	-		-	-	-	-	
285	G252301003521060 G252301003521080	WCDOE WCDOE	Computer Services Other Pro Cntrct Sv	Inflation		22,051	240,000			240,000		245,520	250,676	255,689	261,315	267,064
287	G252301003521030	WCDOE	Comm & Media Service	Inflation			210,000		-	210,000		-	-	-	201,515	201,00
288	G252301003521130	WCDOE	Grnds/Rec/Parks Svcs	Inflation		-	-		-	-		-	-	-	-	
289	G252301003521140	WCDOE	Safety&Emergency Sv	Inflation		9,883	10,000		-	10,000		10,230	10,445	10,654	10,888	11,12
290	G252301003521210	WCDOE	Licensing Fees	Inflation		1,282	1,500		-	1,500		1,535	1,567	1,598	1,633	1,669
291	G252301003521250	WCDOE	Misc Servcices	Inflation		-	210,000		-	210,000		214,830	219,341	223,728	228,650	233,68
292	G252301003523020	WCDOE	Rent-Operating Equipment	Inflation		1 274 542	2 028 502		-	2 028 502		-	1,640,000	1,681,000	1,723,025	1,766,10
293 294	G252301003530000 G252301003530040	WCDOE WCDOE	Electricity County Water County	Electricity Water		1,374,542 38,518	2,028,502 45,587		-	2,028,502 45,587		1,600,000 48,539	51,936	55,052	57,805	60,11
294	G252301003542000	WCDOE	Local Travel County	Inflation			+5,567			- 180,04						00,11
296	G252301003542200	WCDOE	Certification	Inflation		-	-		-	-		-	-	-	-	
297	G252301003542210	WCDOE	Mgmt/Prof Training	Inflation		-	-		-	-		-	-	-	-	
298	G252301003542220	WCDOE	Technical Train Cnt	Inflation		40,150	-		-	-		-	-	-	-	
299	G252301003542030	WCDOE	Operational Travel	Inflation		-	-		-	-		-	-	-	-	
300	G252301003543000	WCDOE	Cash Awards	Benefits		-	61.074		-	61.074		62 200	64 721	66 005	67 479	10.01
301 302	G252301003544050 G252301003544060	WCDOE WCDOE	Assigned Agency Veh Motor Pool	Inflation Inflation		-	61,974		-	61,974		63,399	64,731	66,025	67,478	68,96
302	G252301003544060 G252301003544070	WCDOE	Fuel	Fuel		-	-		-	-		-	-		-	
303	G252301003544512	WCDOE	Internal FFX Suppor	Inflation		-	12,500		-	12,500		12,788	13,056	13,317	13,610	13,91
305	G252301003544538	WCDOE	Professional Memberships	Inf/Emp		-	-		-	-		-	-	-	-	
306	G252301003544540	WCDOE	Credit Card Expenditures	Inflation		-	-		-	-		-	-	-	-	
307	G252301003544090	WCDOE	Services-Other Agency	Inflation		10,050	-		-	-		-	-	-		
308	G252301003544990	WCDOE	Other Operating Exp	Inflation		8,480	24,000		-	24,000		24,552	25,068	25,569	26,131	26,70
309			Total Operating Expenses Recovered Costs		\$	2,880,777 \$	4,281,407	\$	- 5	4,279,407	\$	4,097,675 \$	4,220,483 \$	4,345,747 \$	4,476,778 \$	4,611,51
310	G252301003500121	WCDRC	WPFO-Labor Charges	Labor	\$	- \$	-	\$	- 5	-	\$	- \$	- \$	- \$	- S	
311	G252301003500122	WCDRC	WPFO-Agency OH Cost	Inflation		-	-		-	-		-	-	-	-	
312	G252301003543500	WCDRC	WPFO-Materials	Inflation		-	-		-	-		-	-	-	-	
313	G252301003543510	WCDRC	WPFO-Equipment	Inflation		-	-		-	-		-	-	-	-	
314			Total Recovered Costs		\$	- \$	-	\$	- \$	-	\$	- \$	- S	- \$	- \$	
21.5	C252201002554100		Capital Equipment [1]	D. LC	ç	^		c			<u>,</u>		~	~	~	
315 316	G252301003564100 G252301003566125	WCDCE	Construct-Equip Acq Equipment Expense	Bud Cap	\$	- \$ 142,249	71,790	\$	- \$	-	\$	- \$	- \$	- \$	- \$	
316 317	G252301003566125 G252301003566150	WCDCE	Equipment Expense Vehicles Expense	Bud Cap Bud Cap		142,249 93,762	1,271,348		(71,790)	-		-	-	-	-	
	0202001000000100	WEDEE		вий Сар						-		-	-			
318			Total Capital Equipment [1]		\$	236,011 \$	1,343,138	\$ ((1,343,138) \$	-	\$	- \$	- \$	- \$	- \$	
					\$		9,321,092		(873,677) \$	8,445,415		8,388,664 \$	8,640,201 \$	8,898,057 \$	9,165,657 \$	9,441,056

								ncy and Rate Analys	is						
						Pro	ojection of Operat	ting Expenses							
Line	07.01			Escalation		Actual	Adopted		Adjusted		Adjusted	Pro	ected Fiscal Year E		
No.	G/L Code		Description	Reference		2023	2024	Adjustments	2024		2025	2026	2027	2028	2029
			WWC - Project & Assets												
			Personnel Services												
320	G252301004500000	WCDPS	Regular Salaries	Labor	\$	2,653,570 \$	2,397,809 \$	304,522 \$	2,702,331	\$	2,783,401 \$	2,866,903 \$	2,952,910 \$	3,041,497 \$	3,132,742
321 322	G252301004500050 G252301004500050	WCDPS WCDPS	New Position-Regular Salaries Annual Comp Increas	Labor Labor		-	241.533	30,675	272.208		280.374	288.785	297.449	306.372	315.563
323	G252301004500090	WCDPS	Reg Sal Non Mert Em	Labor		117,977	2,926	30,673	3,298		3,397	3,498	3,603	3,711	3,823
324	G252301004500100	WCDPS	Shift Differential	Labor		3,205	-,				-	-	-	-	
325	G252301004500110	WCDPS	Extra pay	Labor		118,041	4	1	5		5	5	5	5	5
326 327	G252301004500130 G252301004500150	WCDPS WCDPS	Accrued Leave	Labor		(924)	-	-	-		-	-	-	-	-
327	G252301004500150 G252301004501000	WCDPS	Leave Pay Out Fringe Benefits	Benefits Benefits		2,352	1,090,247	138,461	1,228,708		1,265,570	1,303,537	1,342,643	1,382,922	1,424,410
329	G252301004501000	WCDPS	FICA	Benefits		169,083	-	-			-	-	-	-	1,424,410
330	G252301004501011	WCDPS	Medicare	Benefits		39,600	-	-	-		-	-	-	-	-
331	G252301004501020	WCDPS	Retire Contrb-EE Sy	Benefits		752,799	-	-	-		-	-	-	-	-
332 333	G252301004501060 G252301004501061	WCDPS WCDPS	Health-Cigna High Health OAP 90%	Benefits Benefits		229.520	-	-	-		-	-	-	-	-
334	G252301004501061 G252301004501062	WCDPS	Health-HSA Plan	Benefits		7,410									
335	G252301004501062	WCDPS	Health-MyChoice	Benefits		74,211	-								
336	G252301004501070	WCDPS	Health Cigna Low	Benefits		57,893	-	-	-		-	-	-	-	-
337	G252301004501080	WCDPS	Health-BC/BS	Benefits		-	-	-	-		-	-	-	-	-
338 339	G252301004501090 G252301004501100	WCDPS WCDPS	Health-Kaiser	Benefits Benefits		114,175	-	-	-		-	-	-	-	-
339 340	G252301004501100 G252301004501110	WCDPS	Insurance-Group Life Delta Dental	Benefits		4,468 16,969			-		-	-			
	0252501004501110	webra		Beliefits				-	-			-		-	-
341			Total Personnel Services		\$	4,360,349 \$	3,732,519 \$	474,030 \$	4,206,549	\$	4,332,745 \$	4,462,728 \$	4,596,610 \$	4,734,508 \$	4,876,543
			Operating Expenses												
342	G252301004510000	WCDOE	Office Equip&Furnitr	Inflation	\$	- \$	10,000 \$	- \$	10,000	\$	10,230 \$	10,445 \$	10,654 \$	10,888 \$	11,128
343	G252301004510020	WCDOE	Office Supplies	Inflation		43	-	-	-		-	-	-	-	-
344	G252301004510030	WCDOE	Computer Equipment	Inflation		114	-	-	-		-	-	-	-	-
345 346	G252301004510031 G252301004510032	WCDOE WCDOE	Computer Sys Lic Non Othr NonCap Eqpt Pur	Inflation Inflation	\$	39,281 \$	- \$	- \$	-	\$	- \$	- \$	- \$	- \$	-
347	G252301004510032	WCDOE	Computer Acces&Supl	Inflation	s	206 \$	- 5	- 5	-	\$	- \$	- \$	- \$	- 5	-
348	G252301004510610	WCDOE	Tools County	Inflation		1,453	-	-	-		-		-	-	-
349	G252301004510630	WCDOE	Water Treat Eqp&Supl	Inflation	\$	94 \$	- S	- \$	-	\$	- \$	- \$	- \$	- \$	-
350	G252301004510200	WCDOE	Bldg Materials & Sup	Inflation		110	-	-	-		-	-	-	-	-
351 352	G252301004510202 G252301004510203	WCDOE WCDOE	Electrical Supplies Hardware	Inflation Inflation	\$	- \$	- \$	- \$	-	\$	- \$	- \$	- \$	- \$	-
353	G252301004510205 G252301004510206	WCDOE	Paint/Paint Supplies	Inflation		3,280			-		-	-			
354	G252301004510200	WCDOE	Educational Supplies	Inflation	s	- \$	- 5	- 5	-	s	- 5	- 5	- s	- 5	-
355	G252301004510620	WCDOE	Eng Drft&Sur Eqp⋑	Inflation		5,000	-	-	-				-	-	-
356	G252301004510660	WCDOE	Med&Lab Eqp and Supl	Inflation	\$	- \$	- \$	- \$	-	\$	- \$	- \$	- S	- \$	-
357	G252301004510640	WCDOE	Food Srv Equip/Supl	Inflation		24		-							
358 359	G252301004512990 G252301004513016	WCDOE WCDOE	Other Operating Sup Automotive Parts	Inflation Inflation	s	30,478 1,407 \$	29,522	- s	29,522	s	30,201	30,835 - \$	31,452	32,144	32,851
359	G252301004513016 G252301004513020	WCDOE	Automotive Parts Automotive Equp&Supl	Inflation	s	337 \$	- 3	- 5		s	- 5	- 5	- 5 - 5	- 5	-
361	G252301004514000	WCDOE	Poli/Prison Eqp&Supl	Inflation	9	-			-	9		- 0	- 5	- 5	-
362	G252301004514020	WCDOE	Uniform/Wear Apparel	Repair	\$	15,697 \$	2,812 \$	- \$	2,812	\$	2,924 \$	3,041 \$	3,163 \$	3,289 \$	3,421
363	G252301004520000	WCDOE	Ofc Eqp Maint&Repair	Repair		-	-	-	-		-	-	-	-	-
364	G252301004520010	WCDOE	Bldg Maint&Rep Svcs	Repair	\$	- \$	- \$	- \$	-	\$	- \$	- \$	- \$	- \$	-
365 366	G252301004520016 G252301004520020	WCDOE WCDOE	Extermination Svcs Construct Maint/Repr	Repair Repair	s	- - S	- - S	- 5	-	s	- - S	- - S	- 5	- \$	-
367	G252301004520020 G252301004520050	WCDOE	CCTV	Inflation	3	- 3	- 3	290.000	290,000	3	168,000	171,528	174,959	178.808	182,741
368	G252301004520070	WCDOE	Pub Safety Equip M&R	Repair	s	- \$	- \$	- \$	270,000	S	- \$	- \$	- \$	- \$	102,741
369	G252301004520100	WCDOE	Scienti/Tech Eqp M&R	Repair		22,944	-	-	-		-	-	- 1	- '	-
370	G252301004520110	WCDOE	Other Maint & Repai	Repair	\$	79,155 \$	15,845 \$	- \$	15,845	\$	16,479 \$	17,138 \$	17,823 \$	18,536 \$	19,278
371 372	G252301004521050 G252301004521125	WCDOE WCDOE	Edu/Training Service	Inflation	s	650 147,896 \$	27,996		27,996 1.851.663	s	28,640 1.894.251 \$	29,241 1,934,031 \$	29,826	30,482 2.016.111 \$	31,153
372	G252301004521125 G252301004521210	WCDOE	Miss Utility Service Licensing Fees	Inflation Inflation	3	147,896 \$ 3,780	1,851,663 \$	- \$	1,851,663	3	1,894,251 \$	1,934,031 \$	1,972,711 \$	2,016,111 \$	2,060,465
374	G252301004521060	WCDOE	Computer Services	Inflation	s	39,232 \$	- s	- 5	-	s	- \$	- \$	- \$	- \$	-
375	G252301004521063	WCDOE	Tech Contrct Svcs	Inflation	-	18,000	-	-	-	,	-	-	-	-	-
376	G252301004521070	WCDOE	Print/Typeset Service	Inflation		2,500	-	-	-		-	-	-	-	-
377	G252301004521080	WCDOE	Other Pro Cntrct Sv	Inflation		816,406	459,042		459,042		469,600	479,461	489,051	499,810	510,806
378 379	G252301004521090 G252301004521250	WCDOE WCDOE	Comm & Media Serv Misc Servcices	Inflation Inflation	\$	- \$	- \$ 290,000	- \$	-	\$	- \$	- \$	- \$	- \$	-
379	G252301004521250 G252301004542000	WCDOE	Misc Serveices Local Travel County	Inflation	s	- - S	290,000			s	- 5	- - S	- 5	- \$	
381	G252301004542200	WCDOE	Technical Training County	Inflation	2	- 3	35,000	- 3	35,000	ي.	35,805	36,557	37,288	38,108	38,947
382	G252301004542050	WCDOE	Miscellaneous Travel	Inf/Emp	\$	496 \$	- \$	- \$	-	\$	- \$	- \$	- \$	- \$	-
383	G252301004542200	WCDOE	Certification	Inf/Emp	\$	1,500 \$	20,000 \$	- \$	20,000	\$	20,460 \$	20,890 \$	21,307 \$	21,776 \$	22,255
384	G252301004542210	WCDOE	Mgmt/Prof Training	Inf/Emp	s	695	-		-	ç		-	-	-	-
385 386	G252301004544538 G252301004544990	WCDOE WCDOE	Professional Memberships Other Operating Exp	Inf/Emp Inflation	3	- \$ 5,453	- \$	- \$	-	\$	- \$	- \$	- \$	- \$	-
387	3252501004544770	"CDOE		milation	s	1,236,236 \$	2,741,880 \$		2,741,880	s	- 2,676,590 \$	2,733,167 \$	2,788,234 \$	2,849,953 \$	2,913,045
38/			Total Operating Expenses		3	1,230,230 \$	2,741,880 \$	- 5	2,741,880	3	2,070,390 \$	2,/33,10/ \$	2,/00,234 \$	2,049,953 \$	2,913,045
			Capital Equipment [1]												
388	G252301004566125	WCDCE	Equipment Expense	Bud Cap	\$	93,204 \$	- \$	- \$	-	\$	- \$	- \$	- \$	- \$	-
389	G252301004566150	WCDCE	Vehicles Expense	Bud Cap		345,014	1,200,000	(1,200,000)	-		-	-	-	-	-
390			Total Capital Equipment [1]		\$	438,218 \$	1,200,000 \$	(1,200,000) \$	-	\$	- \$	- \$	- \$	- \$	-
391			Total WWC - Project & Assets		\$	6,034,803 \$	7,674,399 \$	(725,970) \$	6,948,429	\$	7,009,335 \$	7,195,895 \$	7,384,844 \$	7,584,461 \$	7,789,588
392			Total Wastewater Collection Departs	ment	\$	25,226,040 \$	37,643,627 \$	(6,832,333) \$	30,809,294	\$	30,658,517 \$	31,453,222 \$	32,264,761 \$	33,112,462 \$	33,984,769
-															
	otos on Pago 14 of 14														

							Projection of Op	berating	g Expenses								
Line No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024		Adjustments	Adjusted 2024		Adjusted 2025	2026		Projected Fiscal Ye 2027	ar Ending June 30, 2028	2029
140.	G/E Code		WT- WASTEWATER TREATME		Cole			7	Aujustinents	2024		2025	2020		2027	2020	2027
						orn ronation v	<u>Joint of Frankp</u>										
			WWT - Administration Personnel Services														
393	G252302001500000	WTDPS	Regular Salaries	Labor	\$	634,547	\$ 1,143,531	1 \$	145,228 \$	1,288,759	\$	1,327,422	\$ 1,36	7,245	\$ 1,408,262	\$ 1,450,510	\$ 1,494,025
394	G252302001500000	WTDPS	Additional Personnel	Labor		-		-						-			
395 396	G252302001500050 G252302001500080	WTDPS WTDPS	Annual Comp Increas POS Turnover-Pay	Labor Labor		-	82,629		10,494 (166)	93,123 (1,476)		95,917 (1,521)		8,794 1,566)	101,758 (1,613)	104,811 (1.662)	107,955 (1,712
390	G252302001500080	WTDPS	Reg Sal- Non Mert Em	Labor		-	34,135		4,335	38,470		39,624		0,813	(1,013) 42.037	43,298	44,593
398	G252302001500100	WTDPS	Shift Differential	Labor		-	,	-	-	-				-	-		
399	G252302001500110	WTDPS	Extra pay	Labor		25,750	21,740	0	2,761	24,501		25,236	2	5,993	26,773	27,576	28,403
400 401	G252302001500121	WTDPS	WPFO-Labor Charges	Labor		-		-	-	-		-		-	-	-	
401 402	G252302001500122 G252302001500130	WTDPS WTDPS	WPFO-Agency OH Cost Accrued Leave	Labor Labor		6,228		-									
403	G252302001500150	WTDPS	Bonuses	Labor		8,750		-	-	-		-		-		-	
404	G252302001500150	WTDPS	Leave Pay-out	Labor		-		-	-	-		-		-	-	-	
405	G252302001501000	WTDPS	Fringe Benefits	Benefits			539,388	8	68,502	607,890		626,127	64	4,911	664,258	684,186	704,711
406 407	G252302001501010 G252302001501011	WTDPS WTDPS	FICA Medicare	Benefits Benefits		38,438 9,201		-	-	-		-		-	-	-	
407	G252302001501011 G252302001501020	WTDPS	Retire Contrb-EE Sy	Benefits		140,795		-	-	-		-		-	-	-	
409	G252302001501020	WTDPS	Health-Cigna High	Benefits		-		-	-	-		-		-	-	-	
410	G252302001501061	WTDPS	Health OAP 90%	Benefits		9,973		-	-	-		-		-	-	-	
411	G252302001501062	WTDPS	Health-HSA Plan	Benefits		3,670		-	-	-		-		-	-	-	
412 413	G252302001501063 G252302001501070	WTDPS WTDPS	Health-MyChoice Health-Cigna Low	Benefits		32,509		-	-	-		-		-	-	-	
413	G252302001501070 G252302001501080	WIDPS	Health-Cigna Low Health-BC/BS	Benefits Benefits		32,081		-	-	-		-		-	-	-	
415	G252302001501000	WTDPS	Health-Kaiser	Benefits		10,015		-	-	-		-		-	-	-	
416	G252302001501100	WTDPS	Insurance-Group Life	Benefits		995		-	-	-		-		-	-	-	
417	G252302001501110	WTDPS	Delta Dental	Benefits		3,560		-	-					-			
418 419	G252302001502120 G252302001502150	WTDOE WTDOE	Workers Comp Ins Plc Workers Comp Idmty-P	Benefits Benefits		97,020	80,000)	10,160	90,160		92,865	9	5,651	98,520	101,476	104,520
	0252502001502150	WIDOL		Belletits		-		-	-	-		-		-	-	-	
420			Total Personnel Services		s	1,053,532	\$ 1,900,113	3\$	241,314 \$	2,141,427	\$	2,205,670	\$ 2,27	1,840	\$ 2,339,995	\$ 2,410,195	\$ 2,482,501
421	G252302001510000	WTDOE	Operating Expenses Office Equip&Furnit	Inflation	\$	34,483	\$ 65,000	n s	- \$	65,000	s	66,495	\$ 6	7,891	\$ 69,249	\$ 70,773	\$ 72,330
422	G252302001510000	WTDOE	Copier	Inflation	9		5 05,000	-	- 5		ų.		3 (5 07,247		\$ 72,550
423	G252302001510020	WTDOE	Office Supplies	Inflation		12,855	20,000)	-	20,000		20,460	2	0,890	21,307	21,776	22,255
424	G252302001510030	WTDOE	Computer Equipment	Inflation		-	912	2	-	912		933		953	972	993	1,01
425	G252302001510040	WTDOE	Computer Acces&Supl	Inflation		4,704				-		-		-			
426 427	G252302001510060 G252302001510070	WTDOE	Printing Acces&Supl Clean Supplies Cnty	Inflation Inflation	S S		s - s -	S S	- S - S	-	S S		\$ \$	-	s - s -	s - s -	s - s -
427	G252302001510070 G252302001510080	WTDOE	Postage	Inf/Cust	3	8,356	5.000		- 3	5,000	3	5,136		-	5,393	5,535	5,680
429	G252302001510640	WTDOE	Food Srv Equip	Inf/Cust		-	5,000	-	-	-				-	-	-	2,000
430	G252302001510660	WTDOE	Med&Lab Eqp and Supl	Inflation		-		-	-	-		-		-	-	-	
431	G252302001510200	WTDOE	Bldg Maint & Repair	Repair		245	1,000			1,000		1,040		1,082	1,125	1,170	1,213
432 433	G252302001510203 G252302001510204	WTDOE	Hardware	Inflation	\$		\$ -	\$	- \$	-	\$	-	\$	-	\$ -	s -	\$ -
433	G252302001510204 G252302001510207	WIDOE	HVAC Supplies Plumbing Supplies	Inflation Inflation		269		-						-			
435	G252302001510207 G252302001510210	WTDOE	Grnds Maint Equ&Supl	Inflation		1,563		-	-	-		-					
436	G252302001510400	WTDOE	Educational Supplie	Inflation		970		-	-	-		-		-	-	-	
437	G252302001510610	WTDOE	Tools County	Inflation	\$	2,711	\$-	\$	- \$	-	\$	-	\$	-	s -	s -	\$-
438 439	G252302001510630	WTDOE	Water Treat Eqp⋑	Inflation		564		-	-	-		-			-		
439	G252302001512990 G252302001513000	WTDOE WTDOE	Other Operating Sup Automotive Fuel	Inflation Fuel		7,749	50,000)	-	50,000		51,150	2	2,224	53,269	54,441	55,638
441	G252302001513004	WTDOE	Diesel Fuel	Fuel		-	20,000)	-	20.000		20,800	2	1,632	22,497	23,397	24,333
442	G252302001513030	WTDOE	Heating Fuel	Fuel	\$	-	\$ -	\$	- \$		\$		\$	-		\$ -	\$ -
443	G252302001514010	WTDOE	Fire Protec Eqp⋑	Inflation		-		-	-	-		-		-	-	-	
444	G252302001513016	WTDOE	Automotive Parts	Inf/Emp		80		-	-	-		-		-	-	-	
445 446	G252302001513020 G252302001514020	WTDOE WTDOE	Automotive Equp&Supl Uniform/Wear Appare	Inf/Emp Inf/Emp		4,961 328,821	317.34	-	-	317.343		324.642		- 1,459	338.089	345.527	353.128
446 447	G252302001514020 G252302001514030	WTDOE	Uniform/ wear Appare Mis Pub Safe Eqp⋑	Inf/Emp		59,764	589		-	317,343 589		524,642 602	33	615	338,089	345,527 641	353,120
448	G252302001520000	WTDOE	Ofc Eqp Maint&Repai	Repair		- 2,701	56,	-	-					-			05.
449	G252302001520010	WTDOE	Bldg Maint & Repair	Repair	\$	44	s -	\$	- \$	-	\$	-	\$	-	\$-	s -	s -
450	G252302001520020	WTDOE	Construct Maint/Repr	Repair		-		-	-	-		-		-	-	-	
451	G252302001520060	WTDOE	Fire Extinguishr M&R	Inflation		8,060	1,940)	-	1,940		1,985		2,027	2,067	2,113	2,159
452 453	G252302001520070 G252302001520110	WTDOE WTDOE	Pub Safety Equip M&R Other Maint & Repair	Inflation Repair		112		-	-	-		-		-	-	-	
454	G252302001521050	WIDOE	Edu Training Servic	Repair	s		\$ 900	-)	- 5	900	s	936	s	973	\$ 1.012	\$ 1.053	\$ 1.095
455	G252302001521050	WTDOE	Computer Services	Inflation	~	-	845		-	845	~	864	-	882	900	920	940
456	G252302001521062	WTDOE	Telecommunication Chargeback	Inflation		737	737	7	-	737		754		770	785	802	820
457	G252302001521070	WTDOE	Print/Typeset Servce	Inflation		-		-	-			-			-	-	
458 459	G252302001521080	WTDOE WTDOE	Other Pro Cntrct Sv Comm & Modia Samia	Inflation	s	28,475	100,000 \$ \$ \$ 404		- s	100,000	s	102,300		4,448	106,537	108,881 \$ 96,354	111,270
459 460	G252302001521090 G252302001521092	WIDOE	Comm & Media Servic Telecom Service-Commercial	Inflation Inflation	3	66,541 626	\$ 88,495	,) -	- \$	88,495	3	90,530	د د	2,431	\$ 94,280	\$ 96,354	\$ 98,474
460	G252302001521092 G252302001521093	WTDOE	Telecommunication Chargeback	Inflation		1,862	1,862	2	-	1,862		1,905		- 1,945	1,984	2,027	2,072
462	G252302001521110	WTDOE	Public Works Servic	Inflation		-		-	-	-		-		-	-	-	
463	G252302001521140	WTDOE	Safety&Emergency Sv	Inflation		144,072	147,121		-	147,121		150,505		3,666	156,739	160,187	163,71
464	G252302001521150	WTDOE	Health Related Srvs	Inflation	\$		\$ 20		- \$	20	\$		\$			\$ 21	
465 466	G252302001521210 G252302001521240	WTDOE WTDOE	Licensing Fees Meals	Inflation Inflation		26,440	45,499	J	-	45,499		46,545	4	7,523	48,473	49,540	50,630
466 467	G252302001521240 G252302001521250	WTDOE	Meals Miscellaneous Services	Inflation Inflation		1,172			-	-		-		-	-	-	
467	G252302001521250 G252302001530010	WIDOE	Natural Gas Company	Gas				-	-	-				-	-	-	
469	G252302001530040	WTDOE	Water County	Inflation	s	-	s -	\$	- \$	-	\$		\$	-	s -	s -	\$ -
470	G252302001530050	WTDOE	Other Utility Expense	Insurance		1,556		-	-	-		-		-	-	-	

Footnotes on Page 14 of 14.

Projection of Operating Expenses

Line				Escalation		Actual	Adopted			Adjusted		Adjusted		Proi	ected Fiscal Year Er	nding June 30	
No.	G/L Code		Description	Reference		2023	2024		Adjustments	2024		2025	2026	rioj	2027	2028	2029
471	G252302001541020	WTDOE	Crime Ins Prem	Insurance			_		· ·	_		_	_		_		
472	G252302001541020	WTDOE	Gen Liab Admin	Insurance		-	-		-	-		-	-		-	-	-
473	G252302001541090	WTDOE	Auto Liab Admin	Insurance		-				-		-	-				-
474	G252302001542000	WTDOE	Local Travel County	Inflation	\$	102 \$	1,000	\$	- \$	1,000	\$	1,023 \$	1,044	\$	1,065 \$	1,089 \$	1,113
475	G252302001542050	WTDOE	Miscellaneous Travel	Inflation		8,134	29,624		-	29,624		30,306	30,942		31,561	32,255	32,965
476	G252302001542200	WTDOE	Certification	Inflation		36,365	31,000		-	31,000		31,713	32,379		33,027	33,753	34,496
477	G252302001542210	WTDOE	Mgmt/Prof Training	Inflation		1,100	-		-	-		-			-	-	
478	G252302001542220	WTDOE	Technical Train Cnt	Inflation	~	85,604	172,288			172,288	~	176,251	179,952	~	183,551	187,589	191,716
479 480	G252302001542520	WTDOE	Reimb-Telephone Exp	Inflation	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$	- \$	- \$	-
480	G252302001543000	WTDOE WTDOE	Cash Awards	Benefits		4,391	11,585		-	11,585		11.951	12,100		12,342	12 (14	12,891
481	G252302001543020 G252302001543510	WTDOE	Departmental Awards WPFO-Equipment	Inflation Inflation		4,591	11,385		-	11,585		11,851	12,100		12,542	12,614	12,891
482	G252302001544000	WIDOL	Copying	Inflation		-	-			-		-			-		
484	G252302001544020	WTDOE	Phototypesetting	Inflation	s	- 5		s	- \$		s	- 5		s	- \$	- \$	
485	G252302001544030	WTDOE	Printing and Bindin	Inflation	ý	1,296	1,200	Ű	-	1,200	~	1,228	1,253	Ψ	1,278	1,307	1,335
486	G252302001544050	WTDOE	Assigned Agency Veh	Inflation		184,579	200,000			200,000		204,600	208,897		213,075	217,762	222,553
487	G252302001544060	WTDOE	Motor Pool	Inflation		-											
488	G252302001544070	WTDOE	Fuel	Fuel		49,774	-		-	-		-	-		-	-	-
489	G252302001544090	WTDOE	Service-Other Agenc	Inflation	\$	1,200 \$	50,000	s	- \$	50,000	\$	51,150 \$	52,224	\$	53,269 \$	54,441 \$	55,638
490	G252302001544220	WTDOE	Fam Partn Pgm-Contra	Inflation		-	-		-	-		-	-		-	-	-
491	G252302001544508	WTDOE	Mileage Allow Auto	Inflation		-	-		-	-		-	-		-	-	-
492	G252302001544538	WTDOE	Prof Memberships	Inf/Emp		65,789	75,382		-	75,382		77,116	78,735		80,310	82,077	83,883
493	G252302001544539	WTDOE	Prof Subscriptions	Inf/Emp	~	4,266	7,500		-	7,500		7,673	7,834		7,990	8,166	8,346
494	G252302001544540	WTDOE	Credit Card Expense	Inflation	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$	- \$	- \$	-
495	G252302001544547	WTDOE	Refuse Disposal Exp	Inflation		-	-		-	-		-	-			-	
496	G252302001544990	WTDOE	Other Operating Exp	Inflation	\$	4,700 \$			- \$	35,000	\$	35,805 \$	36,557		37,288 \$	38,108 \$	38,947
497			Total Operating Expenses		\$	1,198,495 \$	1,481,843	\$	- \$	1,481,843	\$	1,516,319 \$	1,548,616	\$	1,580,084 \$	1,615,312 \$	1,651,333
			Capital Equipment [1]														
498	G252302001566125	WTDCE	Equipment Expense	Bud Cap	\$	- \$	2,220,000	s	(2,220,000) \$	-	\$	- \$	-	\$	- \$	- \$	-
499	G252302001566125	WTDCE	Vehicle Expense	Bud Cap		64,962	698,745		(698,745)	-		-	-		-	-	-
500			Total Capital Equipment [1]		\$	64,962 \$	2,918,745	\$	(2,918,745) \$		s	- \$		\$	- \$	- \$	
501			Total WWT - Administration		\$	2,316,988 \$			(2,677,430) \$	3,623,270	s	3,721,989 \$	3,820,456	\$	3,920,079 \$	4,025,507 \$	4,133,835
			WWT - Operations														
			Personnel Services														
502	G252302002500000	WTDPS	Regular Salaries	Labor	\$	3,168,220 \$	4,158,582	s	528,140 \$	4,686,722	\$	4,827,324 \$	4,972,143	\$	5,121,308 \$	5,274,947 \$	5,433,195
503	G252302002500050	WTDPS	Annual Comp Increas	Labor		-	572,596		72,720	645,316		664,675	684,615		705,154	726,308	748,098
504	G252302002500080	WTDPS	POS Turnover-Pay	Labor		-	(189,254)		(24,035)	(213,289)		(219,688)	(226,279)		(233,067)	(240,059)	(247,261)
505	G252302002500090	WTDPS	Reg Sal-Non Mert Em	Labor		46,774	115,628		14,685	130,313		134,222	138,249		142,396	146,668	151,068
506	G252302002500100	WTDPS	Shift Differential	Labor		46,533	46,987		5,967	52,954		54,543	56,179		57,865	59,601	61,389
507	G252302002500110	WTDPS	Extra pay	Labor		241,337	217,576		27,632	245,208		252,564	260,141		267,946	275,984	284,263
508	G252302002500130	WTDPS	Accrued Leave	Labor		36,636	-		-	-		-	-		-	-	-
509	G252302002500150	WTDPS	Leave Pay-out	Labor		47,161	-		-	-		-	-		-	-	-
510	G252302002501000	WTDPS	Fringe Benefits	Benefits			1,935,497		245,808	2,181,305		2,246,744	2,314,147		2,383,571	2,455,078	2,528,730
511	G252302002501010	WTDPS	FICA	Benefits		208,278	-		-	-		-	-		-	-	-
512	G252302002501011	WTDPS	Medicare	Benefits		48,777	-		-	-		-	-		-	-	-
513	G252302002501020	WTDPS	Retire Contrb-EE Sy	Benefits		938,789	-		-	-		-	-		-	-	-
514 515	G252302002501060	WTDPS WTDPS	Health-Cigna High	Benefits		222.246	-		-	-		-	-		-	-	-
515	G252302002501061 G252302002501062	WTDPS	Health OAP 90% Health-HSA Plan	Benefits Benefits		332,346 8,095	-		-	-		-	-		-	-	-
517	G252302002501062	WTDPS	Health-MyChoice	Benefits		81,767	-		-	-		-	-		-	-	-
518	G252302002501003	WTDPS	Health-Cigna Low	Benefits		71,830	-					-	-		-		
519	G252302002501070	WTDPS	Health-BC/BS	Benefits			-		-	-		-	-		-	-	
520	G252302002501080	WTDPS	Health-Kaiser	Benefits		74,487	-		-	-		-			-	-	-
521	G252302002501100	WTDPS	Insurance-Group Life	Benefits		5,166	-		-	-		-	-		-	-	-
522	G252302002501110	WTDPS	Delta Dental	Benefits		18,982	-		-	-		-	-		-	-	-
523			Total Personnel Services		\$	5,375,179 \$	6,857,612	\$	870,917 \$	7,728,529	\$	7,960,385 \$	8,199,196	\$	8,445,172 \$	8,698,527 \$	8,959,483
			Operating Expenses														
524	G252302002510000	WTDOE	Office Equip&Furnitr	Inflation	s	2,536 \$		s	- \$		s	- \$		s	- S	- \$	
525	G252302002510000	WTDOE	Office Supplies	Inflation	9		-	9	- 3		φ	- 3	-	φ	- 3	- 3	
525	G252302002510020	WTDOE	Bldg Maint & Repair	Repair		38,156	-		-	-		-	-		-	-	-
527	G252302002510200	WTDOE	Electrical Supploes	Inflation		2,181			-	-						-	
528	G252302002510202	WTDOE	HVAC Supplies	Inflation			-		-	-		-	-		-	-	-
529	G252302002510210	WTDOE	Grnds Maint Equ⋑	Inflation		2,173	-		-	-		-	-		-	-	-
530	G252302002510400	WTDOE	Educational Supplie	Inflation		-	-		-	-		-	-		-	-	-
531	G252302002510600	WTDOE	Chemicals	Chem-Noman		2,544,675	3,586,131		-	3,586,131		3,743,682	3,908,674		4,080,912	4,260,816	4,448,654
532	G252302002510610	WTDOE	Tools County	Inflation		64			-	-		-			-	-	
533 534	G252302002510630 G252302002510650	WTDOE WTDOE	Water Treat Eqp⋑ Hshl Aplnc/Supl/Rep	Inflation Inflation		33,186	11,565		-	11,565		11,831	12,079		12,321	12,592	12,869
535	G252302002510650 G252302002510660	WTDOE	Med&Lab Eqp and Sup	Inflation		3,137	-		-	-		-	-		-	-	-
535	G252302002510660 G252302002512990	WTDOE	Other Operating Sup	Inflation		3,137	-			-			-				-
537	G252302002513020	WTDOE	Automotive Equp⋑	Inflation		4.961	-			-			-				-
538	G252302002513020	WTDOE	Diesel Fuel	Fuel		105,000	60,000		-	60,000		62,400	64,896		67,492	70,192	72,999
539	G252302002513030	WTDOE	Heating Fuel	Fuel			-		-								
540	G252302002513040	WTDOE	Fuel Oil County	Inflation		-	-		-	-		-	-		-	-	-
541	G252302002514010	WTDOE	Fire Protec Eqp⋑	Inflation		-	-		-	-		-	-		-	-	-

Pro	jection	of (Operating	Expenses
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						<u>rn</u>	opection of Opera	aung Expenses						
Line No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024	Adjustments	Adjusted 2024	Adjusted 2025	2026 Pro	jected Fiscal Year E 2027	Ending June 30, 2028	2029
		WIND OF					2024	Aujusunents	2024	2025	2020	2027	2020	2027
542	G252302002514020	WTDOE	Uniform/Wear Appare	Inf/Emp		244	-	-	-	-	-	-	-	-
543 544	G252302002514030 G252302002520010	WTDOE WTDOE	Mis Pub Safe Eqp⋑ Bldg Maint&Rep Svcs	Inflation Inflation		18,594 15,293	-	-	-	-	-	-	-	-
545	G252302002520110	WTDOE	Other Maint & Repair	Inflation		15,295	-							-
546	G252302002521040	WTDOE	Employment Services	Inflation		188,218	2,132	-	2,132	2,181	2,227	2,271	2,321	2,372
547	G252302002521080	WTDOE	Other Pro Cntrct Sv	Inflation		631,495	346,004		346,004	353,962	361,395	368,623	376,733	385,021
548	G252302002521090	WTDOE	Comm & Media Servic	Inflation		948		-	· · ·	· · ·		· ·	· -	-
549	G252302002521210	WTDOE	Licensing Fees	Inflation		-	-	-	-	-	-	-	-	-
550	G252302002521250	WTDOE	Misc Servcices	Inflation		-	-	-	-	-	-	-	-	-
551	G252302002530000	WTDOE	Electricity County	Elec-Noman		3,477,314	3,734,391	-	3,734,391	5,000,000	5,145,361	5,294,914	5,448,912	5,607,394
552	G252302002530010	WTDOE	Natural Gas County	Gas		993,284	2,234,633	-	2,234,633	1,786,000	1,794,930	1,803,905	1,812,924	1,821,989
553 554	G252302002530040 G252302002543000	WTDOE	Water County	Water		152,216	591,784	-	591,784	630,099	674,206	714,658	750,391	780,406
555 555	G252302002543000 G252302002541730	WTDOE WTDOE	Cash Awards	Inflation Inflation		-	-	-	-	-	-	-	-	-
556	G252302002544512	WTDOE	Emergency Assistanc Internal FFX Suppor	Inflation		10,785	-	-	-	-	-	-	-	-
557	G252302002544547	WIDOE	Refuse Disposal Exp	Inflation		178,216	275,000	(275,000)			-	-		-
558	G252302002544990	WTDOE	Other Operating Exp	Inflation		24,825	200.000	(275,000)	200,000	204.600	208.897	213,075	217,762	222,553
					_									
559			Total Operating Expenses		\$	8,427,670 \$	11,041,641	\$ (275,000) \$	10,766,641	\$ 11,794,754 \$	12,172,664 \$	12,558,171 \$	12,952,643 \$	13,354,257
			Capital Equipment [1]											
560	G252302002566125	WTDCE	Equipment Expense	Bud Cap	\$	- \$		s - s	-	s - s	- \$	- \$	- \$	-
561	G252302002566150	WTDCE	Vehicles Expense	Bud Cap		-	60,000	(60,000)	-		-	-	-	-
562			Total Capital Equipment [1]		\$	- \$	60,000	,	-	\$ - \$	- \$	- \$	- \$	-
563			Total WWT - Operations		\$	13,802,849 \$	17,959,253	\$ 535,917 \$	18,495,170	\$ 19,755,139 \$	20,371,860 \$	21,003,343 \$	21,651,170 \$	22,313,740
			WWT - Maintenance											
			Personnel Services											
564	G252302003500000	WTDPS	Regular Salaries	Labor	\$	3,472,538 \$	3,948,662	\$ 501,480 \$	4,450,142	\$ 4,583,646 \$	4,721,156 \$	4,862,790 \$	5,008,674 \$	5,158,934
565	G252302003500040	WTDPS	New Position-Regular Salaries	Labor		-								
566	G252302003500050	WTDPS	Annual Comp Increas	Labor		-	483,904	61,456	545,360	561,721	578,572	595,929	613,807	632,221
567 568	G252302003500053 G252302003500080	WTDPS WTDPS	Annual Comp Inc-P4P	Labor Labor		-	(189,273)	(24,038)	(213,311)	(219,710)	-	(233,090)	(240.002)	(247,286)
569	G252302003500080 G252302003500090	WTDPS	POS Turnover-Pay Reg Sal-Non Mert Em	Labor		16.635	(189,273) 890	(24,038)	(213,311) 1,003	(219,710) 1.033	(226,301) 1,064	(233,090) 1.096	(240,083) 1,129	
570	G252302003500090 G252302003500100	WTDPS	Shift Differential	Labor		1,140	890	115	1,005	1,055	1,064	1,090	1,129	1,163
571	G252302003500100	WTDPS	Extra pay	Labor		150,368	32,281	4.100	36,381	37,472	38,596	39,754	40,947	42,175
572	G252302003500110 G252302003500130	WTDPS	Accrued Leave	Labor		(15,932)	52,201	4,100		57,472	-		+0,747	42,175
573	G252302003500150	WTDPS	Leave Pay-out	Labor		12,436	-			-	-	-		-
574	G252302003501000	WTDPS	Fringe Benefits	Benefits		-	2,185,055	277,502	2,462,557	2,536,434	2,612,527	2,690,903	2,771,630	2,854,778
575	G252302003501010	WTDPS	FICĂ	Benefits		211,452	-	-	-	-	-	-	-	-
576	G252302003501011	WTDPS	Medicare	Benefits		49,408	-	-	-	-	-	-	-	-
577	G252302003501020	WTDPS	Retire Contrb-EE Sy	Benefits		982,069	-	-	-	-	-	-	-	-
578	G252302003501060	WTDPS	Health-Cigna High	Benefits		-	-	-	-	-	-	-	-	-
579	G252302003501061	WTDPS	Health OAP 90%	Benefits		258,067	-	-	-	-	-	-	-	-
580	G252302003501062	WTDPS	Health-HSA Plan	Benefits		7,208	-	-	-	-	-	-	-	-
581	G252302003501063	WTDPS	Health-MyChoice	Benefits		66,848	-	-	-	-	-	-	-	-
582 583	G252302003501070 G252302003501080	WTDPS WTDPS	Health-Cigna Low Health-BC/BS	Benefits		64,562	-	-	-	-	-	-	-	-
584	G252302003501080 G252302003501090	WTDPS	Health-Kaiser	Benefits		284,349	-	-	-	-	-	-	-	-
585	G252302003501090	WTDPS	Insurance-Group Life	Benefits		5,724	-							-
586	G252302003501100	WTDPS	Delta Dental	Benefits		26,468	-	-	-		-	-	-	-
587	G252302003502150	WTDOE	Workers Comp Idmty-P	Benefits			-	-	-			-	-	-
588			Total Personnel Services		s	5,593,338 \$	6,461,519	\$ 820,613 \$	7,282,132	\$ 7,500,596 \$	7,725,614 \$	7,957,382 \$	8,196,104 \$	8,441,987
500					3	5,575,556 6	0,101,019	020,015 0	7,202,102	• ,,,,,,,,,,,,,,,	7,725,011 \$	1,001,002 0	0,100,101 0	0,111,007
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589 590	G252302003150200 G252302003510000	WTDOE WTDOE	Inv-DPWES Wastewate Office Equip&Furnit	Inflation Inflation	\$	- \$ 332	50,441	s - s	50,441	\$ 51,602 \$	52,685 \$	53,739 \$	54,921 \$	56,129
						332	-	-	-	-	-	-	-	-
591 592	G252302003510010 G252302003510020	WTDOE WTDOE	Copier Office Supplies	Inflation Inflation		1,769	-	-	-	-	-	-	-	-
592	G252302003510020 G252302003510030	WIDOE	Computer Equipment	Inflation		1,769	-	-	-	-	-	-	-	-
593	G252302003510030 G252302003510040	WTDOE	Computer Acces&Supl	Inflation		11,489	-	-	-	-	-	-	-	-
595	G252302003510040 G252302003510050	WIDOE	IT Replacement Part	Inflation		529	3,000		3,000	3,069	3,133	3,196	3,266	3,338
596	G252302003510050	WIDOE	Printing Acces&Supl	Inflation		705	-				-	.,		
597	G252302003510070	WTDOE	Clean Supplies Cnty	Inflation		1,222	-	-	-	-	-	-	-	-
598	G252302003510080	WTDOE	Postage	Inflation		770	-	-	-	-	-	-	-	-
599	G252302003510200	WTDOE	Bldg Maint & Repair	Repair		98,532	-	-	-		-	-	-	-
600	G252302003510201	WTDOE	Carpentry/LumberSupl	Inflation		3,983	-	-	-	-	-	-	-	-
601	G252302003510202	WTDOE	Electrical Supplies	Inflation		92,466	-	-	-	-	-	-	-	-
602	G252302003510203	WTDOE	Hardware	Inflation		5,710	-	-	-	-	-	-	-	-
603 604	G252302003510204 G252302003510205	WTDOE WTDOE	HVAC Supplies	Inflation Inflation		46,349 538	9,700	-	9,700	9,923	10,131	10,334	10,561	10,794
			Lightbulbs Point/Point Supplies				5,987	-	5,987	6,124	6,253	6,378	6,518	6,662
605 606	G252302003510206 G252302003510207	WTDOE WTDOE	Paint/Paint Supplies Plumbing Supplies	Inflation Inflation		12,658 1,288	-	-	-	-	-	-	-	-
606	G252302003510207 G252302003510210	WTDOE	Grnds Maint Equ⋑	Inflation		28,675	5,805	-	5,805	5,939	6,063	6,184	6,321	6,460
608	G252302003510210 G252302003510220	WTDOE	Lighting Equipment	Inflation		28,675	339	-	339	347	354	361	369	377
609	G252302003510220	WIDOE	Educational Supplie	Inflation		198	-	-		-		-	-	
610	G252302003510600	WIDOE	Chemicals	Chem-Noman		651	-		-					-
	G252302003510610	WTDOE	Tools County	Inflation		70,197	60,000	-	60,000	61,380	62,669	63,922	65,329	66,766
611													· · ·	
612	G252302003510620	WTDOE	Eng Drft&Sur Eqp&Su	Inflation		-	-	-	-	-	-	-	-	-
612 613	G252302003510630	WTDOE	Water Treat Eqp⋑	Inflation		1,498,152	1,922,079	-	1,922,079	1,400,000	1,429,400	1,457,988	1,490,064	1,522,845
612						1,498,152 4,308 3,174	1,922,079	-	1,922,079	1,400,000	1,429,400	1,457,988	1,490,064	1,522,845

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#### Table 3 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis <u>Projection of Operating Expenses</u>

Line													
No.	G/L Code		Description	Escalation Reference	Actual 2023	Adopted 2024	Adjustments	Adjusted 2024	Adjusted 2025	2026	Projected Fiscal Year E 2027	nding June 30, 2028	2029
616	G252302003510660	WTDOE	Med&Lab Eqp and Sup	Inflation	23,149	12,000	-	12,000	12,276	12,534	12,784	13,066	13,353
617	G252302003510670	WTDOE	Park/Rctn Area Equip	Inflation			-	-	-	-	-	-	-
618	G252302003510680	WTDOE	Lab Equip and Supl	Inflation	711	-	-	-	-	-	-	-	-
519	G252302003512990	WTDOE	Other Operating Sup	Inflation	86,336	15,000	-	15,000	15,345	15,667	15,981	16,332	16,691
20	G252302003513016	WTDOE	Automotive Parts	Inflation	40	-	-	-	-	-	-	-	-
521 522	G252302003512992 G252302003513010	WTDOE WTDOE	Goods Receipt W/O P	Inflation	-	-	-	-	-	-	-	-	-
23	G252302003513010 G252302003513018	WTDOE	Automotive Oil Tires	Inflation Inflation	1,441			-		-			
24	G252302003513020	WTDOE	Automotive Equp⋑	Inflation	2,197	-		-	-	-	-	-	-
25	G252302003513030	WTDOE	Heating Fuel	Inflation	-,	12,000		12,000	12,276	12,534	12,784	13,066	13,353
26	G252302003514010	WTDOE	Fire Protec Eqp⋑	Inflation	97	· -	-				· · ·	· -	
27	G252302003514020	WTDOE	Uniform/Wear Appare	Inf/Emp	7,202	-	-	-	-	-	-	-	-
28	G252302003514030	WTDOE	Mis Pub Safe Eqp⋑	Inflation	12,196	-	-	-	-	-		-	-
29	G252302003520100	WTDOE	Scienti/Tech Eqp M&R	Repair	-		-	-	-	-	-	-	-
30	G252302003520010	WTDOE	Bldg Maint & Repair	Repair	624,653	1,923,664	-	1,923,664	1,700,000	1,768,000	1,838,720	1,912,269	1,988,760
31 32	G252302003520011 G252302003520012	WTDOE WTDOE	Electrical M&R Elevator M&R	Repair Repair	48,058 7,915	5,750 3,971		5,750 3,971	5,980 4,129	6,219 4,295	6,468 4,466	6,727 4,645	6,996 4,831
33	G252302003520012 G252302003520013	WTDOE	HVAC M&R	Repair	45,625	4,708		4,708	4,896	5,092	5,296	5,508	5,728
34	G252302003520015	WTDOE	Overhead Doors M&R	Repair	23,103	20,050		20,050	20,852	21,686	22,554	23,456	24,394
35	G252302003520016	WTDOE	Extermination Svcs	Repair	1,113	-		-	-	-	-	-	-
36	G252302003520025	WTDOE	Custodial Services	Repair	35,610	1	-	1	1	1	1	1	1
37	G252302003520014	WTDOE	Mechanical Inspect	Repair	8,490	-	-	-	-	-	-	-	-
38	G252302003520017	WTDOE	Plumbing M&R	Repair	8,313	-	-	-	-	-		-	-
39	G252302003520020	WTDOE	Construct Maint/Repr	Repair	-	-	-	-	-	-	-	-	-
40 41	G252302003520050 G252302003520110	WTDOE WTDOE	Automotive Equip M&R Other Maint & Renai	Repair	593 365 217	333,604	-	333,604	346,948	360,826	375,259	390,269	405,880
+1 42	G252302003520110 G252302003520120	WTDOE	Other Maint & Repai Gain/loss - Inv adi	Repair Inflation	365,217	555,004	-	333,004	340,948	300,826	515,259	550,205	405,880
+2 13	G252302003521060	WTDOE	Computer Services	Inflation	-	-	-	-	-	-	-	-	
44	G252302003521000	WTDOE	Print/Typeset Servce	Inflation	3,243	-	-	-		-		-	
45	G252302003521090	WTDOE	Comm & Media Service	Inflation	6,419	-	-	-	-	-	-	-	-
46	G252302003521100	WTDOE	Transportation Svcs	Inflation	570	-	-	-	-	-		-	
17	G252302003521130	WTDOE	Grnds/Rec/Parks Svc	Inflation	-	-	-	-	-	-	-	-	-
48	G252302003521210	WTDOE	Licensing Fees	Inflation	304	-	-	-	-	-		-	-
49	G252302003521240	WTDOE	Meals	Inflation	-	-	-	-	-	-	-	-	-
50	G252302003521250	WTDOE WTDOE	Misc Servcices	Inflation	40,823	21.779	-	21,778	22,279	22,747	23,202	23,713	24,234
51 52	G252302003523020 G252302003523030	WTDOE	Rent-Operat Equipmn Rent-Construct Equi	Inflation Inflation	40,823	21,778		21,778	22,279	22,747	25,202	25,/15	24,234
53	G252302003541110	WTDOE	Auto Lia Prop Damag	Insurance	10,727			-		-			
54	G252302003542000	WTDOE	Local Travel County	Inflation	-			-	-	-	-	-	-
55	G252302003542200	WTDOE	Certification	Inflation			-	-	-	-		-	-
56	G252302003542220	WTDOE	Technical Train Cnt	Inflation	-	-	-	-	-	-		-	-
57	G252302003543000	WTDOE	Cash Awards	Benefits	-	-	-	-	-	-	-	-	-
58	G252302003543020	WTDOE	Departmental Awards	Benefits	-	-	-	-	-	-	-	-	-
59	G252302003544538	WTDOE	Professional Memberships	Inf/Emp	-	-	-	-	-	-	-	-	-
60	G252302003544540	WTDOE	Credit Card Expense	Inflation	270	220,000	-	220,000	225,060	229,786	234,382	239,538	244,808
61 62	G252302003544990	WTDOE	Other Operating Exp Total Operating Expenses	Inflation	\$ 3,257,171 \$		- S - S	4,629,877 \$			\$ 4,154,001 \$	4,285,938 \$	4,422,401
			Capital Equipment [1]										
63	G252302003566125	WTDOE	Equipment Expense	Bud Cap	\$ 96,803 \$	54,208	\$ (54,208) \$	- 5	- \$	-	s - s	- S	-
64	G252302003566150	WTDOE	Vehicles Exp SC Only	Bud Cap	-	-	-	-	-	-	-	-	-
55	G252302003566275	WTDOE	DO NOT USE Infrastrc	Bud Cap	-	-	-	-	-	-	-	-	-
56			Total Capital Equipment [1]		\$ 96,803 \$	54,208	\$ (54,208) \$						
57			rotar Capitar Equipment [1]					- 5	- \$			- 5	
			Total WWT - Maintenance					- \$	- \$	- 11.755.690		- \$ 12.482.042 \$	- 12.864.387
			Total WWT - Maintenance WWT - IT Services					- \$	· · · ·	11,755,690		- \$ 12,482,042 \$	12,864,387
			Total WWT - Maintenance <u>WWT - IT Services</u> Personnel Services						· · · ·				12,864,387
	G252302004500000	WTDPS	WWT - IT Services Personnel Services Regular Salaries	Labor		887,910	\$ 766,405 \$ \$ 112,765 \$	11,912,009	11,409,022 \$	11,755,690	\$ 12,111,383 \$ \$ 1,093,464 \$	12,482,042 \$ 1,126,268 \$	1,160,056
59	G252302004500050	WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas	Labor	\$ 8,947,312 \$ \$ 1,010,752 \$	11,145,604	\$ 766,405 \$	11,912,009 \$	11,409,022 \$	11,755,690	\$ 12,111,383 \$	12,482,042 \$	1,160,056
9	G252302004500050 G252302004500090	WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp	Labor Labor	\$ 8,947,312 \$	887,910	\$ 766,405 \$ \$ 112,765 \$	11,912,009	11,409,022 \$ 1,030,695 \$	11,755,690	\$ 12,111,383 \$ \$ 1,093,464 \$	12,482,042 \$ 1,126,268 \$	1,160,056
59 70 71	G252302004500050 G252302004500090 G252302004500110	WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay	Labor Labor Labor	\$ 8,947,312 \$ \$ 1,010,752 \$	887,910	\$ 766,405 \$ \$ 112,765 \$	11,912,009	11,409,022 \$ 1,030,695 \$	11,755,690	\$ 12,111,383 \$ \$ 1,093,464 \$	12,482,042 \$ 1,126,268 \$	1,160,056
59 70 71 72	G252302004500050 G252302004500090 G252302004500110 G252302004500121	WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges	Labor Labor Labor Labor	\$ 1,010,752 \$ 61,356	887,910	\$ 766,405 \$ \$ 112,765 \$	11,912,009	11,409,022 \$ 1,030,695 \$	11,755,690	\$ 12,111,383 \$ \$ 1,093,464 \$	12,482,042 \$ 1,126,268 \$	1,160,056
59 70 71 72 73	G252302004500050 G252302004500090 G252302004500110	WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges Accrued Leave	Labor Labor Labor Labor Labor	\$ 8,947,312 \$ \$ 1,010,752 \$	887,910	\$ 766,405 \$ \$ 112,765 \$	11,912,009	11,409,022 \$ 1,030,695 \$	11,755,690	\$ 12,111,383 \$ \$ 1,093,464 \$	12,482,042 \$ 1,126,268 \$	1,160,056
59 70 71 72 73 74	G252302004500050 G252302004500090 G252302004500110 G252302004500121 G252302004500130	WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges Accrued Leave Leave Pay-Out	Labor Labor Labor Labor	\$ 1,010,752 \$ 61,356	887,910	\$ 766,405 \$ \$ 112,765 \$	11,912,009	11,409,022 \$ 1,030,695 \$	11,755,690	\$ 12,111,383 \$ \$ 1,093,464 \$	12,482,042 \$ 1,126,268 \$	1,160,056
59 70 71 72 73 74 75	G252302004500050 G252302004500090 G252302004500110 G252302004500121 G252302004500130 G252302004500140	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges Accrued Leave	Labor Labor Labor Labor Labor Labor	\$ 1,010,752 \$ 61,356	887,910	\$ 766,405 \$ \$ 112,765 \$	11,912,009	11,409,022 \$ 1,030,695 \$	11,755,690	\$ 12,111,383 \$ \$ 1,093,464 \$	12,482,042 \$ 1,126,268 \$	1,160,056 136,925 
59 70 71 72 73 74 75 76 77	G252302004500090 G252302004500100 G252302004500110 G252302004500110 G252302004500130 G252302004500130 G252302004500150 G252302004501000 G252302004501010	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges Accrued Leave Leave Pay-Out Employee Leave Pay-out Fringe Benefits FICA	Labor Labor Labor Labor Labor Labor Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ 61,356 	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925 
9 12 12 13 14 15 16 17 17 18	G252302004500050 G252302004500090 G252302004500110 G252302004500121 G252302004500130 G252302004500140 G252302004500140 G252302004501010 G252302004501010 G252302004501011	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labot Charges Accrued Leave Pay-Out Employee Leave Pay-Out Employee Leave Pay-out Fringe Benefits FICA Medicare	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ 61,356 - 30,509 - - 63,707 14,899	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925 
9 0 1 2 3 4 5 6 7 8 9	C25230204500050 G25230204500100 G25230204500110 G25230204500121 G25230204500130 G25230204500130 G25230204500150 G25230204501010 G25230204501011 G25230204501011 G25230204501012	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges Accrued Leave Leave Pay-Out Employee Leave Pay-out Employee Leave Pay-out Fringe Benefits FICA Medicare Retire Contrb-EE Sy	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ 61,356 	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925
9 0 1 2 3 4 5 6 7 8 9 0	C25230204500050 C252302004500110 C252302004500110 C252302004500121 C252302004500130 C252302004500140 C252302004500150 C252302004501010 C252302004501011 C2523020045010100 C252302004501020 C252302004501060	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labot Charges Accrued Leave Leave Pay-Out Employee Leave Pay-out Fringe Benefits FICA Medicare Retire Contrb-EE Sy Health-Cigna High	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ \$ 1,010,752 \$ 61,356 - - - - - - - - - - - - - - - - - - -	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925
9 0 1 2 3 4 5 6 7 8 9 0 1	C252302004500050 G252302004500100 G252302004500110 G252302004500121 G252302004500130 G252302004500130 G252302004501010 G252302004501011 G252302004501011 G25230200450101061 G252302004501060	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services           Personnel Services           Regular Salaries           Annual Comp Increas           Reg Sal-Non Mert Emp           Extra pay           WPFO-Labor Charges           Accrued Leave           Leave Pay-Out           Employee Leave Pay-out           Fringe Benefits           FICA           Medicare           Retire Contrb-EE Sy           Health-Cigna High           Health-OLP 90%	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ 61,356 - 30,509 - 63,707 14,899 291,905 - 79,664	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925 
9 0 1 2 3 4 5 6 7 8 9 0 1 2	C25230204500050 C25230204500110 C25230204500110 C25230204500121 C25230204500130 C25230204500140 C25230204500140 C25230204501010 C25230204501010 C25230204501010 C25230204501020 C25230204501061 C25230204501061	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges Accrued Leave Leave Pay-Out Employee Leave Pay-Out Fringe Benefits FICA Medicare Retire Contrb-EE Sy Health-Gigna High Health OAP 90% Health-Gan Han	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ \$ 1,010,752 \$ 61,356 - - - - - - - - - - - - -	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925 
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 8 7 8 9 0 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 1 9 1 9 1 9 1 9 1 1 9 1 9 1 9 1 9 1 1 9 1 9 1 1 9 1 1 9 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 1 1 1 1 1	C25230204500050 C252302004500100 C252302004500110 C252302004500121 C252302004500120 C252302004500140 C2523020045001000 C2523020045010100 C2523020045010111 C2523020045010101 C252302004501061 C252302004501062 C252302004501062 C252302004501063	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services           Personnel Services           Regular Salaries           Annual Comp Increas           Reg Sal-Non Mert Emp           Extra pay           WPFO-Labot Charges           Accrued Leave Pay-Out           Employee Leave Pay-out           Fringe Benefits           FICA           Medicare           Retire Contrb-EE Sy           Health-Ogn High           Health OAP 90%           Health-HSA Plan           Health-HSA Plan	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ 61,356 - 30,509 - 63,707 14,899 291,905 - 79,664	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925 
99 11 12 13 14 15 16 17 18 19 10 11 12 13 14 15 16 17 18 19 10 11 12 13 14 15 16 17 18 19 10 11 12 13 14 15 16 16 17 17 18 19 19 10 11 12 13 14 15 16 16 17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	C25230204500050 C25230204500110 C25230204500110 C25230204500121 C25230204500130 C25230204500140 C25230204500140 C25230204501010 C25230204501010 C25230204501010 C25230204501020 C25230204501061 C25230204501061	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges Accrued Leave Leave Pay-Out Employee Leave Pay-Out Fringe Benefits FICA Medicare Retire Contrb-EE Sy Health-Gigna High Health OAP 90% Health-Gan Hang	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ \$ 1,010,752 \$ 61,356 - 30,509 - - - - - - - - - - - - -	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925 - - - -
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 7 8 9 9 0 1 2 3 4 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	C25230204500050 C25230204500190 C25230204500110 G25230204500121 G25230204500130 G25230204500140 G25230204500140 G25230204501010 G25230204501011 G25230204501020 G25230204501061 G25230204501062 G25230204501062 G25230204501063 G25230204501063	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services           Personnel Services           Regular Slahries           Annual Comp Increas           Reg Jash-Non Mert Emp           Extra pay           WPFO-Labor Charges           Accrued Leave           Leave Pay-Out           Employee Leave Pay-out           Fringe Benefits           FICA           Medicare           Retire Conth-FE Sy           Health-OAP 90%           Health-MQChoice           Health-MA Plan           Health-MyChoice           Health-MyChoice	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ \$ 1,010,752 \$ 61,356 - - - - - - - - - - - - -	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925 - - - -
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 7 8 9 0 1 2 3 4 5 6 7 8 9 9 7 8 9 9 7 8 9 9 7 8 9 9 7 8 9 9 7 8 9 9 7 8 9 9 9 9	C25230204500050 C252302004500110 C252302004500110 C252302004500121 C252302004500130 C252302004500130 C252302004500150 C252302004501010 C252302004501010 C252302004501061 C252302004501061 C252302004501062 C252302004501063 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C252302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552302004501070 C552502004501070 C552302004501070 C552302004501070 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55250 C55550 C55550 C5550 C55550 C55550 C5555	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services           Personnel Services           Regular Salaries           Annual Comp Increas           Reg Sal-Non Mett Emp           Extra pay           WPFO-Labor Charges           Accrued Leave           Leave Pay-Out           Employee Leave Pay-Out           Finge Benefits           FICA           Medicare           Retire Contrb-EE Sy           Health-OAP 90%           Health-MyChoice           Health-MyChoice           Health-Kaiser           Insurance-Cinput Life	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ \$ 1,010,752 \$ 61,356 - 30,509 - - - - - - - - - - - - -	5 11,145,604 5 5 887,910 5 104,803 - - - - -	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656 - - -	11,755,690 1,061,616 125,306 - - -	\$ 12,111,383 \$ \$ 1,093,464 \$ 129,065 - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 1,126,268 \$	1,160,056 136,925 - - - -
99001122334455667889900112233445566778	C25230204500050 C25230204500190 C25230204500121 C25230204500121 C25230204500130 C25230204500140 C25230204500140 C25230204501010 C25230204501011 C25230204501010 C25230204501060 C25230204501061 G25230204501062 C25230204501063 C25230204501063 C25230204501063 C25230204501080 C25230204501080	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labot Charges Accrued Leave Leave Pay-Out Employee Leave Pay-out Employee Leave Pay-out Fringe Benefits FICA Medicare Retire Contrh-EE Sy Health-Gan High Health-OAP 90% Health-Gan High Health-MyChoice Health-MyChoice Health-Kaiser Insurance-Crop Life Delta Dental	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ \$ 1,010,752 \$ 61,356 - 30,509 30,509 - - - - - - - - - - - - -	<pre>11,145,604 3</pre>	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - - - - - - - - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 1,030,695 \$ 121,656	11,755,690 1,061,616 125,306 - - - - - - - - - - - - -	\$ 12,111.383 \$ \$ 12,003,464 \$ 129,065 - - - - - - - - - - - - -	12,482,042 \$ 1,126,268 \$ 1,126,268 \$ 132,937	1,160.056 136,925 461,735
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58 59 70 71 72 73 74 75 76 77 78 80 81 32 33 43 5 88 6 37 88 83 9	C25230204500050 C25230204500190 C25230204500110 G25230204500121 G25230204500130 G25230204500140 G25230204500140 G25230204501010 G25230204501010 G25230204501010 G25230204501061 G25230204501061 G25230204501063 G25230204501063 G25230204501063 G25230204501060 G25230204501070 G25230204501080 G25230204501100 G25230204501100 G25230204501100	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services           Personnel Services           Regular Statrics           Annual Comp Increas           Reg Jashon Mert Emp           Extra pay           WPFO-Labor Charges           Accrued Leave           Leave Pay-Out           Employee Leave Pay-out           Fringe Benefits           FICA           Medicare           Retire Conth-EE Sy           Health-Cigna High           Health-Organ High           Health-MyChoice           Health-MyChoice           Health-BC/BS           Health-Actiser           Insurance-Group Life           Delta Dental           Total Personnel Services           Operating Expenses	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ 61,356  30,509  63,707 14,899 291,905  79,664 3,050 25,575  5,452 1,535 4,469 \$ 1,592,873 \$	<ul> <li>11,145,604</li> <li>887,910</li> <li>104,803</li> <li>-</li> <li>-&lt;</li></ul>	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - - - - - - - - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 11,409,022 \$ 1,030,695 \$ 121,656 410,245 410,245	11,755,690 1,061,616 125,306 - - - - - - - - - - - - -	\$ 12,111,383 \$ \$ 12,111,383 \$ \$ 129,065 - - - - - - - - - - - - -	12,482,042 \$ 11,126,268 \$ 132,937	1,160.056 136.925 
59 70 71 72 73 74 75 76 77 78 79 60 81 82 83 83 83 83 83 83 83 83 9 90	C25230204500050 C252302004500110 C252302004500110 C252302004500121 C252302004500121 C252302004500130 C252302004500100 C252302004501010 C252302004501010 C2523020045010100 C252302004501061 C252302004501062 C252302004501063 C252302004501070 C252302004501090 C252302004501090 C252302004501100 C252302004501100 C252302004501110 C252302004501110 C252302004501110 C2523020045011030	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services           Personnel Services           Regular Salaries           Annual Comp Increas           Rang Sal-Non Mert Emp           Extra pay           WPFO-Labor Charges           Accrued Leave           Leave Pay-Out           Employee Leave Pay-out           Fringe Benefits           FICA           Medicare           Retire Contrb-EE Sy           Health-Gigna High           Health-MyChoice           Health-MyChoice           Health-MyChoise           Health-Maser           Insurance-Group Life           Delta Dental           Total Personnel Services           Operating Expenses           Computer Equipment	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$         8,947,312         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         0,050         \$         \$           \$         0,050         25,575         \$           \$         1,592,873         \$         \$           \$         1,592,873         \$         \$           \$         131,672         \$         \$	<ul> <li>11,145,604</li> <li>887,910</li> <li>887,910</li> <li>104,803</li> <li>353,413</li> <li>353,413</li> <li>353,413</li> <li>1,346,126</li> <li>1,346,126</li> <li>201,944</li> </ul>	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - - - - - - - - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 11,409,022 \$ 121,656 \$ 121,656 \$ 410,245 - - - - - - - - - - - - -	11,755,690 1,061,616 125,306 - - - - - - - - - - - - -	\$ 12,111.383 \$ \$ 12,111.383 \$ \$ 129,065 - - - - - - - - - - - - -	12,482,042 \$ 11,126,268 \$ 132,937	1,160.056 136,925 461,735 461,735 1,758,716 224,716
59 70 71 72 73 74 75 76 77 78 79 60 81 82 83 84 55 66 77 88 89 90 1	C25230204500050 C25230204500190 C25230204500110 C25230204500121 C25230204500130 C25230204500140 C25230204500140 C25230204501010 C252302045010100 C252302045010100 C25230204501060 C25230204501061 C25230204501061 C25230204501062 C25230204501063 C25230204501060 C25230204501080 C25230204501090 C25230204501100 C25230204501100 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230200 C25230204500 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C252000 C2	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services           Personnel Services           Regular Stalaries           Annual Comp Increas           Reg Sal-Non Mert Emp           Extra pay           WPFO-Labor Charges           Accrued Leave           Leave Pay-Out           Employee Leave Pay-out           Fringe Benefits           FICA           Medicare           Retire Conth-EE Sy           Health-Cigna High           Health-May P0%           Health-May P0%           Health-Maxiser           Insurance-Group Life           Delta Dental           Total Personnel Services           Operating Expenses           Computer AccessRsupl	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$ 8,947,312 \$ \$ 1,010,752 \$ 61,356  30,509  63,707 14,899 291,905  79,664 3,050 25,575  5,452 1,535 4,469 \$ 1,592,873 \$	<ul> <li>11,145,604</li> <li>887,910</li> <li>104,803</li> <li>-</li> <li>-&lt;</li></ul>	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - - - - - - - - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 11,409,022 \$ 1,030,695 \$ 121,656 410,245 410,245	11,755,690 1,061,616 125,306 - - - - - - - - - - - - -	\$ 12,111,383 \$ \$ 12,111,383 \$ \$ 129,065 - - - - - - - - - - - - -	12,482,042 \$ 11,126,268 \$ 132,937	1,160.056 136,925 461,735 461,735 1,758,716 224,716
59 70 71 72 73 74 75 76 77 77 78 80 83 1 32 33 34 85 86 87 88 83 9 90 91 92	C25230204500050 C25230204500110 C25230204500110 C25230204500121 C25230204500130 C25230204500140 C25230204500100 C25230204501010 C252302045010100 C252302045010100 C25230204501060 C25230204501060 C25230204501060 C25230204501060 C25230204501060 C25230204501060 C25230204501070 C25230204501070 C25230204501070 C25230204501070 C25230204501090 C25230204501090 C25230204501000 C25230204501000 C25230204510040 C25230204510040 C25230204510040 C25230204510040 C25230204510040	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services Personnel Services Regular Salaries Annual Comp Increas Reg Sal-Non Mert Emp Extra pay WPFO-Labor Charges Accrued Leave Leave Pay-Out Employee Leave Pay-Out Finge Benefits FICA Medicare Retire Contrb-EE Sy Health-Gigna High Health OAP 90% Health-HSA Plan Health-MyChoice Health-MyChoice Health-BC/BS Health-C/BS Health-BC/SS Health-C/SS Health-Cores Dota Dental Total Personnel Services Operating Expenses Computer Acces&Supl Blig Materials & Sup	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Ben	\$         8,947,312         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         0,050         \$         \$           \$         0,050         25,575         \$           \$         1,592,873         \$         \$           \$         1,592,873         \$         \$           \$         131,672         \$         \$	<ul> <li>11,145,604</li> <li>887,910</li> <li>887,910</li> <li>104,803</li> <li>353,413</li> <li>353,413</li> <li>353,413</li> <li>1,346,126</li> <li>1,346,126</li> <li>201,944</li> </ul>	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - - - - - - - - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 11,409,022 \$ 121,656 \$ 121,656 \$ 410,245 - - - - - - - - - - - - -	11,755,690 1,061,616 125,306 - - - - - - - - - - - - -	\$ 12,111.383 \$ \$ 12,111.383 \$ \$ 129,065 - - - - - - - - - - - - -	12,482,042 \$ 11,126,268 \$ 132,937	
59 70 71 72 73 74 75 76 77 78 79 80 81 82 83 83 83 83 83 83 83 83 90 91	C25230204500050 C25230204500190 C25230204500110 C25230204500121 C25230204500130 C25230204500140 C25230204500140 C25230204501010 C252302045010100 C252302045010100 C25230204501060 C25230204501061 C25230204501061 C25230204501062 C25230204501063 C25230204501060 C25230204501080 C25230204501090 C25230204501100 C25230204501100 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204501030 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230204500 C25230200 C25230204500 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C25230200 C252000 C2	WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS WTDPS	WWT - IT Services           Personnel Services           Regular Stalaries           Annual Comp Increas           Reg Sal-Non Mert Emp           Extra pay           WPFO-Labor Charges           Accrued Leave           Leave Pay-Out           Employee Leave Pay-out           Fringe Benefits           FICA           Medicare           Retire Conth-EE Sy           Health-Cigna High           Health-May P0%           Health-May P0%           Health-Maxiser           Insurance-Group Life           Delta Dental           Total Personnel Services           Operating Expenses           Computer AccessRsupl	Labor Labor Labor Labor Labor Labor Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits	\$         8,947,312         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         1,010,752         \$         \$           \$         0,050         \$         \$           \$         0,050         25,575         \$           \$         1,592,873         \$         \$           \$         1,592,873         \$         \$           \$         131,672         \$         \$	<ul> <li>11,145,604</li> <li>887,910</li> <li>887,910</li> <li>104,803</li> <li>353,413</li> <li>353,413</li> <li>353,413</li> <li>1,346,126</li> <li>1,346,126</li> <li>201,944</li> </ul>	\$ 766,405 \$ \$ 112,765 \$ 13,310 - - - - - - - - - - - - -	11,912,009 \$ 1,000,675 \$ 118,113	11,409,022 \$ 11,409,022 \$ 11,409,022 \$ 121,656 410,245 410,245 1,562,597 \$ 1,562,597 \$ 206,589 \$ 113,074	11,755,690 1,061,616 125,306 - - - - - - - - - - - - -	\$ 12,111.383 \$ \$ 12,111.383 \$ \$ 129,065 - - - - - - - - - - - - -	12,482,042 \$ 11,126,268 \$ 132,937	1,160.056 136,925 

#### Page 10 of 14

#### Table 3 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis <u>Projection of Operating Expenses</u>

696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711	G/L Code G252302004512990 G252302004520000 G252302004520030 G252302004520030 G252302004521030 G252302004521061 G252302004521061 G252302004521061 G252302004521061 G252302004521080 G252302004521080 G252302004521280	WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE	Description Other Operating Supplies Ofe Eqp Maint&Repai Construct Maint/Repr Parks Ctr Facil M&R Scienti/Tech Eqp M& Translation Service Edu/Training Service Computer Services	Escalation Reference Inflation Repair Inflation Inflation Inflation	s	Actual 2023 - \$	Adopted 2024	Adjustments		Adjusted 2024		djusted 2025	2026	Proje	ected Fiscal Year E 2027	nding June 30, 2028	2029
696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711	G252302004512990 G252302004520000 G252302004520000 G252302004520030 G252302004520100 G252302004521050 G252302004521050 G252302004521060 G252302004521062 G252302004521080 G252302004521080 G252302004521080	WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE	Other Operating Supplies Ofe Eqp Maint&Repai Construct Maint/Repr Parks Ctr Facil M&R Scienti/Tech Eqp M& Translation Service Edu/Training Servic	Inflation Repair Repair Inflation Inflation	s	-	- 2024	Adjustments		2024		2025	2026		2027	2028	2029
697 698 699 700 701 702 703 704 705 706 707 708 709 710 711	G252302004520000 G252302004520020 G252302004520100 G252302004520100 G252302004521050 G252302004521050 G252302004521061 G252302004521062 G252302004521080 G252302004521080 G252302004521110	WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE	Ofc Eqp Maint&Repai Construct Maint/Repr Parks Ctr Facil M&R Scienti/Tech Eqp M& Translation Service Edu/Training Servic	Repair Repair Inflation Inflation	\$	- \$	-										
697 698 699 700 701 702 703 704 705 706 707 708 709 710 711	G252302004520000 G252302004520020 G252302004520100 G252302004520100 G252302004521050 G252302004521050 G252302004521061 G252302004521062 G252302004521080 G252302004521080 G252302004521110	WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE	Ofc Eqp Maint&Repai Construct Maint/Repr Parks Ctr Facil M&R Scienti/Tech Eqp M& Translation Service Edu/Training Servic	Repair Inflation Inflation	\$	- \$			-			-		-	-		
699 700 701 702 703 704 705 706 707 708 709 710 711	G252302004520030 G252302004520100 G252302004521030 G252302004521050 G252302004521060 G252302004521061 G252302004521062 G252302004521080 G252302004521110	WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE	Construct Maint/Repr Parks Ctr Facil M&R Scienti/Tech Eqp M& Translation Service Edu/Training Servic	Repair Inflation Inflation			-	s -	\$	-	\$	-	s -	\$	- \$	- \$	-
700 701 702 703 704 705 706 707 708 709 710 711	G252302004520100 G252302004521030 G252302004521050 G252302004521060 G252302004521061 G252302004521062 G252302004521080 G252302004521110	WTDOE WTDOE WTDOE WTDOE WTDOE WTDOE	Scienti/Tech Eqp M& Translation Service Edu/Training Servic	Inflation		-	-		-	-		-		-	-	-	
701 702 703 704 705 706 707 708 709 710 711	G252302004521030 G252302004521050 G252302004521060 G252302004521061 G252302004521062 G252302004521080 G252302004521110	WTDOE WTDOE WTDOE WTDOE WTDOE	Translation Service Edu/Training Servic			-	-		-	-		-		-	-	-	
702 703 704 705 706 707 708 709 710 711	G252302004521050 G252302004521060 G252302004521061 G252302004521062 G252302004521080 G252302004521110	WTDOE WTDOE WTDOE WTDOE	Edu/Training Servic	Inflation		-	-		-	-		-		-	-	-	
703 704 705 706 707 708 709 710 711	G252302004521060 G252302004521061 G252302004521062 G252302004521080 G252302004521110	WTDOE WTDOE WTDOE				-	-		-	-		-		-	-	-	
704 705 706 707 708 709 710 711	G252302004521061 G252302004521062 G252302004521080 G252302004521110	WTDOE WTDOE	Computer Services	Inflation		12,417	-		-	-		-		-	-	-	
705 706 707 708 709 710 711	G252302004521062 G252302004521080 G252302004521110	WTDOE	Computer Dervices	Inflation		171,314	875,393		-	875,393		895,527	914,333	3	932,619	953,137	974,106
706 707 708 709 710 711	G252302004521080 G252302004521110		PC Replacement	Inflation	\$	245,743 \$	358,000	s -	· \$	358,000	\$	366,234	\$ 373,92	5\$	381,403 \$	389,794 \$	398,370
707 708 709 710 711	G252302004521110	WTDOE	Tech Infra Chargeback	Inflation		-	-		-	-		-		-	-	-	
708 709 710 711		WIDDE	Other Pro Cntrct Sv	Inflation		-	75,000		-	75,000		76,725	78,33	5	79,903	81,661	83,451
709 710 711	G252302004521250	WTDOE	Public Works Service	Inflation		-	-		-	-		-		-	-	-	
710 711		WTDOE	Misc Serveices	Inflation		-	-		-	-		-		-	-	-	
711	G252302004542210	WTDOE	Mgmt/Prof Training	Inflation		-	18,000		-	18,000		18,414	18,80	1	19,177	19,599	20,030
	G252302004542220	WTDOE	Technical Train Cnt	Inflation		-	28,600		-	28,600		29,258	29,872	2	30,470	31,140	31,825
710	G252302004543000	WTDOE	Cash Awards	Inflation	\$	- \$	-	s -	\$	-	s	-	s -	\$	- \$	- \$	-
/12	G252302004544540	WTDOE	Credit Card Expense	Inflation		-	-		-	-		-		-	-	-	
713	G252302004544538	WTDOE	Professional Memberships	Inf/Emp		-	-		-	-		-		-	-	-	
714	G252302004544539	WTDOE	Prof Subscriptions	Inf/Emp		-	3,500		-	3,500		3,581	3,65	5	3,729	3,811	3,89
715	G252302004544090	WTDOE	Services-Other Agency	Inflation		-	-		-	-		-		-	-	-	
716	G252302004544990	WTDOE	Other Operating Exp	Inflation		-	-		-	-		-		-	-	-	
717			Total Operating Expenses		\$	657,455 \$	1,670,969	\$	- \$	1,670,969	\$	1,709,401	\$ 1,745,299	9 \$	1,780,204 \$	1,819,369 \$	1,859,395
			Capital Equipment [1]														
718	G252302004566125	WTDCE	Equipment Expense	Bud Cap	\$	29,312 \$	1,093,839	\$ (1,093,8	39) \$	-	\$	-	s -	\$	- \$	- \$	-
719			Total Capital Equipment [1]		\$	29,312 \$	1,093,839	\$ (1,093,8	39) \$	-	\$	-	\$	- \$	- \$	- \$	
720			Total WWT - IT Services		\$	2,279,640 \$	4,110,934	\$ (922,8	81) \$	3,188,053	\$	3,271,998	\$ 3,354,77	3\$	3,437,963 \$	3,526,860 \$	3,618,11
			WWT - Engineering Personnel Services														
721	G252302005500000	WTDPS	Regular Salaries	Labor	s	761,208 \$	508,349	\$ 64.5	60 \$	572,909	s	590,097	\$ 607,80	n s	626,033 \$	644,814 \$	664,159
	G252302005500050	WTDPS	Annual Comp Increas	Labor	Ŷ	,01,200 \$	42,765	5,4		48,196	÷	49,642	51,13		52,665	54,245	55,87
	G252302005500090	WTDPS	Reg Sal- Non Mert Em	Labor		35,842	12,705	5,1	-	10,150		19,012	51,15		52,005	5 1,2 15	55,67
	G252302005500090	WTDPS	Shift Differential	Labor		55,012											
	G252302005500110	WTDPS	Extra pay	Labor		1.857											
	G252302005500130	WTDPS	Accrued Leave	Labor		13,999											
	G252302005501000	WTDPS	Employee Leave Pay-out	Benefits													
	G252302005501000	WTDPS	Fringe Benefits	Benefits			237,660	30,1	83	267,843		275,878	284.154	1	292,679	301,459	310,50
	G252302005501010	WTDPS	FICA	Benefits		46,289	257,000	50,1	-	207,015		275,676	201,15		272,077	501,155	510,50.
	G252302005501010	WTDPS	Medicare	Benefits		10,826			-					_	_		
	G252302005501011 G252302005501020	WTDPS	Retire Contrb-EE Sy	Benefits		219,837	-		-	-		-		-	-	-	
	G252302005501020	WTDPS	Health Cigna High	Benefits		217,057			-					_			
	G252302005501060	WTDPS	Health OAP 90%	Benefits		71,553			-					_			
	G252302005501001 G252302005501062	WTDPS	Health-HSA Plan	Benefits		11,000	-			-		-		-	-	-	
	G252302005501062 G252302005501063	WTDPS	Health-MyChoice	Benefits			-		-	-		-		-			
	G252302005501065 G252302005501070	WTDPS	Health-Cigna Low	Benefits		13,200	-		-	-		-		-			
	G252302005501070 G252302005501080	WTDPS	Health-BC/BS	Benefits		15,200	-			-		-		-	-	-	
	G252302005501080	WTDPS	Health-Kaiser	Benefits		24,661	-			-		-		-	-	-	
	G252302005501090	WTDPS	Insurance-Group Life	Benefits		1,175	-			-		-		-	-	-	
	G252302005501061	WTDPS	Delta Dental	Benefits		4,157	-			-		-		-	-	-	
	G2523020055011001 G252302005501110	WTDPS	Tools County	Benefits		4,157	-			-		-		-	-	-	
	G252302005501110 G252302005501110	WTDPS	Comm & Media Service	Benefits		2,436	-		-	-		-		-			
742	0252502005501110	wibr3	Total Personnel Services	Benefits	s	1,207,213 \$	788,774	\$ 100,1	-	888,948	s	915,617	\$ 943,08	5 5	971,378 \$	1,000,519 \$	1,030,53
/43					3	1,207,213 3	/00,//4	5 100,1	/+ .a	000,748	Ģ	915,017	<i>y</i> 743,08.	, o	7/1,5/0 \$	1,000,317 \$	1,050,55
744	G252302005544990	WTDOE	Operating Expenses Other Operating Exp	Inflation	s	- \$	-	s -	s	-	s	-	s -	s	- S	- S	-
745			Total Operating Expenses		_	-		-	-		~			-	-	-	
746			Total WWT - Engineering		\$	1,207,213 \$	788,774	\$ 100,1	74 \$	888,948	\$	915,617	\$ 943,08	5 \$	971,378 \$	1,000,519 \$	1,030,53
747			Total Wastewater Treatment Depa	urtment	s	28,554,002 \$	40,305,265			38,107,450		39,073,764			41,444,146 \$	42,686,099 \$	43,960,608

#### Projection of Operating Expenses

						Pro	ojection of Opera	ting Expenses							
Line No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024	Adjustments	Adjusted 2024	1	Adjusted 2025	2026	Projected Fiscal Year E 2027	nding June 30, 2028	2029
					-					-					
			WPM - WASTEWATER PLANNI	NG & MONIT	fORIN	lG									
			WP&M - Fiscal Personnel Services												
748	G252303001500000	WPMPS	Regular Salaries	Labor	\$	5,305,128 \$	2,583,809 \$	\$ 328,144 \$	2,911,953	s	2,999,311 \$	3,089,291	\$ 3,181,969 \$	3,277,428 \$	3,375,751
749	G252303001500040	WPMPS	New Position-Regular Salaries	Labor		-	-	-	-		-	-		-	-
750	G252303001500050	WPMPS	Annual Comp Increas	Labor		-	216,653	27,515	244,168		251,493	259,038	266,809	274,813	283,058
751 752	G252303001500080 G252303001500090	WPMPS WPMPS	POS Turnover-Pay Reg Sal-Non Mert Em	Labor Labor		252,179	(27,561) 12,682	(3,500) 1,611	(31,061) 14,293		(31,993) 14,721	(32,953) 15,163	(33,941) 15,618	(34,960) 16,086	(36,008) 16,569
753	G252303001500100	WPMPS	Shift Differential	Labor		-	- 12,002	-			-			-	
754	G252303001500110	WPMPS	Extra pay	Labor		3,954	4,907	623	5,530		5,696	5,867	6,043	6,224	6,411
755	G252303001500130	WPMPS	Accrued Leave	Labor		61,450	132,804	16,866	149,670		154,160	158,785	163,549	168,455	173,509
756 757	G252303001500150 G252303001501000	WPMPS WPMPS	Leave Pay out Fringe Benefits	Labor Benefits		18,603 48,696	900,939	- 114,419	1,015,358		- 1,045,819	- 1,077,194	1,109,509	1,142,795	1,177,078
758	G252303001501000 G252303001501010	WPMPS	FICA	Benefits		326.337	900,939	-	1,015,558		1,045,819	1,077,194	1,109,509	1,142,795	1,177,078
759	G252303001501011	WPMPS	Medicare	Benefits		76,930	-	-	-		-	-	-	-	-
760	G252303001501020	WPMPS	Retire Contrb-EE Sy	Benefits		1,449,686	-	-	-		-	-	-	-	-
761	G252303001501055	WPMPS	OPEB Contributions	Benefits		272,767	215,183	27,328	242,511		249,787	257,280	264,999	272,949	281,137
762 763	G252303001501060 G252303001501061	WPMPS WPMPS	Health-Cigna High Health OAP 90%	Benefits Benefits		271,820	-	-	-		-	-	-	-	-
764	G252303001501061 G252303001501062	WPMPS	Health-HSA Plan	Benefits		13,583	-		-		-	-	-	-	-
765	G252303001501063	WPMPS	Health-MyChoice	Benefits		137,873	-	-	-		-	-	-	-	-
766	G252303001501070	WPMPS	Health-Cigna Low	Benefits		93,988	-	-	-		-	-	-	-	-
767	G252303001501080	WPMPS	Health-BC/BS	Benefits		100 100	-	-	-		-	-	-	-	-
768 769	G252303001501090 G252303001501100	WPMPS WPMPS	Health-Kaiser Insurance-Group Life	Benefits Benefits		109,452 8,465	-	-	-		-	-	-	-	-
770	G252303001501100	WPMPS	Delta Dental	Benefits		24,644	-	-	-		-	-	-	-	-
771	G252303001502120	WPMPS	Worker Comp Ins Plc	Benefits		-	102,000	12,954	114,954		118,403	121,955	125,613	129,382	133,263
772			Total Personnel Services		\$	8,475,555 \$	4,141,416 \$	\$ 525,960 \$	4,667,376	\$	4,807,397 \$	4,951,619	\$ 5,100,168 \$	5,253,173 \$	5,410,768
			Operating Expenses												
773	G252303001510000	WPMOE	Office Equip&Furnit	Inflation	\$	954 \$	5,000 \$	s - s		\$	5,115 \$	5,222		5,444 \$	5,564
774	G252303001510020	WPMOE	Office Supplies	Inflation		328	1,001	-	1,001		1,024	1,046	1,067	1,090	1,114
775 776	G252303001510030 G252303001510000	WPMOE WPMOE	Computer Equipment Othr NonCap Eqpt Pur	Inflation Inflation	s	8,674 - \$	2,000	s - s	2,000	s	2,046	2,089	2,131 \$ - \$	2,178	2,226
777	G252303001510000 G252303001510020	WPMOE	Computer Acces&Supl	Inflation	3	3.782	5.000	s - s -	5,000	3	5,115	5,222	5,327	- \$ 5,444	5,564
778	G252303001510020	WPMOE	Printing Acces&Supl	Inflation		1,298	500		500		512	522	533	544	556
779	G252303001510000	WPMOE	Postage	Inf/Cust	\$	568 \$	2,000 \$	s - s		\$	2,054 \$		\$ 2,157 \$	2,214 \$	2,272
780	G252303001510020	WPMOE	Bldg Maint & Repair	Repair		154	3,000	-	3,000		3,120	3,245	3,375	3,510	3,650
781 782	G252303001510030 G252303001510000	WPMOE WPMOE	Educational Supplie	Inflation Inflation	s	132	1,000	s - s	1,000	s	1,023	1,044	1,065 \$ - \$	1,089	1,113
782	G252303001510000 G252303001510020	WPMOE	Library Equipment Chemicals	Inflation	3	- 5	- 5	s - 5	-	3	- \$		s - s	- \$	
784	G252303001510020	WPMOE	Tools County	Inflation			-		-		-	-	-	-	-
785	G252303001510000	WPMOE	Eng Drft&Sur Eqp⋑	Inflation	\$	- \$	- 5	s - s	-	\$	- \$		s - s	- \$	-
786	G252303001510020	WPMOE	Hshl Aplnc/Supl/Rep	Inflation		107	-	-	-		-	-	-	-	-
787 788	G252303001510030 G252303001510000	WPMOE WPMOE	Med&Lab Eqp and Sup Park/Rctn Area Equi	Inflation Inflation	s	173	200	s - s	200	s	205	209	213 \$ - \$	218	223
789	G252303001510000 G252303001510020	WPMOE	Lab Equip and Supl	Inflation	3	- 3	- 3	s - s -		3	- 3		s - s	- 3	
790	G252303001510020	WPMOE	Other Operating Sup	Inflation		24	2,000		2,000		2,046	2,089	2,131	2,178	2,226
791	G252303001510000	WPMOE	Automotive Equp&Supl	Inflation	\$	- S	- 5	s - s		\$	- \$		s - s	- S	-
792	G252303001510020	WPMOE	Poli/Prison Eqp&Supl	Inflation		-	-	-	-		-	-		-	-
793 794	G252303001510030 G252303001510000	WPMOE WPMOE	Uniform/Wear Appare	Inf/Emp	s	- S	- 5	s - s	-	s	-	-	s - s	- s	-
794	G252303001510000 G252303001510020	WPMOE	Ofc Eqp Maint&Repai Construct Maint/Repr	Repair Repair	3	- 3	10,000	, - 3		3	- \$		s - s -	- 3	
796	G252303001510020	WPMOE	Scienti/Tech Eqp M&R	Inflation		-		-	-		-	-	-	-	-
797	G252303001510000	WPMOE	Other Maint & Repai	Repair	\$	- \$	5,000 \$	s - s		\$	5,200 \$	5,408		5,849 \$	6,083
798	G252303001510020	WPMOE	Financial Services	Inflation		108,426	161,631	-	161,631		165,349	168,821	172,198	175,986	179,858
799 800	G252303001510030 G252303001510000	WPMOE WPMOE	Audit/Acct Services Educational/Training Services	Inflation Inflation	s	44,296 - \$	50,000	s - s	50,000	s	51,150	52,224	53,269 \$ - \$	54,441 - \$	55,638
800	G252303001510000 G252303001510020	WPMOE	Educational/Training Services Computer Services	Inflation	3	- \$	250,000		250,000	3	- \$	261,121	s - s 266,343	- \$	278,191
802	G252303001510020 G252303001510030	WPMOE	Computer Replacement	Inflation		-		-							-
803	G252303001510000	WPMOE	Tech Infra Chrgbck	Inflation	\$	2,435 \$	20,000 \$	s - s		\$	20,460 \$	20,890		21,776 \$	22,255
804	G252303001510020	WPMOE	Other Pro Cntrct Sv	Inflation		752,413	769,692	-	769,692		500,000	510,500	520,710	532,166	543,873
805	G252303001510030	WPMOE	Comm & Media Servic	Inflation		2,786	10,000	-	10,000		10,230	10,445	10,654	10,888	11,128
806 807	G252303001510000 G252303001510020	WPMOE WPMOE	Telecommunication Chargeback Special Events	Inflation Inflation	\$	6,151 \$ 695	50,000 \$	s - s	50,000	\$	51,150 \$	52,224	\$ 53,269 \$	54,441 \$	55,638
808	G252303001510020 G252303001510020	WPMOE	Licensing Fees	Inflation		24,906	16,000	-	16,000		16,368	16,712	17,046	17,421	17,804
809	G252303001510020	WPMOE	Meals	Inflation		,	15,000	-	15,000		15,345	15,667	15,981	16,332	16,691
810	G252303001510000	WPMOE	Misc Services	Inflation	\$	2,310 \$	- \$	s - s	-	\$	- \$		s - s	- \$	-
811	G252303001510020	WPMOE	Rent-Copier Equipment	Inflation		5,057	1,000	-	-		-	-	-	-	-
812 813	G252303001510030 G252303001510000	WPMOE WPMOE	Electricity County OPEB	Electricity Inflation	s	- S		s - s	-	s	- s	-	s - s	- s	-
813	G252303001510000 G252303001510020	WPMOE	Gen Liab Admin	Insurance	3	- 3	1,100	, - 3	1,100	\$	1,125	1,149	s - s 1,172	- \$	1,224
815	G252303001510020	WPMOE	Auto Liab Admin	Insurance		1,213	15,000	-	15,000		15,345	15,667	15,981	16,332	16,691
816	G252303001510000	WPMOE	Local Travel County	Inflation	\$	2,041 \$	1,000 \$	s - s	1,000	\$	1,023 \$	1,044	\$ 1,065 \$	1,089 \$	1,113
817	G252303001510020	WPMOE	Miscellaneous Travel	Inflation		3,149	25,351	-	25,351		25,934	26,479	27,009	27,603	28,210
818	G252303001510030 G252303001542210	WPMOE WPMOE	Certification Momt/Brof Training	Inflation		1,150 13,856	3,000 40,000	-	3,000 40,000		3,069 40,920	3,133 41,779	3,196 42,615	3,266 43,552	3,338 44,511
819 820	G252303001542210 G252303001542210	WPMOE WPMOE	Mgmt/Prof Training Technical Train Cnt	Inflation Inflation		13,856 102	40,000 25,000	-	40,000 25,000		40,920 25,575	41,779 26,112	42,615 26,634	43,552 27,220	44,511 27,819
	G252303001542210 G252303001542210	WPMOE	Reimb-Telephone Exp	Inflation		102	- 25,000	-	25,000				- 20,034		27,019
821			,r												
822	G252303001542210	WPMOE	Other General Expenses	Inflation		-	-	-	-		-	-	-	-	-
	G252303001542210 G252303001542210 G252303001542210	WPMOE WPMOE WPMOE	Other General Expenses Cash Awards Departmental Awards	Inflation Inflation Inflation		- - 1,914	5,862	-	5.862		5,997	6,123	6,245	6,383	6,523

Footnotes on Page 14 of 14.

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Line								y, Virginia							
Line								iency and Rate Ana	lysis						
Line							ojection of Oper	ating Expenses							
No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024	Adjustments	Adjusted 2024	A	Adjusted 2025	2026	Projected Fiscal Year Er 2027	nding June 30, 2028	2029
825		VPMOE	Plaques and Awards	Inflation			1,000	-	1,000		1,023	1,044	1,065	1,089	1,113
826	G252303001542210 W	VPMOE	Copying	Inflation		-	-	-	-		-	-	-	-	-
827 828		VPMOE VPMOE	Phototypesetting Printing and Bindin	Inflation Inflation		547	-	-	-		-	-	-	-	-
829		VPMOE	Assigned Agency Veh	Inflation		3,369	2,954	-	2,954		3,022	3,085	3,147	3,216	3,287
830		VPMOE	Motor Pool	Inflation		183	-	-	-		-	-	-	-	-
831 832		VPMOE VPMOE	Fuel Service-Other Agenc	Fuel Inflation		1,535 146,198	500,000	-	500,000		200,000	204,200	208,284	212,866	217,549
833		VPMOE	Mileage Allow Auto	Inflation		-	-	-	-		-	-	-	-	-
834		VPMOE	Internal Fairfax Support	Inflation		-	-	-	-		-	-	-	-	-
835 836		VPMOE VPMOE	Operating Bad Debt Expense Prof Memberships	Inflation Inf/Emp		89,501	60,192	-	303,054 60,192		310,025 61,577	316,535 62,870	322,866 64,127	329,969 65,538	337,228 66,980
837	G252303001542210 W	VPMOE	Prof Subcriptions	Inflation		136	-	-			-	-	-	-	-
838		VPMOE	Credit Card Expense	Inflation		2.078	- 19,044	-	10.044		-	-	-	20.725	-
839		VPMOE	Other Operating Exp	Inflation		2,078		-	19,044		19,482	19,891	20,289	20,735	21,191
840	G252303001544990		Total Operating Expenses		\$	1,232,642 \$	2,079,528	s -	\$ 2,371,583	s	1,827,378 \$	1,865,920	\$ 1,903,420 \$	1,945,467 \$	1,988,445
841	G252303001500121 W	VPMRC	Recovered Costs WPFO-Labor Charges	Labor	s	- S		s -	s -	s	- S		s - s	- S	-
842	G252303001500122 W	VPMRC	WPFO-Agency OH Cost	Inflation		-	-	· •	· -		-	-	-	-	-
843	G252303001542590 W	VPMRC	Misc Exp Reimb	Constant	\$	(494,484) \$	-	s -	s -	\$	- \$	-	s - s	- \$	-
844			Total Recovered Costs		\$	(494,484) \$	-	s -	\$ -	s	- \$	-	\$ - \$	- \$	-
845	G252303001563040 W	VPMCE	Capital Equipment [1] Design-Consultant	Pud C	s	- S		s -	s -	s	- S		s - s	- S	
845		VPMCE	Construct-Equip Acq	Bud Cap Bud Cap	3	- 3				\$	- 3	· · .		- 3	
847	G252303001566125 W	VPMCE	Equipment Expense	Bud Cap		-	-	-	-		-	-	-	-	-
848	G252303001566150 W	VPMCE	Vehicles Expense	Bud Cap		-	-	-	-		-	-	-	-	-
849			Total Capital Equipment [1]		\$	- \$	-	\$ -	s -	\$	- \$	-	\$ - \$	- \$	-
850			Total WP&M - Fiscal		\$	9,213,713 \$	6,220,944	\$ 525,960	\$ 7,038,958	\$	6,634,775 \$	6,817,539	\$ 7,003,588 \$	7,198,639 \$	7,399,212
			WP&M - Engineer Planning												
851	G252303002500000 W	VPMPS	Personnel Services Regular Salaries	Labor	s	1,093,392 \$	989,957	\$ 125,725	\$ 1,115,682	s	1,149,152 \$	1,183,627	\$ 1,219,135 \$	1,255,709 \$	1,293,381
852		VPMPS	Annual Comp Increas	Labor	3	-	78,702	9,995	88,697	3	91,358	94,099	96,922	99,829	102,824
853		VPMPS	POS Turnover-Pay	Labor		-	(47,297)	(6,007)	(53,304)		(54,903)	(56,550)	(58,246)	(59,994)	(61,794)
854 855		VPMPS VPMPS	Reg Sal-Non Mert Emp Extra pay	Labor Labor		-	852	108	960		989	1,019	1,049	1,081	1,113
856		VPMPS	Accrued Leave	Labor		55,466	-	-	-		-		-	-	-
857		VPMPS	Leave Pay out	Labor		12,890	-	-	-			-	-	-	-
858 859		VPMPS VPMPS	Fringe Benefits FICA	Benefits Benefits		66,548	386,828	49,127	435,955		449,034	462,505	476,380	490,671	505,392
860	G252303002501011 W	VPMPS	Medicare	Benefits		15,564	-	-	-		-	-		-	-
861 862		VPMPS VPMPS	Retire Contrb-EE Sy Health-Cigna High	Benefits		297,041	-	-	-		-	-	-	-	-
863		VPMPS	Heath OAP 90%	Benefits Benefits		28,727		-	-		-		-	-	-
864	G252303002501062 W	VPMPS	Health-HSA Plan	Benefits		1,400	-	-	-		-	-	-	-	-
865 866		VPMPS VPMPS	Health-MyChoice Health-Cigna Low	Benefits Benefits		12,599 39,215	-	-	-		-		-	-	-
867		VPMPS	Health-BC/BS	Benefits			-	-	-		-		-	-	-
868		VPMPS	Health-Kaiser	Benefits		25,162	-	-	-		-	-	-	-	-
869 870		VPMPS VPMPS	Insurance-Group Life Delta Dental	Benefits Benefits		1,764 4,065									
871		VPMPS	Computer Sys Lic Non	Benefits		-		-	-		-		-	-	-
872		VPMPS	Health Related Srvs	Benefits		115	-	-	-		-	-	-	-	-
873	G252303002501110 W	VPMPS	Services-Other Agency	Benefits		403	1.409.042	-	-		-	-	-	-	-
874			Total Personnel Services Operating Expenses		\$	1,654,350 \$	1,409,042	\$ 178,948	\$ 1,587,990	\$	1,635,630 \$	1,684,699	\$ 1,735,240 \$	1,787,297 \$	1,840,916
875		VPMCE	Other Operating Supplies	Repair		-	-	-	-		-	-	-	-	-
876		VPMCE	Other Professional Consultant & Co	Inflation	\$	- \$		\$ 1,000,000	\$ 1,000,000	\$	1,100,000 \$	1,123,100	\$ 1,145,562 \$	1,170,764 \$	1,196,521
877 878		VPMCE VPMCE	Miscellaneous Services Certification	Inflation Inflation	s	- s	1,009,000	(1,009,000) \$ -	s -	s	- s		s - s	- \$	
879	G252303002544990 W	VPMCE	Management / Professional Training	Inflation		-	-	· •	-		-	-	· ·	-	-
880		VPMCE	Technical Training County	Inflation	\$	- \$	-	s -	s -	\$	- \$	-	s - s	- \$	-
881 882	G252303002544990 W G252303002520110 W	VPMCE VPMCE	Cash Awards Professinal Memberships	Inflation Inflation	s	- \$		s - :	s -	s	- s		s - s	- \$	
883		VPMCE	Other Operating Exp	Inflation		-	-	-	-		-	-	-	-	-
884			Total Operating Expenses		s s	- \$	1,009,000	,			1,100,000 \$ 2,735,630 \$	1,123,100		1,170,764 \$ 2,958,061 \$	1,196,521
885			Total WP&M - Engineer Planning		3	1,004,300 \$	2,418,042	\$ 169,948	\$ 2,587,990	s	2,755,030 \$	2,807,799	» 2,860,802 \$	2,938,061 \$	3,037,437
			WP&M - Lab Personnel Services												
886		VPMPS	Regular Salaries	Labor	\$	1,456,556 \$	1,649,662			\$	1,914,944 \$	1,972,392		2,092,511 \$	2,155,287
887 888		VPMPS VPMPS	Annual Comp Increas POS Turnover-Pay	Labor Labor		-	179,623 (70,947)	22,812 (9,010)	202,435 (79,957)		208,508 (82,356)	214,763 (84,827)	221,206 (87,371)	227,843 (89,993)	234,678 (92,692)
888 889		VPMPS	Reg Sal Non Mert Em	Labor		109,350	(70,947) 1,643	(9,010) 209	(/9,957) 1,852		(82,356) 1,907	(84,827) 1,964	2,023	2,084	(92,692) 2,147
890	G252303003500080 W	VPMPS	Extra pay	Labor		93,978	35,929	4,563	40,492		41,707	42,958	44,247	45,574	46,941
891 892		VPMPS VPMPS	Accrued Leave Leave Pay out	Labor Labor		83,385 29,547	-		-		-	-	-	-	-
892 893		VPMPS	Fringe Benefits	Benefits		27,347	652,221	82,832	735,053		757,105	779,818	803,212	827,309	852,128
		VPMPS	FICĂ	Benefits		99,017	-	-	-		-	-		-	-
894 895		VPMPS	Medicare	Benefits		23,223		-			-	-			

Footnotes on Page 14 of 14.

#### Table 3 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis <u>Projection of Operating Expenses</u>

898         (2252303)           990         (2252303)           901         (2252303)           902         (2252303)           903         (2252303)           904         (2252303)           905         (2252303)           906         (2252303)           907         (2252303)           908         (2252303)           909         (2252303)           909         (2252303)           909         (2252303)           910         (2252303)           911         (2252303)           912         (2252303)           913         (2252303)           914         (2252303)           915         (2252303)           916         (2252303)           920         (2252303)           921         (2252303)           922         (2252303)           923         (2252303)           924         (2252303)           925         (2252303)           926         (2252303)           931         (2252303)           933         (2252303)           934         (2252303)           935	303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003510000 303003510000 303003510020 303003510020	WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE	Description Health-Cigna High Health-Cigna High Health-MSA Plan Health-MSChoice Health-MSChoice Health-Kaiser Insurance-Croup Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Escalation Reference Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits Benefits		Actual 2023 212,607 700 5,915 19,445 13,306 2,291 7,799	Adopted 2024 - - - - - - - - - - - - -	Adjus	stments - - - - - - - - - -	Adjusted 2024 - - - - -	Adjusted 2025		Pr 5 - - - - - -	rojected Fiscal Year Er 2027 - - - - - - - -	nding June 30, 2028 - - - - - -	2029
898         (2252303)           990         (2252303)           901         (2252303)           902         (2252303)           903         (2252303)           904         (2252303)           905         (2252303)           906         (2252303)           907         (2252303)           908         (2252303)           909         (2252303)           909         (2252303)           909         (2252303)           910         (2252303)           911         (2252303)           912         (2252303)           913         (2252303)           914         (2252303)           915         (2252303)           916         (2252303)           920         (2252303)           921         (2252303)           922         (2252303)           923         (2252303)           924         (2252303)           925         (2252303)           926         (2252303)           931         (2252303)           933         (2252303)           934         (2252303)           935	303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003510000 303003510000 303003510020 303003510020 303003510020	WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE	Health OAP 90% Health-HSA Plan Health-MyChoice Health-MyChoice Health-Kaiser Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits Benefits Benefits Benefits Benefits Benefits Benefits		700 5,915 19,445 13,306 2,291				-		-	-			
898         (252203)           990         (2522303)           901         (2522303)           902         (252303)           903         (252303)           904         (2522303)           905         (252303)           906         (252303)           907         (252303)           908         (252303)           909         (252303)           909         (252303)           901         (252303)           910         (252303)           911         (252303)           912         (252303)           913         (252303)           914         (252303)           915         (252303)           916         (252303)           917         (252303)           918         (252303)           920         (252303)           921         (252303)           922         (252303)           923         (252303)           924         (252303)           925         (252303)           933         (252303)           934         (252303)           935         (252303)     <	303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003510000 303003510000 303003510020 303003510020 303003510020	WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE	Health OAP 90% Health-HSA Plan Health-MyChoice Health-MyChoice Health-Kaiser Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits Benefits Benefits Benefits Benefits Benefits Benefits		700 5,915 19,445 13,306 2,291			-			-	-		-	-
899         (252303)           900         (252303)           901         (252303)           902         (252303)           903         (252303)           904         (252303)           905         (252303)           906         (252303)           907         (252303)           908         (252303)           907         (252303)           908         (252303)           910         (252303)           911         (252303)           912         (252303)           913         (252303)           914         (252303)           915         (252303)           916         (252303)           917         (252303)           918         (252303)           919         (252303)           912         (252303)           913         (252303)           914         (252303)           915         (252303)           916         (252303)           917         (252303)           918         (252303)           919         (252303)           910         (252303) <td>303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003510000 303003510000 303003510020 303003510020 303003510020 303003510020</td> <td>WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE</td> <td>Health-HSA Plan Health-MyChoice Health Insurance-Cigna Low Health-Bc/BS Health-Kaiser Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑</td> <td>Benefits Benefits Benefits Benefits Benefits Benefits Benefits</td> <td></td> <td>700 5,915 19,445 13,306 2,291</td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>- - -</td> <td>-</td>	303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003510000 303003510000 303003510020 303003510020 303003510020 303003510020	WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE	Health-HSA Plan Health-MyChoice Health Insurance-Cigna Low Health-Bc/BS Health-Kaiser Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits Benefits Benefits Benefits Benefits Benefits Benefits		700 5,915 19,445 13,306 2,291			-	-		-	-		- - -	-
001         (225230)           902         (225230)           903         (225230)           904         (225230)           905         (225230)           906         (225230)           906         (225230)           906         (225230)           907         (25230)           908         (225230)           9097         (225230)           9010         (225230)           9111         (225230)           91212         (225230)           913         (225230)           914         (225230)           915         (225230)           916         (225230)           917         (225230)           918         (225230)           919         (225230)           922         (22520)           923         (22520)           924         (22520)           925         (22520)           926         (22520)           923         (22520)           924         (22520)           925         (22520)           926         (22520)           927         (22520)	303003500080 303003500080 303003500080 303003500080 303003500080 303003500080 303003510000 303003510000 303003510020 303003510020 303003510020	WPMPS WPMPS WPMPS WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE	Health Insurance-Cigna Low Health-&Ciser Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits Benefits Benefits Benefits Benefits		19,445 13,306 2,291	-		-	-		-	-	-		-
902         (252303)           903         (252303)           904         (252303)           905         (252303)           906         (252303)           907         (252303)           908         (252303)           909         (252303)           909         (252303)           910         (252303)           910         (252303)           911         (252303)           912         (252303)           913         (252303)           914         (252303)           915         (252303)           916         (252303)           917         (252303)           920         (252303)           921         (252303)           922         (252303)           923         (252303)           924         (252303)           924         (252303)           932         (252303)           933         (252303)           934         (252303)           935         (252303)           936         (252303)           937         (252303)           938         (252303) <td>303003500080 303003500080 303003500080 303003500080 303003500080 303003510000 303003510020 303003510020 303003510020 303003510020 303003510020</td> <td>WPMPS WPMPS WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE</td> <td>Health Insurance-Cigna Low Health-&amp;Ciser Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑</td> <td>Benefits Benefits Benefits Benefits</td> <td></td> <td>- 13,306 2,291</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	303003500080 303003500080 303003500080 303003500080 303003500080 303003510000 303003510020 303003510020 303003510020 303003510020 303003510020	WPMPS WPMPS WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE	Health Insurance-Cigna Low Health-&Ciser Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits Benefits Benefits Benefits		- 13,306 2,291	-		-	-		-	-	-	-	-
003         (252203)           904         (2522303)           905         (252303)           907         (252303)           908         (2522303)           9090         (252303)           9090         (2522303)           9090         (2522303)           9010         (2522303)           9111         (252303)           9112         (252303)           9113         (252303)           9114         (252303)           9115         (252303)           9116         (252303)           9121         (252303)           9211         (252303)           9212         (252303)           9213         (252303)           9226         (252303)           923         (252303)           924         (252303)           925         (252303)           926         (252303)           927         (252303)           928         (252303)           929         (252303)           9214         (252303)           923         (252303)           924         (252303)           925         (	303003500080 303003500080 303003500080 303003500080 303003510000 303003510020 303003510020 303003510020 303003510020 303003510020	WPMPS WPMPS WPMPS WPMOS WPMOE WPMOE WPMOE	Health-Kaiser Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits Benefits Benefits		2,291	-						-	-	-	
904         (225230)           905         (225230)           906         (225230)           907         (225230)           908         (225230)           907         (225230)           909         (225230)           909         (225230)           910         (225230)           911         (225230)           912         (225230)           913         (225230)           914         (225230)           915         (225230)           916         (225230)           917         (225230)           918         (225230)           919         (225230)           921         (225230)           922         (225230)           923         (225230)           924         (22520)           927         (22530)           928         (22520)           929         (22520)           921         (22520)           922         (22520)           923         (22520)           924         (22520)           923         (22520)           924         (22520)	303003500080 303003500080 303003500080 303003510000 303003510020 303003510020 303003510020 303003510020	WPMPS WPMPS WPMPS WPMOE WPMOE WPMOE WPMOE	Insurance-Group Life Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits Benefits		2,291	-		-							-
90.5         C232200           906         C222303           907         C252303           907         C252303           908         C252303           909         C252303           900         C252303           910         C252303           911         C252303           912         C252303           913         C252303           914         C252303           915         C252303           916         C252303           917         C252303           918         C252303           920         C252303           921         C252303           922         C252303           923         C252303           924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           929         C252303           931         C252303           932         C252303           933         C252303           934         C252303           935         C252303           936 <td>303003500080 303003500080 303003510000 303003510020 303003510020 303003510020 303003510020 303003510020</td> <td>WPMPS WPMPS WPMOE WPMOE WPMOE WPMOE</td> <td>Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑</td> <td>Benefits</td> <td></td> <td>2,291 7,799</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	303003500080 303003500080 303003510000 303003510020 303003510020 303003510020 303003510020 303003510020	WPMPS WPMPS WPMOE WPMOE WPMOE WPMOE	Delta Dental Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits		2,291 7,799	-					-	-	-	-	-
906         G252303           907            908         G252303           909         G252303           910         G252303           911         G252303           912         G252303           913         G252303           914         G252303           915         G252303           916         G252303           917         G252303           918         G252303           917         G252303           918         G252303           920         G252303           921         G252303           922         G252303           923         G252303           924         G252303           927         G252303           928         G252303           929         G252303           931         G252303           932         G252303           933         G252303           934         G252303           935         G252303           943         G252303           943         G252303           944         G252303           945	303003500080 303003510000 303003510020 303003510020 303003510020 303003510020 303003510020	WPMPS WPMOE WPMOE WPMOE WPMOE	Workers Comp Idmty-P Total Personnel Services Operating Expenses Office Equip⋑	Benefits Benefits		7,799			-	-		-	-		-	-
907           908         G252303           909         G252303           910         G252303           911         G252303           912         G252303           913         G252303           914         G252303           915         G252303           916         G252303           917         G252303           920         G252303           921         G252303           922         G252303           923         G252303           924         G252303           925         G252303           926         G252303           927         G252303           928         G252303           929         G252303           930         G252303           931         G252303           933         G252303           934         G252303           935         G252303           936         G252303           937         G252303           938         G252303           939         G252303           941         G252303           942         G252303	303003510000 303003510020 303003510020 303003510020 303003510020 303003510020 303003510020	WPMOE WPMOE WPMOE WPMOE	Total Personnel Services Operating Expenses Office Equip⋑	Benefits			-		-	-		-	-	-	-	-
908         6252303           909         6252303           910         6252303           911         6252303           912         6252303           913         6252303           914         6252303           915         6252303           916         6252303           917         6252303           920         6252303           921         6252303           922         6252303           923         6252303           924         6252303           925         6252303           926         6252303           927         6252303           928         6252303           929         6252303           930         6252303           931         6252303           932         6252303           933         6252303           934         6252303           935         6252303           936         6252303           937         6252303           938         6252303           940         6252303           941         6252303           942	303003510020 303003510020 303003510020 303003510020 303003510000 303003510000	WPMOE WPMOE WPMOE	Operating Expenses Office Equip⋑			-	-		-	-		-	-	-	-	-
009         (252303)           910         (252303)           911         (252303)           912         (252303)           913         (252303)           914         (252303)           915         (252303)           916         (252303)           917         (252303)           918         (252303)           917         (252303)           918         (252303)           920         (252303)           921         (252303)           922         (252303)           923         (252303)           924         (252303)           925         (252303)           926         (252303)           927         (252303)           928         (252303)           929         (252303)           930         (252303)           931         (252303)           932         (252303)           933         (252303)           934         (252303)           934         (252303)           943         (252303)           944         (252303)           945         (252303) <td>303003510020 303003510020 303003510020 303003510020 303003510000 303003510000</td> <td>WPMOE WPMOE WPMOE</td> <td>Office Equip⋑</td> <td></td> <td>\$</td> <td>2,579,813 \$</td> <td>2,448,131</td> <td>\$</td> <td>310,913 \$</td> <td>2,759,044</td> <td>\$ 2,841,81</td> <td>5 \$ 2,9</td> <td>27,069 \$</td> <td>3,014,881 \$</td> <td>3,105,328 \$</td> <td>3,198,488</td>	303003510020 303003510020 303003510020 303003510020 303003510000 303003510000	WPMOE WPMOE WPMOE	Office Equip⋑		\$	2,579,813 \$	2,448,131	\$	310,913 \$	2,759,044	\$ 2,841,81	5 \$ 2,9	27,069 \$	3,014,881 \$	3,105,328 \$	3,198,488
909         c252303           910         c252303           911         c252303           912         c252303           913         c252303           914         c252303           915         c252303           916         c252303           917         c252303           918         c252303           917         c252303           918         c252303           920         c252303           921         c252303           922         c252303           923         c252303           924         c252303           925         c252303           926         c252303           927         c252303           928         c252303           929         c252303           930         c252303           931         c252303           932         c252303           933         c252303           934         c252303           935         c252303           941         c252303           942         c252303           943         c252303           944	303003510020 303003510020 303003510020 303003510020 303003510000 303003510000	WPMOE WPMOE WPMOE														
910         (225230)           911         (225230)           912         (225230)           913         (22530)           914         (225230)           915         (22530)           916         (25230)           917         (25230)           918         (25230)           919         (25230)           919         (25230)           920         (25230)           921         (25230)           922         (25230)           923         (25230)           924         (25230)           925         (25230)           926         (25230)           927         (25230)           928         (25230)           929         (25230)           920         (25230)           931         (25230)           933         (25230)           934         (25230)           935         (25230)           936         (25230)           937         (25230)           938         (25230)           939         (25230)           941         (25230)           942<	303003510020 303003510020 303003510020 303003510020 303003510000 303003510020	WPMOE WPMOE		Inflation Inflation	\$	- \$ 2,296	9,204	\$	- \$	9,204	\$ - 9,41	s	- \$ 9,614	- \$ 9,806	- \$ 10,022	10,242
911         C252303           912         C252303           913         C252303           914         C252303           915         C252303           916         C252303           917         C252303           918         C252303           917         C252303           918         C252303           920         C252303           921         C252303           922         C252303           923         C252303           924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           929         C252303           928         C252303           929         C252303           930         C252303           931         C252303           932         C252303           933         C252303           934         C252303           935         C252303           941         C252303           942         C252303           943         C252303           924	303003510020 303003510020 303003510000 303003510020	WPMOE	Office Supplies Computer Equipment	Inflation		2,290	3,500		-	9,204 3,500	3,58		3,656	3,729	3,811	3.895
912         C252303           913         C252303           914         C252303           915         C252303           916         C252303           917         C252303           918         C252303           920         C252303           921         C252303           922         C252303           923         C252303           924         C252303           925         C252303           924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           930         C252303           931         C252303           933         C252303           934         C252303           935         C252303           936         C252303           937         C252303           938         C252303           9341         C252303           942         C252303           943         C252303           944         C252303           945         C252303           950 <td>303003510020 303003510000 303003510020</td> <td></td> <td>Computer Acces&amp;Supl</td> <td>Inflation</td> <td></td> <td></td> <td>5,500</td> <td></td> <td></td> <td>5,500</td> <td>5,50</td> <td>-</td> <td>5,050</td> <td>5,125</td> <td>5,011</td> <td>5,675</td>	303003510020 303003510000 303003510020		Computer Acces&Supl	Inflation			5,500			5,500	5,50	-	5,050	5,125	5,011	5,675
913         C252303           914         C252303           915         C252303           916         C252303           917         C252303           918         C252303           919         C252303           920         C252303           921         C252303           922         C252303           923         C252303           924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           929         C252303           920         C252303           921         C252303           922         C252303           923         C252303           924         C252303           925         C252303           936         C252303           937         C252303           938         C252303           939         C252303           941         C252303           942         C252303           943         C252303           944         C252303           950	303003510000 303003510020	WPMOE	IT Replacement Parts	Inflation		-				-		-		-	-	-
915         C232303           916         C225203           917         C252303           918         C252303           918         C252303           919         C252303           919         C252303           920         C252303           921         C252303           922         C252303           923         C252303           924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           930         C252303           931         C252303           932         C252303           933         C252303           934         C252303           935         C252303           936         C252303           937         C252303           938         C252303           939         C252303           941         C252303           942         C252303           943         C252303           944         C252303           945         C252303           950		WPMOE	Printing Access & Suppl	Inflation	s	- \$	-	s	- 5	-	s -	s	- S	- S	- S	-
916         C252303           917         C252303           918         C252303           920         C252303           921         C252303           922         C252303           923         C252303           924         C252303           924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           929         C252303           930         C252303           931         C252303           932         C252303           933         C252303           934         C252303           935         C252303           936         C252303           937         C252303           938         C252303           939         C252303           941         C252303           942         C252303           943         C252303           944         C252303           950         C252303           951         C252303           952         C252303           954	a	WPMOE	Postage	Inflation		2,900	2,300		-	2,300	2,35	3	2,402	2,450	2,504	2,559
917         C252303           918         C252303           920         C252303           921         C252303           922         C252303           923         C252303           924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           929         C252303           929         C252303           920         C252303           930         C252303           931         C252303           932         C252303           933         C252303           933         C252303           934         C252303           935         C252303           936         C252303           937         C252303           938         C252303           940         C252303           941         C252303           942         C252303           950         C252303           951         C252303           952         C252303           953         C252303           954	303003510020	WPMOE	Electrical Supples	Repair		34	-		-	-		-	-	-	-	-
118         Ca32303           919         C325203           921         C325203           922         C325203           922         C325203           922         C325203           922         C325203           922         C325303           924         C325303           925         C325303           926         C325303           927         C325303           930         C325303           931         C325303           933         C325303           934         C325303           935         C325303           936         C325303           937         C325303           937         C325303           937         C325303           937         C325303           937         C325303           938         C325303           941         C325303           942         C325303           943         C325303           950         C325303           951         C325303           952         C325303           953         C325303           954	303003510020	WPMOE	Bldg Maint & Repair	Repair		-	-		-	-		-	-	-	-	-
919         (2253)           920         (2252)           921         (2252)           922         (2252)           923         (2252)           924         (2253)           925         (2253)           926         (2253)           927         (2253)           928         (2253)           929         (2253)           929         (2253)           930         (2252)           931         (2253)           932         (2253)           933         (2253)           934         (2253)           934         (2253)           936         (2253)           937         (2253)           938         (2253)           939         (2253)           940         (2253)           941         (2253)           942         (2253)           943         (2253)           944         (2253)           950         (2253)           951         (2253)           952         (2253)           953         (2253)           954         (2253) </td <td>303003510020</td> <td>WPMOE</td> <td>Educational Supplies</td> <td>Chemicals</td> <td></td> <td>5,099</td> <td>29,124</td> <td></td> <td>-</td> <td>29,124</td> <td>30,28</td> <td>9</td> <td>31,501</td> <td>32,761</td> <td>34,071</td> <td>35,434</td>	303003510020	WPMOE	Educational Supplies	Chemicals		5,099	29,124		-	29,124	30,28	9	31,501	32,761	34,071	35,434
920         C252303           921         C252303           922         C252303           924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           929         C252303           929         C252303           930         C252303           931         C252303           932         C252303           933         C252303           934         C252303           935         C252303           936         C252303           937         C252303           938         C252303           937         C252303           938         C252303           939         C252303           936         C252303           941         C252303           942         C252303           943         C252303           944         C252303           950         C252303           951         C252303           952         C252303           953         C252303           954	303003510020	WPMOE	Chemicals	Chemicals		-	-		-	-		-		-		-
921         G252303           922         G252303           924         G252303           925         G252303           926         G252303           927         G252303           928         G252303           929         G252303           929         G252303           930         G252303           931         G252303           933         G252303           934         G252303           935         G252303           936         G252303           937         G252303           938         G252303           939         G252303           9340         G252303           941         G252303           942         G252303           943         G252303           944         G252303           945         G252303           956         G252303           957         G252303           951         G252303           952         G252303           951         G252303           952         G252303           951         G252303           952 <td>303003510000</td> <td>WPMOE</td> <td>Tools County</td> <td>Repair</td> <td>\$</td> <td>- \$</td> <td>-</td> <td>s</td> <td>- \$</td> <td>-</td> <td>s -</td> <td>\$</td> <td>- \$</td> <td>- \$</td> <td>- \$</td> <td>-</td>	303003510000	WPMOE	Tools County	Repair	\$	- \$	-	s	- \$	-	s -	\$	- \$	- \$	- \$	-
922         (22530)           923         (225230)           924         (22530)           925         (22530)           926         (22530)           927         (22530)           926         (22530)           927         (22530)           928         (22530)           929         (22530)           930         (22530)           931         (22530)           932         (22530)           933         (22530)           934         (22530)           935         (22530)           936         (22530)           937         (22530)           938         (22530)           937         (22530)           938         (22530)           939         (22530)           941         (22530)           943         (22530)           944         (22530)           945         (22530)           950         (22530)           951         (22530)           952         (22530)           953         (22530)           954         (22530)           955 <td>303003510020</td> <td>WPMOE</td> <td>Water Treat Eqp⋑</td> <td>Inflation</td> <td></td> <td>83</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	303003510020	WPMOE	Water Treat Eqp⋑	Inflation		83	-		-	-		-	-	-	-	-
923         (225203)           924         (235203)           925         (252303)           926         (252303)           927         (252303)           928         (252303)           929         (252303)           929         (252303)           930         (252303)           931         (252303)           933         (252303)           934         (252303)           935         (252303)           936         (252303)           937         (252303)           938         (252303)           9394         (252303)           940         (252303)           941         (252303)           942         (252303)           943         (252303)           944         (252303)           945         (252303)           950         (252303)           951         (252303)           952         (252303)           953         (252303)           954         (252303)           955         (252303)           956         (252303)           957         (252303) <td>303003510020</td> <td>WPMOE</td> <td>Hshl Aplnc/Supl/Repl</td> <td>Inflation</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	303003510020	WPMOE	Hshl Aplnc/Supl/Repl	Inflation		-	-		-	-		-	-	-	-	-
924         C252303           925         C252303           926         C252303           927         C252303           928         C252303           929         C252303           930         C252303           931         C252303           932         C252303           933         C252303           934         C252303           937         C252303           938         C252303           937         C252303           938         C252303           939         C252303           939         C252303           939         C252303           940         C252303           941         C252303           942         C252303           943         C252303           944         C252303           945         C252303           946         C252303           950         C252303           951         C252303           952         C252303           954         C252303           955         C252303           956         C252303           957	303003510020	WPMOE	Med&Lab Eqp and Supl	Inflation		11,991	-		-	-		-	-	-	-	-
925         G252303           926         G252303           927         G252303           928         G252303           929         G252303           930         G252303           931         G252303           933         G252303           934         G252303           935         G252303           936         G252303           937         G252303           938         G252303           939         G252303           941         G252303           942         G252303           943         G252303           944         G252303           944         G252303           945         G252303           946         G252303           950         G252303           950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           958         G252303           957 <td>303003510020</td> <td>WPMOE</td> <td>Park/Rctn Area Equip</td> <td>Inflation</td> <td></td> <td>756</td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>100 755</td> <td>102.072</td>	303003510020	WPMOE	Park/Rctn Area Equip	Inflation		756	-		-			-	-	-	100 755	102.072
926         (22523)           927         (22523)           928         (22523)           929         (22523)           920         (22523)           930         (22523)           931         (22523)           932         (22523)           933         (22523)           934         (22523)           934         (2252)           937         (2252)           938         (2252)           939         (2252)           939         (2523)           939         (2523)           940         (2252)           941         (2252)           943         (2252)           944         (2523)           945         (2252)           946         (2523)           947         (2523)           950         (2523)           951         (2523)           952         (2523)           954         (2523)           955         (2523)           956         (2523)           957         (2523)           958         (2523)           959         (2523) </td <td>303003510020</td> <td>WPMOE WPMOE</td> <td>Lab Equip and Supl</td> <td>Inflation</td> <td></td> <td>293,522</td> <td>92,537</td> <td></td> <td></td> <td>92,537 16,476</td> <td>94,66 \$ 16.8</td> <td></td> <td>96,653 17,209 \$</td> <td>98,586 17,553 \$</td> <td>100,755 17,939 \$</td> <td>102,972 18,334</td>	303003510020	WPMOE WPMOE	Lab Equip and Supl	Inflation		293,522	92,537			92,537 16,476	94,66 \$ 16.8		96,653 17,209 \$	98,586 17,553 \$	100,755 17,939 \$	102,972 18,334
927         (223230)           928         (252303)           929         (252303)           931         (252303)           932         (252303)           933         (252303)           934         (252303)           933         (252303)           934         (252303)           935         (252303)           936         (252303)           937         (252303)           938         (252303)           939         (252303)           940         (252303)           941         (252303)           942         (252303)           943         (252303)           944         (252303)           944         (252303)           945         (252303)           946         (252303)           950         (252303)           951         (252303)           952         (252303)           953         (252303)           954         (252303)           955         (252303)           956         (252303)           957         (252303)           958         (252303) <td></td> <td></td> <td>Other Operating Sup</td> <td>Inflation</td> <td>s</td> <td>75 \$</td> <td></td> <td>s</td> <td>- \$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			Other Operating Sup	Inflation	s	75 \$		s	- \$							
928         (225203)           929         (225203)           931         (225203)           932         (225203)           933         (252303)           934         (225203)           935         (252303)           936         (252303)           937         (252303)           938         (252303)           939         (252303)           939         (252303)           940         (252303)           941         (252303)           942         (252303)           943         (252303)           944         (252303)           945         (252303)           946         (252303)           947         (252303)           948         (252303)           950         (252303)           951         (252303)           952         (252303)           953         (252303)           954         (252303)           955         (252303)           956         (252303)           957         (252303)           956         (252303)           957         (252303) <td></td> <td>WPMOE</td> <td>Uniform/Wear Appare</td> <td>Inf/Emp</td> <td></td> <td>28,767</td> <td>54,961</td> <td></td> <td>-</td> <td>54,961</td> <td>56,22</td> <td>5</td> <td>57,406</td> <td>58,554</td> <td>59,842</td> <td>61,159</td>		WPMOE	Uniform/Wear Appare	Inf/Emp		28,767	54,961		-	54,961	56,22	5	57,406	58,554	59,842	61,159
929         (225203)           930         (252303)           931         (252303)           932         (252303)           933         (252303)           934         (252303)           935         (252303)           936         (252303)           937         (252303)           938         (252303)           937         (252303)           939         (252303)           940         (252303)           941         (252303)           942         (252303)           943         (252303)           944         (252303)           945         (252303)           946         (252303)           947         (252303)           950         (252303)           951         (252303)           952         (252303)           953         (252303)           954         (252303)           955         (252303)           956         (252303)           956         (252303)           957         (252303)           958         (252303)           957         (252303) <td></td> <td>WPMOE</td> <td>Mis Pub Safe Eqp⋑</td> <td>Inflation</td> <td></td> <td>2,496</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>		WPMOE	Mis Pub Safe Eqp⋑	Inflation		2,496	-		-	-		-	-	-	-	-
930         (225230)           931         (225230)           932         (225230)           933         (225230)           934         (225230)           935         (225230)           936         (225230)           937         (225230)           936         (225230)           937         (225230)           938         (225230)           940         (225230)           941         (225230)           942         (225230)           943         (225230)           944         (225230)           945         (225230)           946         (225230)           947         (225230)           948         (225230)           950         (225230)           951         (225230)           952         (225230)           953         (225230)           954         (225230)           955         (22520)           956         (22520)           957         (22520)           956         (22520)           957         (22520)           956         (22520)		WPMOE WPMOE	Ofc Eqp Maint&Repai	Repair		7.165	205.016		-	205.016	201.0/	-	-	-	-	-
331         (225230)           932         (252230)           933         (225230)           934         (225230)           935         (225230)           936         (225230)           937         (225230)           938         (225230)           937         (225230)           938         (225230)           939         (225230)           940         (225230)           941         (225230)           942         (225230)           943         (225230)           944         (225230)           945         (225230)           946         (225230)           947         (225230)           948         (225230)           950         (225230)           951         (225230)           952         (225230)           953         (22520)           954         (22520)           955         (22520)           956         (22520)           957         (22520)           956         (22520)           957         (22520)           957         (22520) <t< td=""><td></td><td>WPMOE</td><td>Bldg Maint&amp;Rep Svcs</td><td>Inflation</td><td>s</td><td></td><td>295,016</td><td>s</td><td>-</td><td>295,016</td><td>301,80</td><td>s 1</td><td>08,139</td><td>314,302 - \$</td><td>321,217</td><td>328,283</td></t<>		WPMOE	Bldg Maint&Rep Svcs	Inflation	s		295,016	s	-	295,016	301,80	s 1	08,139	314,302 - \$	321,217	328,283
932         (225203)           933         (2252303)           934         (2252303)           935         (2252303)           936         (2252303)           937         (2252303)           938         (2252303)           939         (2252303)           940         (2252303)           941         (2252303)           942         (2252303)           944         (2252303)           944         (2252303)           945         (2252303)           946         (2252303)           947         (2252303)           948         (2252303)           950         (2252303)           951         (2252303)           952         (2252303)           953         (2252303)           954         (2252303)           955         (2252303)           956         (2252303)           957         (2252303)           957         (2252303)           957         (2252303)           957         (2252303)           958         (2252303)           959         (2252303)           958		WPMOE	Custodial Services Plumbing M&R	Repair	\$	13,948 \$		\$	- \$	-	s - s -	s	- >	- 5	- 5	-
933         (2252303)           934         (2252303)           935         (252303)           936         (252303)           937         (252303)           938         (252303)           939         (252303)           939         (252303)           940         (252303)           941         (252303)           943         (252303)           944         (252303)           945         (252303)           946         (252303)           947         (252303)           948         (252303)           950         (252303)           951         (252303)           952         (252303)           953         (252303)           954         (252303)           955         (252303)           954         (252303)           954         (252303)           956         (252303)           957         (252303)           958         (252303)           957         (252303)           958         (252303)           959         (252303)           958         (252303) </td <td></td> <td>WPMOE</td> <td>Automotive Equip/M&amp;R</td> <td>Repair Repair</td> <td>3</td> <td>- 3</td> <td>-</td> <td>3</td> <td>- 3</td> <td>-</td> <td>5 -</td> <td>3</td> <td>- 3</td> <td>- 3</td> <td>- 3</td> <td>-</td>		WPMOE	Automotive Equip/M&R	Repair Repair	3	- 3	-	3	- 3	-	5 -	3	- 3	- 3	- 3	-
934         C252200           935         C252303           936         C252303           937         C252303           938         C252303           939         C252303           939         C252303           939         C252303           940         C252303           941         C252303           942         C252303           944         C252303           945         C252303           946         C252303           947         C252303           948         C252303           950         C252303           951         C252303           952         C252303           953         C252303           954         C252303           955         C252303           956         C252303           957         C252303           956         C252303           957         C252303           958         C252303           957         C252303           958         C252303           959         C252303	303003510020	WPMOE	Scienti/Tech Eqn M&	Repair		25,278	6.516		-	6.516	6.73	-	7.047	7.329	7.622	7.927
935         G252303           936         G252303           937         G252303           938         G252303           939         G252303           940         G252303           941         G252303           942         G252303           943         G252303           944         G252303           945         G252303           946         G252303           947         G252303           948         G252303           950         G252303           951         G252303           952         G252303           954         G252303           955         G252303           954         G252303           955         G252303           956         G252303           957         G252303           956         G252303           957         G252303           957         G252303           957         G252303           958         G252303           959         G252303           958         G252303	303003510020	WPMOE	Other Maint & Repai	Repair		23,278	3,000		-	3,000	3,12		3,245	3,375	3,510	3,650
936         (225230)           937         (25230)           938         (25230)           939         (25230)           940         (25230)           941         (25230)           942         (25230)           943         (25230)           944         (25230)           944         (25230)           944         (25230)           944         (25230)           946         (25230)           947         (25230)           948         (25230)           950         (25230)           951         (25230)           952         (25230)           953         (25230)           954         (25230)           955         (25230)           956         (25230)           957         (25230)           956         (25230)           957         (25230)           958         (25230)           959         (25230)           958         (25230)           959         (25230)		WPMOE	Software Maint&Supp	Inflation		-	5,000		-	5,000	5,12	-	5,245	5,575	5,510	5,050
937         (22523)           938         (2252)           939         (2252)           940         (2252)           941         (2523)           942         (2253)           943         (2253)           944         (2523)           944         (2523)           944         (2523)           945         (2523)           946         (2523)           947         (2523)           948         (2523)           950         (2523)           951         (2523)           952         (2523)           953         (2523)           954         (2523)           955         (2523)           956         (2523)           957         (2523)           958         (2523)           959         (2523)           958         (2523)           959         (2523)	303003510020	WPMOE	Employment Services	Inflation	s	53,093 \$	36,907	s	- 5	36,907	\$ 37,75	5 \$	38,548 \$	39,319 \$	40,184 \$	41,068
938         (2252303)           939         (2252303)           9410         (2252303)           9421         (2252303)           9432         (2252303)           9443         (2252303)           9444         (2252303)           9445         (2252303)           9446         (2252303)           9447         (2252303)           9446         (2252303)           947         (2252303)           948         (2252303)           950         (2252303)           951         (2252303)           952         (2252303)           953         (2252303)           954         (2252303)           955         (2252303)           956         (2252303)           957         (2252303)           958         (2252303)           958         (2252303)           958         (2252303)           959         (2252303)           958         (2252303)           959         (2252303)	303003510000	WPMOE	Edu/Training Servic	Inflation	ŝ	35,500 \$		š	- 5	50,507	s -	s	- \$	- \$	- \$	
939         G252303           940         G252303           941         G252303           942         G252303           943         G252303           944         G252303           944         G252303           945         G252303           946         G252303           947         G252303           948         G252303           950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           956         G252303           957         G252303           958         G252303           958         G252303           958         G252303	303003510020	WPMOE	Computer Services	Inflation	*	-	5,300	-		-	-	-				
940         G252303           941         G252303           942         G252303           943         G252303           944         G252303           945         G252303           946         G252303           947         G252303           948         G252303           949         G252303           950         G252303           951         G252303           954         G252303           955         G252303           956         G252303           957         G252303           958         G252303           957         G252303           958         G252303           957         G252303           958         G252303           957         G252303           958         G252303           958         G252303	303003510020	WPMOE	Print/Typeset Servce	Inflation		-	-		-			-		-	-	-
942         G252303           943         G252303           944         G252303           945         G252303           946         G252303           947         G252303           948         G252303           947         G252303           948         G252303           950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           956         G252303           957         G252303           956         G252303           957         G252303           958         G252303           957         G252303           958         G252303	303003510020	WPMOE	Other Pro Cntrct Sy	Inflation		121,968	264,642		-	264,642	270,72	8 2	76,414	281,942	288,145	294,484
943         (2252303)           944         (2252303)           945         (2252303)           946         (2252303)           947         (2252303)           948         (2252303)           949         (2252303)           950         (2252303)           951         (2252303)           952         (2252303)           953         (2252303)           954         (2252303)           955         (2252303)           956         (2252303)           957         (2252303)           958         (2252303)           958         (2252303)           958         (2252303)           958         (2252303)           958         (2252303)           959         (2252303)	303003510020	WPMOE	Health Related Srvs	Inflation		115	-		-			-	-	-	-	-
943         (2252303)           944         (2252303)           945         (2252303)           946         (2252303)           947         (2252303)           948         (2252303)           949         (2252303)           950         (2252303)           951         (2252303)           952         (2252303)           953         (2252303)           954         (2252303)           955         (2252303)           956         (2252303)           957         (2252303)           958         (2252303)           958         (2252303)           958         (2252303)           958         (2252303)           958         (2252303)           959         (2252303)	303003510020	WPMOE	Comm & Media Servic	Inflation		-	14,500		-	14,500	14,83	4	15,145	15,448	15,788	16,135
945         G252303           946         G252303           947         G252303           948         G252303           949         G252303           950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           956         G252303           957         G252303           958         G252303           958         G252303           958         G252303           957         G252303	303003510000	WPMOE	Safety&Emergency Svc	Inflation	\$	- \$		\$	- \$	-	S -	\$	- \$	- S	- \$	-
946         G252303           947         G252303           947         G252303           948         G252303           950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           958         G252303           958         G252303           958         G252303           958         G252303	303003510020	WPMOE	Special Events	Inflation		1,061	-		-			-	-	-	-	
947         G25203           948         G252303           949         G252303           950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           958         G252303           957         G252303           958         G252303           959         G252303	303003510020	WPMOE	Licensing Fees	Inflation		-	530		-	530	54	-2	554	565	577	590
948         G252303           949         G252303           950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           956         G252303           957         G252303           958         G252303           959         G252303	303003510020	WPMOE	Meals	Inflation		-	-		-	-		-	-		-	-
949         G252303           950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           958         G252303           958         G252303           959         G252303	303003510020	WPMOE	Misc Services	Inflation		30,346	22,837		-	22,837	23,36		23,853	24,330	24,865	25,412
950         G252303           951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           956         G252303           957         G252303           958         G252303           958         G252303           959         G252303	303003510000	WPMOE	Local County Travel	Inflation	\$	1,240 \$		\$	- \$		\$ -	\$	- \$	- \$	- \$	-
951         G252303           952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           958         G252303           958         G252303           959         G252303	303003510020	WPMOE	Miscellaneous Travel	Inflation		3,797	3,504		-	3,504	3,58		3,660	3,733	3,815	3,899
952         G252303           953         G252303           954         G252303           955         G252303           956         G252303           957         G252303           958         G252303           959         G252303           959         G252303	303003510020	WPMOE	Certification	Inflation		-	12,000		-	12,000	12,27		12,534	12,784	13,066	13,353
953         G252203           954         G252303           955         G252303           956         G252303           957         G252303           957         G252303           958         G252303           959         G252303	303003510020	WPMOE	Mgmt/Prof Training	Inflation		1,685	66,573		-	66,573	68,10		69,534	70,925	72,485	74,080
954 G252303 955 G252303 956 G252303 957 G252303 958 G252303 958 G252303 959 G252303	303003510020	WPMOE	Technical Train Cnt	Inflation			29,355			29,355	30,03		30,661	31,274	31,962	32,665
955         G252303           956         G252303           957         G252303           958         G252303           959         G252303	303003510000	WPMOE	Cash Awards	Inflation	8	- \$	-	\$	- \$	-	\$ -	\$	- \$	- \$	- \$	-
956         G252303           957         G252303           958         G252303           959         G252303	303003510020	WPMOE	Departmental Awards	Inflation		-	-		-	-		-			-	-
957 G252303 958 G252303 959 G252303	303003510020	WPMOE WPMOE	Microfilm Services	Inflation Inflation		-	7,500		-	7,500	7,67	2	7,834	7,990	8,166	8,346
958 G252303 959 G252303	303003510020	WPMOE	Phototypesetting Sorrigon Other Agamay	Inflation		-	-		-	-		-	-	-	-	-
959 G252303	303003510020 303003510020	WPMOE	Services-Other Agency Mileage Allow Auto	Inflation		-	-		-	-		-	-	-	-	-
	303003510020	WPMOE	Mileage Allow Auto Printing and Binding	Infiation Inf/Emp		5,269	-		-	-		-	-	-	-	-
960 G252303	303003510020	WPMOE	Printing and Binding Prof Memberships	Inf/Emp		5,269	2,800		-	2.800	2,86	-	2.925	2,983	3,049	3.116
	.505005510020	WPMOE	Credit Card Expense	Inflation		1,525	2,800		-	2,800	2,80	-	2,723	2,703	5,047	5,110
	303003510020	WPMOE	Rec Activities	Inflation		- 4	-			-						-
	303003510020	WPMOE	Refuse Disposal Expense	Inflation		1,364	3,000			3,000	3,06	9	3,133	3,196	3,266	3,338
	303003510020	WPMOE	Other Operating Exp	Inflation		861	11.471			11.471	11,73		11.981	12.221	12,490	12,765
965	303003510020 303003510020		Total Operating Expenses		s	652,388 \$		s	- 5				33,646 \$	1,055,155 \$	1,079,151 \$	1,103,706
	303003510020		Recovered Costs		-					,	,,.	,.	, <del>.</del>			,,
966 G252303	303003510020 303003510020			Labor	s	(33,050) \$	(45,010)	s	- 5	(45,010)	\$ (46,36		47,751) \$	(49,184) \$	(50,659) \$	(52,179)
	303003510020 303003510020 303003510020	WPMDC			3				- 3	(45,010)	÷ (40,50		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(77,104) 3	,	(32,179)
967 G252303	303003510020 303003510020 303003510020 303003510020	WPMRC	WPFO-Labor Charges			-	-		-	-		-	-	-	-	-
968	303003510020 303003510020 303003510020	WPMRC WPMRC	WPFO-Labor Charges Reimb-CptlFringe Be	Benefits				s	- \$	(45,010)	\$ (46,36	0)\$ (	47,751) \$	(49,184) \$	(50,659) \$	(52,179)
	303003510020 303003510020 303003510020 303003510020			Benefits	\$	(33,050) \$	(45,010)	9								
	303003510020 303003510020 303003510020 303003510020	WPMRC	Reimb-CptlFringe Be Total Recovered Costs Capital Equipment [1]													
970 G252303	303003510020 303003510020 303003510020 303003500121 303003501520 303003566125	WPMRC	Reimb-CptlFringe Be Total Recovered Costs Capital Equipment [1] Equiptment Exp SC Onl	Bud Cap	\$ \$	(33,050) \$ 170,827 \$			(348,305) \$		s -	\$	- S	- S	- \$	-
971	303003510020 303003510020 303003510020 303003510020	WPMRC	Reimb-CptlFringe Be Total Recovered Costs Capital Equipment [1]						(348,305) \$	-	s -	\$ -	- \$	- \$	- \$	•
972	303003510020 303003510020 303003510020 303003500121 303003501520 303003566125	WPMRC	Reimb-CptlFringe Be Total Recovered Costs Capital Equipment [1] Equiptment Exp SC Onl Vehicle Expense	Bud Cap			348,305	\$	(348,305) \$	-	s - s		- \$ - - \$	- S - - S		
973	303003510020 303003510020 303003510020 303003500121 303003501520 303003566125	WPMRC	Reimb-CptlFringe Be Total Recovered Costs Capital Equipment [1] Equiptment Exp SC Onl	Bud Cap	\$	170,827 \$	348,305	s s	-	-		- \$	-	-	-	4,250,015

## Table 3 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis Projection of Operating Expenses

						-	offection of Ope	raun	Engenaci							
Line				Escalation		Actual	Adopted			Adjusted		Adjusted		jected Fiscal Year F		
No.	G/L Code		Description	Reference		2023	2024	1	Adjustments	2024		2025	2026	2027	2028	2029
			TBC - Treatment by Contract													
974	550000	WPMOE	Pmt-Alex Sanitation	Input	\$	11,827,697 \$	12,500,000	s	1,814,620 \$	14,314,620	\$	14,711,320 \$	15,110,966 \$	15,521,402 \$	15,942,948 \$	16,375,902
975	550010	WPMOE	Pmt-Arlington Sewag	Input		2,447,972	2,600,000		(65,570)	2,534,430		2,592,722	2,647,169	2,700,112	2,759,515	2,820,224
976	550030	WPMOE	Pmt-Falls Church Sw	Repair		171,177	438,000			438,000		455,520	473,741	492,690	512,398	532,894
977	550040	WPMOE	Pmt-Harbor View Swg	Inflation		572,484	16		-	16		16	17	17	17	18
978	550050	WPMOE	Pmt-Inter-Jurisdict	AgentFee		-	-		-	-		-	-	-	-	-
979	550060	WPMOE	Pmt-Loudoun Water	AgentFee		-	-		-	-		-	-	-	-	-
980	550100	WPMOE	Payments-DC Water	Input		18,012,612	15,500,073		2,287,080	17,787,153		18,595,001	19,437,585	20,316,401	21,233,007	22,189,027
981	550110	WPMOE	Pmt-UOSA Sewage	Input		14,783,192	14,800,008		607,975	15,407,983		15,762,367	16,093,377	16,415,244	16,776,379	17,145,460
982	550120	WPMOE	Pmt-Loudoun Water	AgentFee		42,707	68,693		-	68,693		70,563	72,343	74,094	76,037	78,031
983	550210	WPMOE	Pmt-PWSA	AgentFee		360,267	384,648		-	384,648		395,120	405,083	414,891	425,769	436,933
984			Total TBC - Treatment by Contract		\$	48,218,107 \$	46,291,439	\$	4,644,104 \$	50,935,543	\$	52,582,629 \$	54,240,280 \$	55,934,852 \$	57,726,070 \$	59,578,489
			Contracted Billing Services													
985	550020	WPMOE	FCWA	AgentFee	\$	6,875,289 \$	8,511,873	\$	(1,500,000) \$	7,011,873	\$	7,202,762 \$	7,384,395 \$	7,563,175 \$	7,761,483 \$	7,965,001
986			Total Contracted Billing Service		\$	6,875,289 \$	8,511,873	\$	(1,500,000) \$	7,011,873	\$	7,202,762 \$	7,384,395 \$	7,563,175 \$	7,761,483 \$	7,965,001
987			Total O&M Expenses & Capital Outlay		\$	123,111,480 \$	145,136,167	\$	(5,227,528) \$	140,193,393	s	142,695,172 \$	146,862,064 \$	151,112,176 \$	155,576,635 \$	160,175,531
988			Capital Outlay		\$	2,138,083 \$	13,242,784	\$	(13,242,784) \$	-	\$	- \$	- \$	- \$	- \$	-
989			Total O&M Expenses Net of Capital Out	tlav	s	120.973.397 \$	131.893.383	s	8,015,256 \$	140,193,393	s	142,695,172 \$	146.862.064 \$	151,112,176 \$	155,576,635 \$	160,175,531
990			Op. Exp. Adj.	,												
990			Additional Personnel							-		-	600,000	1,200,000	1,800,000	1,854,000
002				10.4	-	120.072.207	121 002 202		0.016.056	140 102 202		142 (05 172 6	147.462.064	102 212 126	100 000 000 0	1/2 020 521
992			Total Adj. O&M Expenses Net of Capita	ii Outiay	5	120,973,397 \$	131,893,383	5	8,015,256 \$	140,193,393	\$	142,695,172 \$	147,462,064 \$	152,312,176 \$	157,376,635 \$	162,029,531

Footnotes:

[1] WMP capitalizes budgeted equipment and capital outlays and therefore was reclassified to the forecasted Capital Improvement Program (reference Table 10).
 [2] Forecasted amounts are based on: i) appo Forecasted amounts are based on the apportionment of costs from budgetary estimates and forecasts provided by the respective Treatment by Contract (TBC) provider and based on discussions with WMP staff.

#### Table 4 Fairfax County, Virgini: Wastewater Revenue Sufficiency and Rate Analysi <u>Projection of Operating Expenses for Treatment By Contract (TBC</u>

								Proje	ected Fiscal Year Er	nding June 30			
Line No.	Description	Escalation Reference [1]		Proposed Budget	А	djustments		Adjusted 2024	2025	2026	2027	2028	2029
	AlexRenew - Alexandria Renew Enterprise												
	AlexRenew - O&M Costs Allocated to Fairfax Co.[2]												
1	Total Operating Expenses	O&M ARE	\$	33,023,593	\$	-	\$	33,023,593 \$	33,849,183 \$	34,695,412 \$	35,562,798 \$	36,451,868 \$	37,363,164
2	Less: AlexRenew Only Expense:	Input	-	(4,546,660)		-	_	(4,546,660)	(4,660,327)	(4,776,835)	(4,896,256)	(5,018,662)	(5,144,128)
3	Joint Operating Expenses		5	28,476,933	\$	-	\$	28,476,933 \$	29,188,856 \$	29,918,578 \$	30,666,542 \$	31,433,206 \$	32,219,036
4	Percentage Allocation to Fairfax Co			45.00%		0.00%		45.00%	45.12%	45.21%	45.31%	45.41%	45.50%
5	Operating Expenses Allocated to Fairfax Co		\$	12,814,620	\$	-	\$	12,814,620 \$	13,169,751 \$	13,527,518 \$	13,894,946 \$	14,272,319 \$	14,659,904
6	Less: Charges for Alexandria City Flow			-		-		-					-
7	Adjustments for Historical Budget to Actual Variance Operating Expenses Allocated to Fairfax Co FY Ad		S	12,814,620	\$	1,500,000	\$	1,500,000 14,314,620 \$	1,541,569 14,711,320 \$	1,583,447 15,110,966 \$	1,626,456 15,521,402 \$	1,670,629 15,942,948 \$	1,715,998 16,375,902
			-			-,,	~						
9	Gross Joint Assets	IR&R ARE	\$	772,711,685	\$	-	\$	772,711,685 \$	835,764,958 \$	877,553,006 \$	908,267,361 \$	940,056,719 \$	
10 11	Funding Percentage per Agreemen Fairfax Co. Share (60%) [3]			0.70% 3,245,389		0.00%		0.70% 3,245,389	0.70% 3,510,213	0.70% 3,685,723	0.70% 3,814,723	0.70% 3,948,238	0.70% 4,086,427
12	Adjustments					-			-	-	-	5,540,250	4,080,427
13	IR&R Expenditures Allocated to Fairfax County [3]		\$	3,245,389	\$	-	\$	3,245,389 \$	3,510,213 \$	3,685,723 \$	3,814,723 \$	3,948,238 \$	4,086,427
	Subtotal ARE - O&M Costs Allocated to Fairfax Co.						\$	17,567,678 \$	18,155,327 \$	18,752,811 \$	19,303,875 \$	19,857,807 \$	20,427,781
	Accruals/Fiscal Year End Adjustments [4]							-	-	-	-	-	-
	Total ARE - O&M Costs Allocated to Fairfax Co.						\$	17,567,678 \$	18,155,327 \$	18,752,811 \$	19,303,875 \$	19,857,807 \$	20,427,781
	Arlington County - WPCF												
	Arlington WPCP - O&M Costs Allocated to Fairfax Co.[5]												
14	Escalation Factor Arlington Total Operating Expenses	Composite	\$	25,980,662	\$	-	\$	25,980,662 \$	26,578,217 \$	27,136,360 \$	27,679,087 \$	28,288,027 \$	28,910,364
15	Annual Sewage Flow - Fairfax Co. to Arlingtor	Input		-		_		797,525	797,525	797,525	797,525	797,525	797,525
16	Annual Sewage Flow at Arlington (WPCP	Input		-		-		8,175,498	8,175,498	8,175,498	8,175,498	8,175,498	8,175,498
17	Allocation Factor (Line 15/Line 16)	-		9.8%		9.8%		9.8%	9.8%	9.8%	9.8%	9.8%	9.8%
18 19	Fairfax County Allocable O&M Payment Accruals/Fiscal Year End Adjustments [6]		\$	2,534,430	\$	-	\$	2,534,430 \$	2,592,722 \$	2,647,169 \$	2,700,112 \$	2,759,515 \$	2,820,224
20	Total Arlington WPCP - O&M Costs Allocated to Fairfax O	Co.[5]	\$	2,534,430	\$	-	\$	2,534,430 \$	2,592,722 \$	2,647,169 \$	2,700,112 \$	2,759,515 \$	2,820,224
	Blue Plains - DCWater												
	DCWater - O&M Costs Allocated to Fairfax Co.[7]												
21	Interceptors	Inflation	s	671,559	\$	_	\$	671,559 \$	700,436 \$	730,555 \$	761,969 \$	794,734 \$	828,908
22	Pumping Stations	Inflation		432,432		-	~	432,432	451,027	470,421	490,649	511,747	533,752
23	Screen Chambers	Inflation		115		-		115	120	125	130	136	142
24	Wastewater Treatment Plant	Inflation		11,340,505		-		11,340,505	11,828,147	12,336,757	12,867,238	13,420,529	13,997,612
25	D.C. Sludge Costs	DC Sludge		2,118,288		-		2,118,288	2,209,374	2,304,377	2,403,465	2,506,814	2,614,607
26	Indirect Costs	Inflation		2,888,431		-		2,888,431	3,012,634	3,142,177	3,277,291	3,418,215	3,565,198
27 28	Rental and User Fees WSSC Biosolids	Inflation Inflation		496,607 839,216		-		496,607 839,216	517,961 875,302	540,233 912,940	563,463 952,196	587,692 993,140	612,963 1,035,845
28	Excess Flow and Other Payments	Inflation				-				912,9 <del>4</del> 0	552,190		1,055,645
30	Additional Costs	Inflation		-		(1,000,000)		(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
31	Accruals/Fiscal Year End Adjustments [8]	Inflation		-		-				-	-	-	-
32	Total DCWater - O&M Costs Allocated to Fairfax Co.[7] Percentage Change		\$	18,787,153	\$	(1,000,000)	\$	17,787,153 \$	18,595,001 \$	19,437,585 \$	20,316,401 \$	21,233,007 \$	22,189,027
	Upper Occoquan Sewage Authority - UOSA												
	UOSA - O&M Costs Allocated to Fairfax Co.[9]												
33	UOSA Total Operating Expenses	Composite	\$	35,906,380	\$	1,077,191	\$	36,983,571 \$	37,834,193 \$	38,628,712 \$	39,401,286 \$	40,268,114 \$	41,154,013
34	Annual Sewage Flow - Fairfax Co. to UOSA (MG)	Input		-		-		4,458,901	4,458,901	4,458,901	4,458,901	4,458,901	4,458,901
35 36	Annual Sewage Flow at UOSA (MG) Allocation Factor	Input		- 36.3%		0.0%		12,270,000 36.3%	12,270,000 36.3%	12,270,000 36.3%	12,270,000 36.3%	12,270,000 36.3%	12,270,000 36.3%
37 38	Fairfax County Allocable O&M Payment Accruals/Fiscal Year End Adjustments [10]			13,048,328		391,450		13,439,778	13,748,893	14,037,620	14,318,372	14,633,376	14,955,311
	Reserve and Maintenance Fund Deposits	Composite	\$	4,809,192	\$	-	\$	4,809,192 \$	4,919,803 \$	5,023,119 \$	5,123,581 \$	5,236,300 \$	5,351,499
39													
39 40	Fairfax Co. Reserved Capac. from UOSA	Input		-				22.10	22.10	22.10	22.10	22.10	22.10
	Fairfax Co. Reserved Capac. from UOSA Total Capacity of UOSA WWTP Allocation Factor	Input Input		40.93%		40.93%		22.10 54.00 40.93%	22.10 54.00 40.93%	22.10 54.00 40.93%	22.10 54.00 40.93%	22.10 54.00 40.93%	22.10 54.00 40.93%

Footnotes on Page 2 of 2.

#### Table 4 Fairfax County, Virgini: Wastewater Revenue Sufficiency and Rate Analysi <u>Projection of Operating Expenses for Treatment By Contract (TBC</u>

			Projected Fiscal Year Ending June 30												
Line No.	Description	Escalation Reference [1]		Proposed Budget	Adjustments			Adjusted 2024		2025	2026	2027	2028	2029	
43 44	Fairfax County Allocable R&M Deposits Accruals/Fiscal Year End Adjustments [10]		\$	1,968,205	\$		\$	1,968,205	\$	2,013,474 \$	2,055,757 \$	2,096,872 \$	2,143,003 \$	2,190,149	
45	Total UOSA Allocated Cost		\$	15,016,533	\$	391,450	\$	15,407,983	\$	15,762,367 \$	16,093,377 \$	16,415,244 \$	16,776,379 \$	17,145,460	
	Loudoun County Sanitation Authority														
47 48 49	Fairfax Flow to BRWRF Total Wastewater Treated at BRWRF Fairfax Proportion			0.00%				0.00%						0.00%	
50	LCSA Total Operating Costs		\$	21,500,000			\$	21,500,000	\$	21,500,000 \$	21,500,000 \$	21,500,000 \$	21,500,000 \$	21,500,000	
51	Fairfax County Allocable O&M Payment							-		-	-	-	-		

Footnotes:

[1] Escalation reference apply to costs beginning with the Fiscal Year 2025 and beyond.

[2] Forecasted amounts are based on: i) apportionment of costs from budgetary estimates by AlexRenew; and ii) escalation of costs based on information provided by AlexRenew and discussions with WMP Staff.

[3] Projected IR&R contribution based on the master indenture of trust agreement that entitles AlexRenew to collect IR&R Funds not to exceed 0.70% of the prior year's gross utility plant in service multiplied by the Fairfax Allocation of such plant in service (currently at 60.0%).

[4] Adjustment made for Historical Fiscal Years to account for: i) true up of the operating costs performed by AlexRenew at the end of the Fiscal Year; and ii) adjustments to account for the difference in the Fiscal Year period between AlexRenew and Fairfax County.

[5] Forecasted amounts are based on: i) apportionment of costs from budgetary estimates by Arlington County; and ii) escalation of costs based on information provided by Arlington County and discussions with WMP Staff.

[6] Adjustment made for Historical Fiscal Years to account for: i) true up of the operating costs performed by Arlington County at the end of the Fiscal Year, if any.

[7] Forecasted amounts are based on apportionment of costs from budgetary estimates by DCWater; and ii) escalation of costs based on information provided by DCWater and discussions with WMP Staff.

[8] Adjustment made for Historical Fiscal Years to account for: i) true up of the operating costs performed by DCWater at the end of the Fiscal Year; and ii) adjustments to account for the difference in the Fiscal Year period between DCWater and Fairfax County.

[9] Forecasted amounts are based on: i) apportionment of costs from budgetary estimates by UOSA; and ii) escalation of costs based on information provided by UOSA and discussions with WMP Staff.

[10] Adjustment made for Historical Fiscal Years to account for: i) true up of the operating costs performed by UOSA at the end of the Fiscal Year; and ii) Interest earnings and additional charges/credits that occurred during the F

#### Historical and Projected Sales of Service (Bulk Sales) and Other Revenue

Line		Escalation		Actual [1]				Р	roje	ected Fiscal Ye	ar E	Ending June 30	),			
No.	Description	Factors		2023		2024		2025		2026		2027		2028		2029
1 2 3 4 5 6 7 8 9	Sales of Service (Bulk Sales) City of Fairfax [2] Town of Herndon [3] Arlington County [4] Fort Belvoir [5] City of Falls Church [6] Town of Vienna [7] FCWA [8] I-95 ERRF (Covanta) [9] LCSA [10]	Calculated Calculated Calculated Calculated Calculated Calculated Calculated Calculated Calculated	\$	2,071,199 1,461,205 715,272 2,142,140 712,905 640,413 182,930 383,563 268,183	\$	2,910,009 1,932,015 862,066 2,771,507 938,785 998,547 172,253 303,887 254,817	\$	2,970,768 2,012,773 898,192 2,886,167 955,338 1,037,522 179,561 316,779 260,678	\$	3,050,184 2,096,687 935,735 3,056,520 979,088 1,065,298 189,391 334,121 266,152	\$	3,131,176 2,183,891 974,754 3,236,701 1,002,649 1,093,564 200,559 353,823 271,475	\$	3,214,351 2,274,505 1,015,305 3,426,709 1,025,905 1,122,578 212,345 374,615 277,448	\$	3,299,274 2,368,664 1,057,447 3,629,822 1,049,696 1,152,204 224,902 396,769 283,551
10	Sales of Service (Bulk Revenue)	Calculated	\$	8,577,811	\$	11,143,886	\$	11.517.779	\$	11,973,177	S	12,448,591	\$	12,943,761	\$	13,462,329
11	Percentage Change			0,0 / / ,0 - 1	*	29.92%	*	3.36%	~	3.95%		3.97%	*	3.98%	-	4.01%
12 13 14 15 16 17 18	Other Revenues Miscellaneous Revenue Industrial Pretreatment Charges Engineering Fees Sale of Capital Equipment Sales of Salvage Subtotal Other Revenues Percentage Change	Constant Constant Constant Constant Constant	\$ \$	222,897 	\$ \$	675,000 - - 100,000 775,000 205.74%	\$ \$	675,000 - - 100,000 775,000 0.00%	\$ \$	675,000 - - 100,000 775,000 0.00%	\$		\$ \$		\$ \$	675,000 - - 100,000 775,000 0.00%
	Non-Recurring Revenues (to E&I Fund)															
19 20 21	Lateral Spur Fees [11] Connection Charges [11] Frontage Fees [11]	Connections Connections Constant	\$	559,175	\$	10,000 250,000		10,041 251,032		10,083 252,069		10,124 253,110		10,166 254,155 -		10,208 255,205
22	Subtotal Non-Recurring Revenues		\$	559,175	\$	260,000	\$	261,073	\$	262,152	\$		\$	264,321	\$	265,413
23 24 25	Percentage Change Capital Contributions [12] City of Fairfax Town of Herndon				\$	(53.50%) 8,950,075 1,806,290	\$	0.41% 11,115,394 2,748,484	\$	0.41% 8,728,624 2,840,710	\$	4,182,000	\$	0.41% 7,198,507 4,541,613	\$	4,027,361 3,808,645
26	Arlington County					1,083,774		1,649,090		1,704,426		2,509,200		2,724,968		2,285,187
27 28	City of Falls Church Town of Vienna					1,124,074 2,663,713		1,203,426 3,308,153		1,261,852 2,597,805		1,390,432 2,030,976		1,195,370 2,142,413		1,183,426 1,198,619
29	Total Capital Reimbursement from SoS				\$	15,627,926	\$	20,024,547	\$	17,133,416	\$	16,936,689	\$	17,802,871	\$	12,503,239

Footnotes:

Historical amounts obtained from information as provided by the County.
 Amounts calculated from: i) assumptions as contained on the respective agreement; ii) review of historical invoices as provided by the County; iii) other information as provided by the County.

2024	2025	2026	2027	2028	2029
\$10.405.4 <b>5</b> 0					****
					\$22,313,74
					12,864,38
					13,816,03
					28.2
					(1,469,82
\$41,078,961	\$42,101,617	\$43,403,120	\$44,736,756	\$46,112,693	\$47,524,33
933,086	933,086	933,086	933,086	933,086	933,08
14,423,178	14,479,909	14,538,873	14,597,983	14,657,604	14,717,4
6.47%	6.44%	6.42%	6.39%	6.37%	6.3
\$2 657 542	\$2 713 030	\$2 785 556	\$2 859 521	\$2 935 480	\$3,013,0
					286.2
					\$3,299,2
					\$3,277,2
\$2,910,009	\$2,970,768	\$3,050,184	\$3,131,176	\$3,214,351	\$3,299,2
6142 775 000	6177 217 000	6120 242 222	6100 070 222	6114 022 222	864 246 0
					\$64,246,0
0	Ŷ				
\$142,775,000	\$177,317,000	\$139,242,333	\$108,860,333	\$114,833,333	\$64,246,0
67	67	67	67	67	
4.2			4.2		
6.27%	6.27%	6.27%	6.27%	6.27%	6.2
\$8,950,075	\$11,115,394	\$8,728,624	\$6,824,081	\$7,198,507	\$4,027,3
0	0	0	0	0	
\$8,950,075	\$11,115,394	\$8,728,624	\$6,824,081	\$7,198,507	\$4,027,3
\$0	\$0	\$0	\$0	\$0	
0	0	0	0	0	
\$0	\$0	\$0	\$0	\$0	
0	0	0	0	0	
\$0	\$0	\$0	\$0	\$0	
\$17,787,153	\$18,595,001	\$19,437,585	\$20,316,401	\$21,233,007	\$22,189,0
1,078,064	1,078,064	1,078,064	1,078,064	1,078,064	1,078,0
9,925,226	9,959,694	9,994,318	10,029,065	10,063,967	10,099,0
10.86%	10.82%	10.79%	10.75%	10.71%	10.6
\$1,932,015	\$2,012,773	\$2,096,687	\$2,183,891	\$2,274,505	\$2,368,6
0	0	0	0	0	
\$1,932,015	\$2,012,773	\$2,096,687	\$2,183,891	\$2,274,505	\$2,368,6
\$18 445 000	\$28 401 000	\$20 254 000	\$43 214 000	\$46.920.000	\$39,356,0
\$18,005,000	320,401,000	\$29,554,000	\$45,214,000	\$40,930,000	\$39,336,0
3.00	3.00	3.00	3.00	3.00	3.
5.00	5.00	5.00	5.00	5.00	3
	$\begin{array}{c} 14,423,178\\ 6,47\%\\ 82,657,542\\ \underline{252,546}\\ 82,910,009\\ 0\\ \underline{52,910,009}\\ 0\\ \underline{5142,775,000}\\ 0\\ \underline{5142,775,000}\\ 67\\ \underline{4.2}\\ 6.27\%\\ \underline{58,950,075}\\ 0\\ \underline{58,950,075}\\ 0\\ \underline{58,950,075}\\ 0\\ \underline{50}\\ \underline{50}\\ 0\\ \underline{50}\\ 0\\ \underline{50}\\ 0\\ \underline{50}\\ 0\\ \underline{51,778,1153}\\ 1,078,064\\ \underline{9,925,226}\\ 10.86\%\\ \underline{51,932,015}\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$	$\begin{array}{c ccccc} \hline 2024 & 2025 \\ \hline \\ \hline 2024 & 2025 \\ \hline \\ \hline \\ $18,495,170 & $19,755,139 \\ 11,912,009 & 11,409,022 \\ 11,942,266 & 12,239,567 \\ 28,2% & 28,2\% \\ \hline \\ & 28,2\% & 28,2\% \\ \hline \\ & 28,2\% & 28,2\% \\ \hline \\ & 12,00,483 & (1,302,112) \\ \hline \\ & 541,078,961 & $542,101,617 \\ \hline \\ & 933,086 & 933,086 \\ 14,423,178 & 14,479,909 \\ \hline \\ & 6,47\% & 6,44\% \\ \hline \\ & 52,657,542 & $52,713,030 \\ \hline \\ & 252,466 & 257,738 \\ \hline \\ & 52,910,009 & $52,970,768 \\ \hline \\ & 0 & 0 \\ \hline \\ & 0 & 0 \\ \hline \\ & 52,910,009 & $52,970,768 \\ \hline \\ & 0 & 0 \\ \hline \\ & 52,910,009 & $52,970,768 \\ \hline \\ & 0 & 0 \\ \hline \\ & 5142,775,000 & $5177,317,000 \\ \hline \\ & 67 & 67 \\ \hline \\ & 4.2 & 4.2 \\ \hline \\ & 6.27\% & 6.27\% \\ \hline \\ & $5142,775,000 & $5177,317,000 \\ \hline \\ & 67 & 67 \\ \hline \\ & 4.2 & 4.2 \\ \hline \\ & 6.27\% & 6.27\% \\ \hline \\ & $5142,775,000 & $5177,317,000 \\ \hline \\ & $5142,775,000 & $5177,317,000 \\ \hline \\ & $67 & 67 \\ \hline \\ & 4.2 & 4.2 \\ \hline \\ & 6.27\% & 6.27\% \\ \hline \\ & $58,950,075 & $511,115,394 \\ \hline \\ & $50 & $50 \\ \hline \\ &$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Historical and Projected Sales of Service (Bulk Sales) and Other Revenue

	instorical and projected sales of service	e (Duik Sales) allu	Other Revenue				
	Total Capacity Reservation for County Allocation Percentage - Capital Costs	<u>31.00</u> 9.68%	31.00 9.68%	31.00 9.68%	31.00 9.68%	31.00 9.68%	31.00 9.68%
	CIP costs allocated to Herndon	\$1,806,290	\$2,748,484	\$2,840,710	\$4,182,000	\$4,541,613	\$3,808,645
	Adjustments Total Capital Reimbursement - Herndon	0 \$1,806,290	0 \$2,748,484	0 \$2,840,710	0 \$4,182,000	0 \$4,541,613	0 \$3,808,645
	Determination of Rate Adjusted Total Sales of Service Revenue - Herndon	\$1,932,015	\$2,012,773	\$2,096,687	\$2,183,891	\$2,274,505	\$2,368,664
	Total Capital Reimbursement - Herndon Total Payment due from Herndon	\$1,806,290 \$3,738,306	\$2,748,484 \$4,761,257	\$2,840,710 \$4,937,397	\$4,182,000 \$6,365,891	\$4,541,613 \$6,816,118	\$3,808,645 \$6,177,309
	Sewage Flows (000's gallons)	1,078,064	1,078,064	1,078,064	1,078,064	1,078,064	1,078,064
	Rate Charged Calculation of Balance (Informational)	\$3.47	\$4.42	\$4.58	\$5.90	\$6.32	\$5.73
	Eacland of Database (Informational) Beginning Balance Due from/(to) Herndon Ending Balance Due from/(to) Herndon	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
4]	Arlington County:						
	District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments	\$17,290,546	\$18,077,040	\$18,897,352	\$19,752,938	\$20,645,315	\$21,576,064
	Sewage Flows - Arlington County	478,296	478,296	478,296	478,296	478,296	478,296
	Total Flows sent to Blue Plains Allocation Percentage	9,925,226 4.82%	9,959,694 4.80%	9,994,318 4.79%	10,029,065 4.77%	10,063,967 4.75%	10,099,023
	Blue Plains O&M Costs Allocable to Arlington County	\$833,230	\$868,117	\$904,367	\$942,037	\$981,181	\$1,021,856
	Adjustments for Accruals/True-Up Adjusted Blue Plains O&M Costs - Arlington County	\$833,230	0 \$868,117	0 \$904,367	0 \$942,037	0 \$981,181	\$1,021,856
	Blue Plains Annual User Fee Payments (IMA) Fairfax County Payments	\$496,607	\$517,961	\$540,233	\$563,463	\$587,692	\$612,963
	Capacity Reservation - Arlington	1.80	1.80	1.80	1.80	1.80	1.80
	Total Capacity Reservation for Fairfax County	<u>31.00</u> 5.81%	31.00 5.81%	31.00 5.81%	31.00	31.00 5.81%	31.00
	Arlington County Share of Payments Blue Plains User Fee Payments (IMA)	\$28,835	\$30,075	\$31,368	\$32,717	\$34,124	\$35,591
	Pimmit Run Trunk Sewer O&M Payment	\$26,655	350,075	351,508	\$52,717	354,124	\$55,591
	Annual O&M Costs - Fairfax Trunk Sewers	\$0	\$0	\$0	\$0	\$0	\$0
	Sewage Flows - Arlington County Annual Flow of Sewage - Pimmit Run System of Fairfax	0	0	0	0	0	0
	Allocation Percentage - Pinmit Run O&M Costs	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Pimmit Run O&M Costs Allocable to Arlington	\$0	\$0	\$0	\$0	\$0	\$0
	Adjustments for Accruals/True-Up Adjusted Pimmit Run Trunk Sewer O&M payment	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0
	Total Sales of Services Receivables - Arlington County	\$862,066	\$898,192	\$935,735	\$974,754	\$1,015,305	\$1,057,447
	Adjustments for Accruals/True-Up Adjusted Total Sales of Service Revenue for Arlington County	\$0 \$862,066	\$0 \$898,192	\$0 \$935,735	\$0 \$974,754	\$0 \$1,015,305	\$0 \$1,057,447
	Blue Plains - Capital Payment Blue Plains CIP Costs	\$21,580,000	\$33,330,000	\$34,523,000	\$46,884,000	\$48,546,000	\$39,601,000
	Capacity Reservation - Arlington	1.80	1.80	1.80	1.80	1.80	1.80
	Total Capacity Reservation for County Allocation Percentage	31.00 5.81%	31.00 5.81%	31.00 5.81%	31.00 5.81%	31.00 5.81%	31.00 5.81%
	CIP costs Allocated to Arlington	\$1,253,032	\$1,935,290	\$2,004,561	\$2,722,297	\$2,818,800	\$2,299,413
	Accrual/Adjustments Total Capital Reimbursement - Arlington	0 \$1,083,774	0 \$1,649,090	0 \$1,704,426	0 \$2,509,200	0 \$2,724,968	0 \$2,285,187
1	Fort Belvoir:						
	Noman Cole CIP Costs	142,775,000	177,317,000	139,242,333	108,860,333	114,833,333	64,246,000
	Capacity Reservation - Fort Belvior Total Payment due from Herndon	3.00 67.00	3.00 67.00	3.00 67.00	3.00 67.00	3.00 67.00	3.00 67.00
	Allocation Percentage	4.48%	4.48%	4.48%	4.48%	4.48%	4.48%
	CIP costs Allocated to Arlington Accrual/Adjustments	\$6,392,910 0	\$7,939,567	\$6,234,731	\$4,874,343	\$5,141,791 0	\$2,876,687 0
	Total Capital Reimbursement - Fort Belvior	\$6,392,910	\$7,939,567	\$6,234,731	\$4,874,343	\$5,141,791	\$2,876,687
	Norman Cole O&M Payment Sewage Flows	0 398,434	0 398,434	0 398,434	0 398,434	0 398,434	0 398,434
	Rate Charged Total Sales of Services Receivables - Fort Belvoir	\$6.96	\$7.24 \$2,886,167	\$7.67 \$3,056,520	\$8.12 \$3,236,701	\$8.60	\$9.11
	Adjusted Total Sales of Service Revenue for Fort Belvoir	\$2,771,507	\$2,886,167	\$3,056,520 \$3,056,520	\$3,236,701	\$3,426,709 0 \$3,426,709	\$3,629,822
]	City of Falls Church:		. ,,		,====,/01	,,	
	AlexRenew O&M Payment	e17 5/7 /70	610 155 225	¢10 753 011	\$10,202,075	\$10.957.007	\$20 427 7C -
	AlexRenew WWTP 0&M Costs	\$17,567,678	\$18,155,327	\$18,752,811	\$19,303,875	\$19,857,807	\$20,427,781
	City of Falls Church Flows Total Flows Sent to AlexRenew Allocation Percentage	400,916 6,116,451 \$0	400,916 6,145,949 \$0	400,916 6,169,654 \$0	400,916 6,193,443 \$0	400,916 6,217,338 \$0	400,916 6,241,339 \$0
	AlexRenew O&M Costs allocable to City of Falls Church	\$1,151,511	\$1,184,318	\$1,218,594	\$1,249,585	\$1,280,502	\$1,312,190
	Adjustrent of AcculaisTrue-Up Adjusted Total Sales of Service Revenue for the City of Falls Church	(212,726) \$938,785	(228,980) \$955,338	(239,505) \$979,088	(246,936) \$1,002,649	(254,596) \$1,025,905	(262,494) \$1,049,696
	AlexRenew O&M Payment						
		\$36,420,000	\$38,991,000	\$40,884,000	\$45,050,000	\$38,730,000	\$38,343,000
	AlexRenew WWTP O&M Costs						
	AlexRenew WWTP O&M Costs City of Falls Church Flows Total Flows Sent to AlexRenew	1.0	1.0 32	1.0 32	1.0 32	1.0 32	32
	AlexRenew WWTP O&M Costs City of Falls Church Flows Total Flows Sent to AlexRenew Allocation Percentage	32 3.09%	32 3.09%	32 3.09%	32 3.09%	32 3.09%	32 3.09%
	AlexRenew WWTP O&M Costs City of Falls Church Flows Total Flows Sent to AlexRenew	32	32	32	32	32	1.0 32 3.09% \$1,183,426 0

#### Historical and Projected Sales of Service (Bulk Sales) and Other Revenue

[7]	Town of Vienna
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	Payment Number 1 - O&M Payments A. Noman Cole O&M Payment Noman Cole O&M Costs Plus: Overhead @4.0% of Allocable O&M Costs Total Allocable Costs	\$41,078,961 1,643,158	\$42,101,617 1,684,065	\$43,403,120 <u>1,736,125</u> \$45,139,245	\$44,736,756 1,789,470 \$46,526,226	\$46,112,693 1,844,508	\$47,524,335 1,900,973
		\$42,722,120	\$43,785,681			\$47,957,201	\$49,425,309
	Town of Vienna Sewage Flow Total Noman Cole Sewage Flow Allocation Percentage	337,114 14,423,178 2.34%	337,114 14,479,909 2.33%	337,114 14,538,873 2.32%	337,114 14,597,983 2.31%	337,114 14,657,604 2.30%	337,114 14,717,480 2.29%
	Noman Cole O&M Costs allocable to Town of Vienna	\$998,547	\$1,019,396	\$1,046,647	\$1,074,439	\$1,102,980	\$1,132,121
	<ul> <li>B. Alex Renew O&amp;M Payment</li> <li>Alex Renew O&amp;M Costs Allocable to Fairfax</li> <li>Plus: Overhead @ 4.0% of Allocable O&amp;M Costs</li> </ul>	\$ 0 \$17,567,678 702,707	\$ 0 \$18,155,327 726,213	\$ 0 \$18,752,811 750,112	\$ 0 \$19,303,875 772,155	\$ 0 \$19,857,807 794,312	\$ 0 \$20,427,781 817,111
	Total Allocable Costs	\$18,270,385	\$18,881,540	\$19,502,923	\$20,076,030	\$20,652,119	\$21,244,893
	Accotink Flows - Vienna Total Flows to Alex Renew Allocation Percentage	0 6,116,451 0.00%	5,900 6,145,949 0.10%	5,900 6,169,654 0.10%	5,900 6,193,443 0.10%	5,900 6,217,338 0.09%	5,900 6,241,339 0.09%
	Alex Renew O&M Cost Allocated to Town of Vienna	\$0	\$18,126	\$18,651	\$19,125	\$19,598	\$20,083
	Total O&M Payments	\$998,547	\$1,037,522	\$1,065,298	\$1,093,564	\$1,122,578	\$1,152,204
	Adjustments for Accruals/True-Up Adjusted Total O&M Payments	0 \$998,547	0 \$1,037,522	0 \$1,065,298	0 \$1,093,564	0 \$1,122,578	0 \$1,152,204
	Payment Number 2 - Capital Payments A. Capital Contributions for Nitrogen Removal	\$0	\$0	\$0	\$0	\$0	\$0
	B. Noman Cole CIP	142,775,000	177,317,000	139,242,333	108,860,333	114,833,333	64,246,000
	Capacity Reservation - Vienna Total Capacity - Noman Cole	\$67 \$1	\$67 \$1	\$67 \$1	\$67 \$1	\$67 \$1	\$67 \$1
	Allocation Percentage - Capital Costs	\$0	\$0	\$0	\$0	\$0	\$0
	Total Capital Payments Accrual/Adjustments	\$2,663,713	\$3,308,153	\$2,597,805 0	\$2,030,976 0	\$2,142,413	\$1,198,619 0
	Adjusted Total Capital Payments	\$2,663,713	\$3,308,153	\$2,597,805	\$2,030,976	\$2,142,413	\$1,198,619
[8]	FCWA:						
	Sewage Flows Rate Charged	20,586 \$8.37	20,586 \$8.72	20,586 \$9.20	20,586 \$9.74	20,586 \$10.32	20,586 \$10.93
	Total Sales of Services Receivables - Fairfax Water Adjustments for Accruals/True-Up	\$172,253	\$179,561	\$189,391	\$200,559	\$212,345	\$224,902
	Adjusted Total Sales of Service Revenue for Fairfax Water	\$172,253	\$179,561	\$189,391	\$200,559	\$212,345	\$224,902
	Blue Plains CIP Costs	\$15,774,935	\$24,003,426	\$24,808,865	\$36,522,800	\$39,663,419	\$33,262,168
	Capacity Reservation - FCWA Total Capacity - Noman Cole Allocation Percentage - Capital Costs	67 1.00 1.49%	67 1.00 1.49%	67 1.00 1.49%	67 1.00 1.49%	67 1.00 1.49%	67 1.00 1.49%
			\$358,260.09			\$591,991.33	
	Total Capital Payments Accrual/Adjusted Total Capital Payments	\$235,446.80 (235,447) \$172,253	(358,260) (358,260) \$179,561	\$370,281.56 (370,282) \$189,391	\$545,116.42 (545,116) \$200,559	\$391,991.33 (591,991) \$212,345	\$496,450.26 (496,450) \$224,902
[9]	1-95 ERRF (Covanta):						
	Sewage Flows Rate Charged	36,318 \$8.37	36,318 \$8.72	36,318 \$9.20	36,318 \$9.74	36,318 \$10.32	36,318 \$10.93
	Total Sales of Services Receivables - Covanta	\$303,887	\$316,779	\$334,121	\$353,823	\$374,615	\$396,769
	Adjustments for Accruals/True-Up Adjusted Total Sales of Service Revenue for Covanta	\$303,887	\$316,779	\$334,121	\$353,823	0 \$374,615	\$396,769
	B. Noman Cole CIP	\$142,775,000	\$177,317,000	\$139,242,333	\$108,860,333	\$114,833,333	\$64,246,000
	Capacity Reservation - Vienna Total Capacity - Noman Cole	67 1.00	67 1.00	67 1.00	67 1.00	67 1.00	67 1.00
	Allocation Percentage - Capital Costs	1.49%	1.49%	1.49%	1.49%	1.49%	1.49%
	Total Capital Payments Accrual/Adjustments Adjusted Total Capital Payments	\$2,130,970 (2,130,970) \$303,887	\$2,646,522 (2,646,522) \$316,779	\$2,078,244 (2,078,244) \$334,121	\$1,624,781 (1,624,781) \$353,823	\$1,713,930 (1,713,930) \$374,615	\$958,896 (958,896) \$396,769
[10]	Loudoun County Sanitation Authority:						
	1. UOSA O&M Payments Billed to Fairfax Co.						
	Fairfax Co. Paym. of O&M to UOSA LCSA Share of Payments	\$13,439,778 1.23%	\$13,748,893 1.23%	\$14,037,620 1.23%	\$14,318,372 1.23%	\$14,633,376 1.23%	\$14,955,311 1.23%
	UOSA O&M Payments Allocated to LCSA	\$165,758	\$169,570	\$173,131	\$176,594	\$180,479	\$184,450
	2. UOSA Reserve Maintenance Billed to Fairfax Co. Fairfax County Payments LCSA Share of Payments	\$ - \$1,968,205 4.52%	\$ - \$2,013,474 4.52%	\$ - \$2,055,757 4.52%	\$ - \$2,096,872 4.52%	\$ - \$2,143,003 4.52%	\$ - \$2,190,149 4.52%
	UOSA R&M Payments Allocated to LCSA	\$89,059	\$91,107	\$93,021	\$94,881	\$96,968	\$99,102
	Total Sales of Services Allocated to LCSA Adjustments for Accruals/True-Up Adjusted Total Sales of Service Revenue for LCSA	\$254,817 0 \$254,817	\$260,678 0 \$260,678	\$266,152 0 \$266,152	\$271,475 0 \$271,475	\$277,448 0 \$277,448	\$283,551 0 \$283,551
		\$254,017	<i>\$200,070</i>	<i>\$200,132</i>	φ2/1, <del>τ</del> /J	0777,1124	449999991

[11] Amounts Shown considered as a Non-recurring Revenue pursuant to the General Bond Resolution

[12] Amounts Shown reflect SOS customer direct capital contributions. Other SOS customers such as Fort Belvoir are charged a single rate to recover both operating and capital cost apportionment and is considered an oper

Line		Projected Fiscal Year Ending June 30,												
No.	Description		2024		2025		2026		2027		2028		2029	
1	Total Operating Expenses (Including TBC) [1]	\$	140,193,393	\$	142,695,172	\$	147,462,064	\$	152,312,176	\$	157,376,635	\$	162,029,531	
	Debt Service [2]													
	Senior Debt Service													
2	Existing Debt	\$	36,991,731	\$	36,976,929	\$	37,020,171	\$	37,010,629	\$	36,995,085	\$	31,357,802	
3	Proposed Debt [3]		2,897,325		11,589,299		21,430,086		31,270,872		39,262,062		53,326,399	
4	Subtotal - Senior Debt Service	\$	39,889,056	\$	48,566,228	\$	58,450,257	\$	68,281,502	\$	76,257,148	\$	84,684,201	
	Subordinate Debt Service													
5	Existing Debt (Includes UOSA Planned Debt) [4]	\$	23,290,012	\$	23,747,430	\$	24,049,537	\$	24,048,665	\$	24,050,780	\$	17,966,302	
6	Proposed Debt [5]		-		1,988,884		1,988,884		1,988,884		6,394,687		6,394,687	
7	Subtotal - Subordinate Debt Service	\$	23,290,012	\$	25,736,314	\$	26,038,421	\$	26,037,549	\$	30,445,468	\$	24,360,989	
8	Total Debt Service	\$	63,179,068	\$	74,302,542	\$	84,488,677	\$	94,319,050	\$	106,702,615	\$	109,045,190	
	Other Revenue Requirements													
9	Transfer to Capital - Subfund C69300 (Programmed)	\$	63,961,681	\$	76,590,524	\$	81,076,060	\$	86,237,641	\$	89,486,931	\$	104,495,256	
10	Transfer to Extension - Subfund 69300A		3,000,000		1,478,927		-		-		-		-	
11	Transfer to Reserves - Fund 69000		1,110,000		1,028,128		1,958,997		1,993,196		2,081,285		1,912,149	
12	Capital Improvements Funded from Rates		13,242,784		6,000,000		6,180,000		6,365,400		6,556,362		6,753,053	
13	Total Other Revenue Requirements	\$	81,314,465	\$	85,097,579	\$	89,215,057	\$	94,596,237	\$	98,124,578	\$	113,160,458	
14	Gross Revenue Requirements	\$	284,686,926	\$	302,095,292	\$	321,165,798	\$	341,227,463	\$	362,203,828	\$	384,235,179	
	Less Income and Funds from Other Sources:													
15	Sales of Service (Bulk Revenue) [6]	\$	11,143,886	\$	11,517,779	\$	11,973,177	\$	12,448,591	\$	12,943,761	\$	13,462,329	
16	Other Operating Revenues [7]		775,000		775,000		775,000		775,000		775,000		775,000	
17	Unrestricted Interest Income [8]		4,579,000		4,900,000		5,641,000		6,338,000		6,598,000		6,788,000	
18	Transfers from Reserves - Fund 69000		-		-		-		-		-		-	
19	Availability Fees Used to Pay Debt		18,286,001		18,895,975		19,770,973		20,446,046		21,331,985		22,015,343	
20	Subtotal Other Operating Revenues	\$	34,783,887	\$	36,088,754	\$	38,160,150	\$	40,007,638	\$	41,648,746	\$	43,040,673	
21	Net Revenue Requirements	\$	249,903,039	\$	266,006,539	\$	283,005,648	\$	301,219,826	\$	320,555,082	\$	341,194,507	
	Revenues from Proposed Sewer Service Charges:													
22	Proposed Rate Adjustments - Effective		0.0%		5.9%		5.9%		5.9%		5.9%		5.9%	
23	Rate Revenues Under Proposed Rates	\$	249,903,039	\$	266,006,538	\$	283,005,648	\$	301,219,826	\$	320,555,083	\$	341,194,506	
24	Rate Revenue Surplus/(Deficiency)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	

Footnotes on Page 2 of 2.

#### Development of Wastewater System Revenue Requirements and Revenue Sufficiency

Line		Projected Fiscal Year Ending June 30,												
No.	Description	2024	2025	2026	2027	2028	2029							
					· · · · · · · · · · · · · · · · · · ·									

Footnotes:

#### [1] Amounts shown derived from information as contained on Table 3.

- [2] The total Outstanding Senior Lien Debt Service include debt service associated with the Sewer Revenue Bonds, Series 2012 (the "Series 2012 Bonds"), the Sewer Revenue Refunding Bonds, Series 2014 (the "Series 2014 Bonds"), the Sewer Revenue Refunding Bonds, Series 2016A (the "Series 2016A Bonds"), the Sewer Revenue Bonds, Series 2017 (the "Series 2017 Bonds"), and the Sewer Revenue Bonds, Series 2021 (the "Series 2021 Bonds").
- [3] The following table summarizes the assumptions utilized for additional Senior Lien Debt:

	202	24		2026	2028		2033	
Term-Years	30	)		30	30		30	
Interest Rate	4.50%			5.00%	5.10%		5.60%	
Issue Month - Principal Pmt (Jan=1)	4			1	1	7		
Total Projects Funded (Millions)	\$	175.0	\$	361.3	\$ 288.1	\$	47.5	
Total Principal Issued (Millions)	\$	188.8	\$	393.6	\$ 313.4	\$	48.2	
Annual Debt Service (Millions)	\$	11.6	\$	19.7	\$ 18.5	\$	0.0	

- [4] Amount shown includes debt service associated with outstanding VRA Loan 2001 C-515259-01, VRA Loan 2002 C-515273-01 and various outstanding UOSA debt issues.
- [5] Based on discussions with WMP staff, forecast assumes the County will participate in issuances by UOSA.
- [6] Amounts shown derived from information as contained on Table 5.
- [7] Other Revenues includes revenues derived from: miscellaneous revenue, pretreatment changes and the sale of property. Amount shown include Non-Recurring Revenues from growth related miscellaneous charges.
- [8] Amounts shown derived from information as contained on Table 9.

#### Page 1 of 3

#### Table 7 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis

#### Projected Operating Results and Debt Service Coverage Analysis

Line						Pı	ojected Fiscal Y	ear I	Ending June 30,				
No.	Description		2024		2025		2026		2027		2028		2029
1	Operating Revenues: [1]	\$	249,903,039	\$	266 006 529	\$	283,005,648	\$	301,219,826	\$	320,555,083	\$	241 104 506
1 2	Sewer Service Charges (Retail Customers)	\$	· · ·	\$	266,006,538	\$	· · ·	Э		Э		3	341,194,506
3	Sales of Service (Bulk revenue) Other Revenues [2]		11,143,886 775,000		11,517,779 775,000		11,973,177 775,000		12,448,591 775,000		12,943,761 775,000		13,462,329 775,000
4	Interest Income		4,579,000		4,900,000		5,641,000		6,338,000		6,598,000		6,788,000
5	Other		4,379,000		4,900,000		5,041,000		0,338,000		0,398,000		0,788,000
6	Total Operating Revenues Before Availability Charges	\$	266,400,925	\$	283,199,317	\$	301,394,825	\$	320,781,417	\$	340,871,843	\$	362,219,835
	Operating Expenses: [3]												
7	Total Operating Expenses	\$	140,193,393	\$	142,695,172	\$	147,462,064	\$	152,312,176	\$	157,376,635	\$	162,029,531
/	Total Operating Expenses	φ	140,195,595	φ	142,093,172	φ	147,402,004	φ	132,312,170	φ	157,570,055	ф	102,029,551
8	Net Operating Revenues	\$	126,207,532	\$	140,504,146	\$	153,932,761	\$	168,469,241	\$	183,495,208	\$	200,190,304
	Non-Recurring Revenues and Revenue Subfund Credit: [4]												
9	Availability Charge Revenues [5]	\$	18,286,001	\$	18,895,975	\$	19,770,973	\$	20,446,046	\$	21,331,985	\$	22,015,343
10	Availability Charge Interest Income [5]		-		-		-		-		-		-
11	Other Non-recurring Revenues [6]		260,000		261,073		262,152		263,234		264,321		265,413
12	Moneys Held to Credit of Revenue Subfund [7]		-		-		-		-		-		-
13	Net Revenues [8]	\$	144,753,532	\$	159,661,194	\$	173,965,886	\$	189,178,522	\$	205,091,514	\$	222,471,060
	Rate Covenant Test [9]												
	<b>TEST 1 - Net Revenue Less Excluded Revenues</b>												
14	Net Revenues [8]	\$	144,753,532	\$	159,661,194	\$	173,965,886	\$	189,178,522	\$	205,091,514	\$	222,471,060
	Less: Excluded Revenues [4]:												
15	Availability Charge Revenues	\$	(18,286,001)	\$	(18,895,975)	\$	(19,770,973)	\$	(20,446,046)	\$	(21,331,985)	\$	(22,015,343
16	Availability Charge Interest Earned		-		-		-		-		-		-
17	Other Non-recurring Revenues [6]		(260,000)		(261,073)		(262,152)		(263,234)		(264,321)		(265,413
18	Net Revenues Available Less Excluded Revenues	\$	126,207,532	\$	140,504,146	\$	153,932,761	\$	168,469,241	\$	183,495,208	\$	200,190,304
	Debt Service Requirements:												
	Principal and Interest Requirements [10]												
19	Sewer Revenue Refunding Bonds, Series 2014	\$	5,958,531	\$	5,921,406	\$	5,947,398	\$	5,966,138	\$	5,971,740	\$	248,831
20	Series 2016A Refunding Bonds [11]		12,729,304		12,741,460		12,751,085		12,718,658		12,687,763		12,768,179
21	Sewer Revenue Bonds, Series 2017 [11]		5,549,542		5,554,292		5,554,979		5,555,958		5,561,990		5,563,208
22	Series 2021A [11]		11,858,704		11,864,121		11,871,058		11,874,225		11,877,944		11,881,933
23	Series 2021B [11]		895,650		895,650		895,650		895,650		895,650		895,650
24	Series 2024 Bonds [11]		2,897,325		11,589,299		11,589,299		11,589,299		11,589,299		11,589,299
25	Series 2026 Bonds [11]		0		0		9,840,787		19,681,574		19,681,574		23,281,699
26	Series 2028 Bonds [11]		0		0		0		0		7,991,190		18,455,400
28	Series 2030 Bonds [11]		0		0		0		0		0		0
29	Series 2032 Bonds [11]		0		0		0		0		0		0
30	Total Debt Service Requirements	\$	39,889,056	\$	48,566,228	\$	58,450,257	\$	68,281,502	\$	76,257,148	\$	84,684,201
31	Calculated Coverage		3.16		2.89		2.63		2.47		2.41		2.36
32	Required Coverage		1.25		1.25		1.25		1.25		1.25		1.25
33	Policy Target		2.00		2.00		2.00		2.00		2.00		2.00

Footnotes on Page 2 of 3.

#### Projected Operating Results and Debt Service Coverage Analysis

34	<b>TEST 2 - Net Revenues With Excluded Revenues</b> Net Revenues [8]	\$ 144,753,532	\$ 159,661,194	\$ 173,965,886	\$ 189,178,522	\$ 205,091,514	\$ 222,471,060
35	Debt Service Requirements: Subordinate Obligations [12]: EDA Facilities Revenue Bonds, Series 2021 [11]	\$ 1,696,683	\$ 1,697,583	\$ 1,697,283	\$ 1,696,354	\$ 1,700,000	\$ 1,697,250
35	Subtotal VRA Debt Service	\$ 1,696,683	\$ 1,697,583	\$ 1,697,283	\$ 1,696,354	\$ 1,700,000	\$ 1,697,250
36	UOSA Subordinate Debt UOSA Existing Subordinate Debt	\$ 21,593,328	\$ 22,049,847	\$ 22,352,254	\$ 22,352,311	\$ 22,350,780	\$ 16,269,052
37	Subtotal UOSA Debt Service	\$ 21,593,328	\$ 22,049,847	\$ 22,352,254	\$ 22,352,311	\$ 22,350,780	\$ 16,269,052
38 39 40 41	UOSA Proposed Subordinate Debt [13] UOSA Proposed Subordinate Debt [13] UOSA Proposed Subordinate Debt [13] UOSA Proposed Subordinate Debt [13]	- - -	1,988,884 - - -	1,988,884 - - -	1,988,884 - - -	1,988,884 4,405,804 -	1,988,884 4,405,804 - -
42	Total Subordinate Obligations	\$ 23,290,012	\$ 25,736,314	\$ 26,038,421	\$ 26,037,549	\$ 30,445,468	\$ 24,360,989
43	Principal and Interest Requirements [10]	\$ 39,889,056	\$ 48,566,228	\$ 58,450,257	\$ 68,281,502	\$ 76,257,148	\$ 84,684,201
44	Total Debt Service Requirements	\$ 63,179,068	\$ 74,302,542	\$ 84,488,677	\$ 94,319,050	\$ 106,702,615	\$ 109,045,190
45 46 47	Calculated Coverage Required Minimum Coverage Min. Recommended Target for Test 2 - 2.00	2.29 1.00 2.00	2.15 1.00 2.00	2.06 1.00 2.00	2.01 1.00 2.00	1.92 1.00 2.00	2.04 1.00 2.00
48	Net Revenues [8] Less Transfers to Other Funds [14]:	\$ 144,753,532	\$ 159,661,194	\$ 173,965,886	\$ 189,178,522	\$ 205,091,514	\$ 222,471,060
49 50	Debt Service Subfund [15] Subordinate Obligations Subfund [16]	\$ 39,889,056 23,290,012	\$ 48,566,228 25,736,314	\$ 58,450,257 26,038,421	\$ 68,281,502 26,037,549	\$ 76,257,148 30,445,468	\$ 84,684,201 24,360,989
51	Amount Available for Other Purposes	\$ 81,574,464	\$ 85,358,652	\$ 89,477,209	\$ 94,859,471	\$ 98,388,899	\$ 113,425,870

Footnotes:

[1] Operating Revenues reflect rates recently adopted by the Board of Supervisors pursuant to the Rate Ordinance

				Proje	cted Fiscal Y	ear End	ing June 30,				
	2024		2025		2026		2027		2028		2029
(1	Existing)	(Reco	mmended)	(Reco	mmended)	(Reco	ommended)	(Reco	mmended)	(Reco	ommended)
\$	44.81	\$	49.73	\$	52.62	\$	55.78	\$	59.08	\$	62.57
\$	0.00	\$	0.00	\$	0.00	\$	0.00	\$	0.00	\$	0.00
	8.46		8.81		9.33		9.88		10.46		11.08
			5.9%		5.9%		5.9%		5.9%		5.9%
			5.8%		5.9%		5.9%		5.9%		5.9%
	(E \$ \$	(Existing) \$ 44.81 \$ 0.00	(Existing) (Recc \$ 44.81 \$ \$ 0.00 \$	(Existing)         (Recommended)           \$ 44.81         \$ 49.73           \$ 0.00         \$ 0.00           8.46         8.81           5.9%	2024         2025           (Existing)         (Recommended)         (Reco           \$ 44.81         \$ 49.73         \$           \$ 0.00         \$ 0.00         \$           \$ 8.46         8.81         \$.9%	2024         2025         2026           (Existing)         (Recommended)         (Recommended)           \$ 44.81         \$ 49.73         \$ 52.62           \$ 0.00         \$ 0.00         \$ 0.00           \$ 8.46         8.81         9.33           5.9%         5.9%	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	(Existing)         (Recommended)         (Recommended)         (Recommended)           \$ 44.81         \$ 49.73         \$ 52.62         \$ 55.78           \$ 0.00         \$ 0.00         \$ 0.00         \$ 0.00           \$ 44.81         \$ 49.73         \$ 52.62         \$ 55.78           \$ 0.00         \$ 0.00         \$ 0.00         \$ 0.00           \$ 8.46         \$ 8.81         9.33         9.88           \$ 5.9%         \$ 5.9%         \$ 5.9%	2024         2025         2026         2027           (Existing)         (Recommended)         (Recommended)         (Recommended)         (Recommended)           \$ 44.81         \$ 49.73         \$ 52.62         \$ 55.78         \$           \$ 0.00         \$ 0.00         \$ 0.00         \$ 0.00         \$           \$ 8.46         8.81         9.33         9.88           5.9%         5.9%         5.9%         5.9%	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$

[*] Reflects expected annualized increase to rate revenues from adopted and forecasted rate changes, everything else held constant, and assuming they are effective for an entire fiscal year or

[2] Amounts shown include other miscellaneous revenues of the System (customer service fees, sale of property, etc.); amounts do not include Non-Recurring Revenues associated with lateral spur

[3] Amounts include the Operating Component of the Cost of Contracted Services, i.e., treatment by contract (TbCs) costs. Amounts shown do not include depreciation and amortization expenses, which are non-cash expenses and are not considered Operating Expenses as defined in the General Bond Resolution.

[4] The sum of the amounts shown for Non-recurring Revenue and the Revenue Subfund credit balance is defined in the General Bond Resolution as the "Excluded Revenues".

[5] Amounts shown represent fees charged to new development and interest income earned on the balance of deposits from such fees for the allocable share of conveyance, treatment and disposal
 [6] Amounts shown include lateral spur fees, connection charges for meter replacement and other similar charges which are considered as a Non-recurring Revenues in the General Bond

Resolution (represents a one-time charge generally to new development to initiate or receive service).

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#### Table 7 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis

#### **Projected Operating Results and Debt Service Coverage Analysis**

- [7] Pursuant to the General Bond Resolution, Net Revenues shall include income previously received and currently held by the County to the credit of the Revenue Subfund and all rights to receive the same (cash and cash equivalents). For the purposes of this report, no recognition for the availability of funds held by the County in the Revenue Subfund has been assumed for purposes of determining Net Revenues as defined in the General Bond Resolution; such amounts were assumed to be available for ongoing System purposes (Operating Expenses and Capital Project
   Note that the same is the same in the same is the same interval of the
- [8] Net Revenues as defined in the General Bond Resolution includes: i) Non-recurring Revenues (e.g., availability fee revenue and investment earnings on available balances, connection fees, reconnection fees, charges for meter replacements, etc.); and ii) income previously received and currently held by the County to the credit of the Revenue Subfund and all rights to receive the
   [9] Rate Covenant requirements as defined in the General Bond Resolution under Article V, Section 501
- [10] Amounts shown reflect Debt Service Requirement on all Outstanding Bonds and Additional Parity Bonds assumed to be issued during the Forecast Period on parity with the Outstanding Bonds. Amounts shown reflect payments required to the Sinking Fund (accrual basis) and not when such Bonds are paid.
- [11] The financial forecast assumes the issuance of additional parity bonds to fund certain improvements to the System. The terms of the debt assume: i) level annual debt service payments over a 30 year repayment period; ii) interest rate of ranging from 4.50% 5.20%; iii) debt service reserve funded from the debt proceeds; and iii) issuance costs equal to 1.5% of the principal amount of
- [12] Subordinate Obligations as defined in the General Bond Resolution includes any Debt Service Component of the Cost of Contracted Services (for the UOSA debt obligation) (other than Parity Debt Service Components) and any other obligations of the County with respect to the System (VRA obligations).
- [13] Based on discussions with WMP staff, forecast assumes the County will participate in issuances by UOSA.
- [14] Amounts shown reflect transfers to other subfunds as delineated in the General Bond Resolution
- [15] Amounts shown reflect transfers to the Debt Service Subfund associated with the payment of the Principal and Interest Requirements on the Outstanding and Additional Parity Bonds based on the deposit requirements delineated in the General Bond Resolution (on an accrual basis and not when the payments are made). Also included in the recognized deposits would be funds required to pay Parity Indebtedness, if any, which are required to be set aside in a special account in the Debt Service Subfund.
- [16] Amounts shown reflect transfers to the Subordinate Obligations Subfund associated with the payment of debt on any loans considered subordinate to the Senior Lien Bonds and the Parity Indeb

Footnotes (continued):

#### Summary of Debt Service Payments - Outstanding and Additional Debt [1]

Line						Pro	jected Fiscal Y	ear E	nding June 30,				
No.	Description		2024		2025		2026		2027		2028		2029
	Outstanding Senior Lien Debt Service:	¢	5 0 5 0 5 2 1	¢	5 001 406	¢	5 0 17 200	¢	5 0 6 6 1 2 0	¢	5 0 5 1 5 4 0	¢	240.021
1	Sewer Revenue Bonds Series 2014	\$	5,958,531	\$	5,921,406	\$	5,947,398	\$	5,966,138	\$	5,971,740	\$	248,831
2	Series 2016A Refunding Bonds		12,729,304		12,741,460		12,751,085		12,718,658		12,687,763		12,768,179
3	Sewer Revenue Bonds, Series 2017		5,549,542		5,554,292		5,554,979		5,555,958		5,561,990		5,563,208
4	Sewer Revenue Bonds Series 2021A		11,858,704		11,864,121		11,871,058		11,874,225		11,877,944		11,881,933
5	Sewer Revenue Bonds Series 2021B		895,650		895,650		895,650		895,650		895,650		895,650
6	Subtotal - Current Senior Lien Debt Service	\$	36,991,731	\$	36,976,929	\$	37,020,171	\$	37,010,629	\$	36,995,085	\$	31,357,802
	Additional Senior Lien Debt Service:												
7	Series 2024 Bonds [2]	\$	2,897,325	\$	11,589,299	\$	11,589,299	\$	11,589,299	\$	11,589,299	\$	11,589,299
8	Series 2026 Bonds [2]		-		-		9,840,787		19,681,574		19,681,574		23,281,699
9	Series 2028 Bonds [2]		-		-		-		-		7,991,190		18,455,400
10	Series 2030 Bonds [2]		-		-		-		-		-		-
11	Series 2032 Bonds [2]		-		-		-		-		-		-
12	Subtotal - Additional Senior Debt Service	\$	2,897,325	\$	11,589,299	\$	21,430,086	\$	31,270,872	\$	39,262,062	\$	53,326,399
13	Total Senior Debt Service	\$	39,889,056	\$	48,566,228	\$	58,450,257	\$	68,281,502	\$	76,257,148	\$	84,684,201
	Outstanding Subordinate Debt Service:												
14	EDA Facilities Revenue Bonds, Series 2021	\$	1,696,683	\$	1,697,583	\$	1,697,283	\$	1,696,354	\$	1,700,000	\$	1,697,250
15	UOSA Existing Subordinate Debt [3]		21,593,328		22,049,847		22,352,254		22,352,311		22,350,780		16,269,052
16	Subtotal - Current Subordinate Debt Service	\$	23,290,012	\$	23,747,430	\$	24,049,537	\$	24,048,665	\$	24,050,780	\$	17,966,302
	Additional Subordinate Debt Service:												
17	Series 2024 Bonds - UOSA	\$	-	\$	1,988,884	\$	1,988,884	\$	1,988,884	\$	1,988,884	\$	1,988,884
18	Series 2027 Bonds - UOSA		-		-		-		-		4,405,804		4,405,804
19	Series 2030 Bonds - UOSA		-		-		-		-		-		-
20	Series 2033 Bonds - UOSA		-		-		-		-		-		-
21	Subtotal - Subordinate Debt Service	\$	-	\$	1,988,884	\$	1,988,884	\$	1,988,884	\$	6,394,687	\$	6,394,687
22	Total Subordinate Debt Service	\$	23,290,012	\$	25,736,314	\$	26,038,421	\$	26,037,549	\$	30,445,468	\$	24,360,989
23	Total Debt Service (Senior Lien and Subordinate)	\$	63,179,068	\$	74,302,542	\$	84,488,677	\$	94,319,050	\$	106,702,615	\$	109,045,190

Footnotes:

[1] Amounts are shown reflect deposits to the sinking fund for future debt service payments (i.e., accrued payments) and do not reflect actual debt service payments (i.e., cash basis).

The financial forecast assumes the issuance of additional parity bonds to fund certain improvements to the System. The terms of the debt assume:
 i) level annual debt service payments over a 30 year repayment period; ii) interest rate of ranging from 4.50% - 5.20%;
 iii) debt service reserve funded from the debt proceeds; and iii) issuance costs equal to 1.5% of the principal amount of bonds.

[3] Represents subordinated indebtedness issued on behalf of the County by UOSA as the contractual wastewater treatment provider.

#### Projected Fund Balances and Interest Income Determination

Line		Historical FY						Fiscal Year E	ndi	ng June 30.				
No.	Description	2023		2024		2025		2026		2027		2028		2029
	ENDING FUND BALANCE SUMMARY													
1	Revenue and Operating Fund - 69000 / 69010	\$ 80,836,855	\$	77,389,995	\$	78,418,123	\$	80,377,120	\$	82,370,317	\$	84,451,601	\$	86,363,750
2	Availability Charge Funds - 69000A [1]		ψ		ψ		ψ		φ		ψ		ψ	
3	VRA Debt Service Reserve - 69000B	-		-		-		-		-		-		-
4	Sewer Construction Fund - 69300	65,889,803		115,787,911		67,629,435		100,563,547		98,166,588		79,209,881		75,458,189
5	Sewer Construction Subfund - 69300A	-		3,260,000		5,000,000		5,262,152		5,525,386		5,789,707		6,055,119
6	Parity Debt Service Reserve - 69030	32,463,311		48,609,470		48,609,470		69,813,243		69,813,243		90,741,664		90,741,664
7	Sewer Bond Construction - 69310 (Exist Proceeds)	86,192,943		862,000		879,000		899,000		919,000		940,000		962,000
8	Sewer Bond Construction - 69310 (Add'l Proceeds)	-		87,500,000		-		176,694,400		-		143,659,000		-
9	Total Projected Ending Balance	\$ 265,382,912	\$	333,409,375	\$ 1	200,536,028	\$ -	433,609,462	\$	256,794,533	\$	404,791,852	\$ 2	259,580,723
	Allocation of Ending Fund Balances													
10	Existing Customers	\$ 253,696,120	\$	315,909,966	\$	183,036,618	\$ -	408,476,694	\$	231,661,765	\$	372,124,853	\$ 2	226,913,724
11	New Customers (Includes DSR Allocation)	11,686,792	:	17,499,409	_	17,499,409		25,132,767		25,132,767	_	32,666,999	_	32,666,999
	REVENUE AND OPERATING FUND - 69000 / 69010													
12	Beginning Balance		\$	80,836,855	\$	77,389,995	\$	78,418,123	\$	80,377,120	\$	82,370,317	\$	84,451,601
10	Transfers In:		<i>•</i>	1 1 1 0 000	¢	1 000 100	¢	1.050.005	¢	1 000 107	¢	2 001 205	¢	1 0 1 0 1 40
13	Operations Description (2002)		\$	1,110,000	\$	1,028,128	\$	1,958,997	\$	1,993,196	\$	2,081,285	\$	1,912,149
14	Debt Service Reserve - 69030			-		-		5,678,052		-		-		-
15 16	VRA Debt Service Reserve - 69000B Subtotal		¢	1,110,000	\$	1.028.128	\$	7.637.049	\$	1,993,196	\$	2,081,285	¢	1.912.149
10	Subtotal		2	1,110,000	\$	1,028,128	\$	/,03/,049	\$	1,993,190	\$	2,081,285	\$	1,912,149
	Transfers Out:													
17	Operations		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
18	Debt Service Reserve - 69030			4,556,860		0		0		0		0		0
19	Sewer Construction Fund 69300			0		0		5,678,052		0		0		0
20	CIP			0		0	_	0		0		0	_	0
21	Subtotal		\$	4,556,860	\$	0	\$	5,678,052	\$	-	\$	-	\$	-
22	Interest Rate			2.00%		2.00%		2.22%		2.22%		2.27%		2.31%
23	Interest Income		\$	1,582,000	\$	1,558,000	\$	1,764,000	\$	1,808,000	\$	1,891,000	\$	1,974,000
24	Recognition Of Interest in Revenue Requirements	Yes		1,582,000		1,558,000	_	1,764,000		1,808,000		1,891,000		1,974,000
25	Ending Balance (Excl. New Customer Share)		\$	77,389,995	\$	78,418,123	\$	80,377,120	\$	82,370,317	\$	84,451,601	\$	86,363,750
	AVAILABILITY CHARGE FUNDS - 69000A [1]		<u>_</u>				<u>_</u>		<u>_</u>				<u>_</u>	
26	Beginning Balance		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
27	Torrefor In Amerilability Changes Callesting		¢	19 296 001	¢	10 005 075	¢	10 770 072	¢	20.446.046	¢	21 221 095	¢	22 015 242
27	Transfer In - Availability Charges Collections		\$	18,286,001 0	\$	18,895,975 0	\$	19,770,973 0	\$	20,446,046 0	\$	21,331,985 0	\$	22,015,343
28	Transfer In - Sale of Capacity / Other Contributions			0		0		0		0		0		0
29	Transfers Out: Debt Service		\$	18,286,001	¢	18,895,975	\$	19,770,973	\$	20,446,046	¢	21,331,985	¢	22,015,343
30	CIP		ψ		ψ		ψ		ψ	20,440,040	ψ	-	ψ	
31	Total Transfers Out		\$	18,286,001	\$	18,895,975	\$	19,770,973	\$	20,446,046	\$	21,331,985	\$	22,015,343
22	Latered Date			2.000/		2 000/		2.220/		2 220/		2.270/		2 2 1 0 /
32 33	Interest Rate		\$	2.00%	\$	2.00%	\$	2.22%	\$	2.22%	\$	2.27%	\$	2.31%
33 34	Interest Income Recognition Of Interest in Revenue Requirements	No	2	-	\$	-	\$	-	\$	-	\$	-	\$	-
35	Ending Balance (Availability Charges Fund	INO	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	VRA DEBT SERVICE RESERVE - FUND 69000B													
36	Beginning Balance		\$		\$	_	\$		\$	_	\$	_	\$	_
30	Revenues / Transfers In		φ	-	φ	-	φ	-	φ	-	φ	-	φ	-
37	New Debt		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Expenditures / Transfers Out													
38	Operating Reserves - Fund 69000		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
				2 000/				2.220/		2 220/				2 2 1 0 /
39	Interest Rate	Med Term		2.00%		2.00%		2.7.7%		9.99%		2.27%		231%
39 40	Interest Rate Interest Income	Med. Term	\$	2.00%	\$	2.00%	\$	2.22%	\$	2.22%	\$	2.27%	\$	2.31%
		Med. Term Yes	\$		\$		\$		\$		\$		\$	

Footnotes on Page 3 of 3.

#### Projected Fund Balances and Interest Income Determination

Revenues / Transfers In: Transfers In from Revenues Fund 6000         S         63.961.681         S         76.99.524         S         81.07.000         S         86.237.641         S         18.9486.931         S           46         Total Transfers In         S         63.961.681         S         76.90.524         S         86.757.012         S         86.237.641         S         89.486.931         S           47         Transfers Out Capital Expenditures         S         14.063.573         S         12.22%         S         2.22%         2.22%         2.22%         2.22%         2.27%         S         1.817.000         S         1.834.000         S         1.864.000         S         1.844.000         S         2.20%000         2.20%000         2.20%000         2.20%000         2.20%000         S         2.00%000         S         2.00%000         S         2.00%000         S         2.00%000         S         2.00%000         S         2.00%000         S         0.00<000         S         2.02%000         S         0.00<000         S         2.00%000         S         2.00%000         S         2.00<000         S         2.00%000         S         2.00%00         S         2.00%000         S         2.00%000					ng June 30,	ndir	Fiscal Year Ei					_	Historical FY		Line
Arecech and Represents - Fund 6300         5         65,859,00         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5	2029		2028		2027		2026		2025		2024	. —	2023	Description	No.
44       Tunders In From Operations       \$ 6,3641,681       \$ 7,590,324       \$ 8,107,500       \$ 8,6327,441       \$ 9,8486,931       \$ 5,778,502         46       Total Transfers In From Revence Fund       \$ 6,3641,681       \$ 7,6590,524       \$ 86,07,7411       \$ 9,8426,931       \$ 5         47       Transfers Out Capital Expenditures       \$ 14,063,573       \$ 124,749,000       \$ 53,820,000       \$ 8,6437,460       \$ 10,8443,633       \$ 2,205       \$ 2,226       \$ 2,226       \$ 2,206,000       \$ 5,86,014,601       \$ 1,81,000       \$ 1,884,000       \$ 1,884,000       \$ 1,86,000       \$ 2,803,000       \$ 2,801,000       \$ 5,202,103       \$ 2,201,000       \$ 5,202,103       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 5,202,102       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$ 2,201,000       \$	\$ 79,209,881	\$	98,166,588	\$	100,563,547	\$	67,629,435	\$	115,787,911	\$	65,889,803	\$		<b>Renewals and Replacements - Fund 69300</b>	43
Expenditures / Transfer Out Opinal Expenditures         S         14,061,573         S         12,479,000         S         53,820,000         S         88,84,400         S         108,443,638         S           47         Transfer Out Opinal Expenditures         S         1,817,000         S         1,534,000         S         35,820,000         S         2,208,000         S         3,208,000         S         5,202,152         S         5,225,386         S           5         Service Line Extensions - Soluted 69300A         S         5,000,000         S         5,202,152         S         5,225,346         S         2,64,321         S           5         Total Transfers In         S         3,000,000         S         1,478,927         S         2,61,52         2,62,324         S         2,64,321         S           5         Total Transfers Out Graphal Expenditures         S         S         S         S         S         S         S         S         S         S         S         S<	\$ 104,495,256 -	\$	89,486,931	\$	86,237,641	\$		\$	76,590,524	\$	63,961,681	\$		Transfers In From Operations	
47       Transfer: Out Capital Expenditures       \$ 14,063,273       \$ 124,749,000       \$ \$ 33,820,000       \$ \$ 88,634,600       \$ 108,443,638       \$ 1         48       Interest Rate       2,00%       2,20%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,22%       2,20%       3,200,000       \$ 1,137,000       1,134,000       \$ 5,000,000       \$ 5,020,100       \$ \$       5,252,536       \$       \$       5,252,536       \$       \$       5,252,536       \$       \$       5,262,152       \$ 2,62,122       \$       2,62,122       \$       2,64,321       \$       2,64,321       \$       \$       2,64,321       \$       2,64,321       \$       2,64,321       \$       2,64,321       \$       2,64,321       \$       2,64,321       \$       2,64,321       \$       2,64,321       \$       2,64,321       \$       2,64,321       \$	\$ 104,495,256	\$	89,486,931	\$	86,237,641	\$		\$	76,590,524	\$	63,961,681	\$		Total Transfers In	46
44       Interest Income       5       1.817,000       5       1.834,000       5       2.208,000       5       2.010,000       5         51       Recognition Of Interest in Revenue Requirements       Yes       5       1.836,000       5       2.208,000       5       2.010,000       5         51       Breigning Balance       S       1.837,000       5       2.026,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.010,000       5       2.01	\$ 108,246,947	\$	108,443,638	\$ 1	88,634,600	\$	53,820,000	\$	124,749,000	\$	14,063,573	\$			47
50         Recognition Of Interest in Revenue Requirement         Yes         1.817,000         1.834,000         2.200,000         2.201,000         5         2.010,000           51         Ending Bulance Fund 69300         S         5         5.000,000         S         5.000,000         S         5.000,000         S         5.000,000         S         5.000,000         S         5.262,152         S         5.252,346         S           52         Revenues / Transfers In         S         3.000,000         S         1.478,2977         S         2.61,212         S         2.624,321         S         2.644,321         S           54         Non-Recurring Revenues         S         3.000,000         S         1.478,9277         S         2.62,122         S         2.644,321         S           55         Total Transfers Out         Transfers Out         S         3.0000         S         1.410,000         S         1.200,000         S         1.28,000         S         2.2274         S         2.64,321         S           59         Recognition Of Interest in Revenue Requirement         Yes         S         3.0000         S         1.40,000         S         1.20,000         S         1.28,000         S	2.31% \$ 1,787,000	¢		¢		¢		¢		¢		¢			
Service Line Extensions - Subfund 6300A         S         -         S         3,260,000         S         5,000,000         S         5,262,152         S         5,523,386         S           52         Beginning Balance         S         -         S         3,000,000         S         1,478,927         S         2,62,152         S         5,222,152         S         2,224,4         S         2,264,221         S         2,2274         2,2274         2,2274         2,2274         2,2274         2,2276         2,2276         2,2276         2,2276         2,2276         2,2176         S         2,24000         S         2,20000         S         2,20000         S         2,20000         S	1,787,000	ъ	2,010,000		2,208,000	¢	1,869,000		1,834,000		1,817,000		Yes	Recognition Of Interest in Revenue Requirements	50
52       Beginning Balance       S       .       S       3,260,000       S       5,000,000       S       5,262,152       S       5,525,386       S         53       Transfers In Trom Operations       S       3,000,000       S       1,478,927       S       2,62,152       S       2,62,321       S       5,62,152       S       2,62,321       S       5,24,321       S       5,2,21,52       S       5,2	\$ 75,458,189	\$	79,209,881	\$	98,166,588	\$	100,563,547	\$ 1	67,629,435	\$	115,787,911	\$ 1		Ending Balance Fund 69300	51
33       Transfers In From Operations       \$ <ul> <li>\$             100000</li>             S             1100000             S             110000             S             1100000             S             1100000             S             1100000             S             1</ul>	\$ 5,789,707	\$	5,525,386	\$	5,262,152	\$	5,000,000	\$	3,260,000	\$	-	\$			52
54       Non-Recurring Revenues $260,000$ $21,073$ $222,152$ $20,3244$ $20,421$ $5$ 55       Total Transfers Out $5$ $3,260,000$ $5$ $1,740,000$ $5$ $262,152$ $5$ $263,234$ $5$ $264,321$ $5$ 56       Expenditures / Transfers Out $5$ $5$ $5$ $5$ $5$ $5$ $5$ $5$ $5$ $263,234$ $5$ $264,321$ $5$ 57       Interest Rate $5$ $2.00\%$ $5$ $5.000$ $5$ $222\%$ $5222\%$ $5223,386$ $52,27\%$ $5$ 58       Interest Income $5$ $33,000$ $514,000$ $5$ $525,353,65$ $5,57,97,07$ $5$ 61       Annual Senior Debt Service $5$ $39,89,056$ $5$ $48,56,228$ $5$ $58,25,156$ $5$ $57,27,148$ $5$ 62       Average Balance $5$ $32,460,0$ $5$ $4,56,228$ $5$ $58,21,50$ $5$ $56,21,90,00$ $5$ $56,20,00$ $57,60,000$ $57,60,00$ $57,60,00$	\$-	\$	-	\$	-	\$	-	\$	1,478.927	\$	3,000.000	\$			53
Expenditures / Transfers Out       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S       S <th< td=""><td>265,413</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>261,073</td><td></td><td>260,000</td><td>*</td><td></td><td>Non-Recurring Revenues</td><td>54</td></th<>	265,413								261,073		260,000	*		Non-Recurring Revenues	54
56       Transfers Out Capital Expenditures       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       2.22%       2.22%       2.22%       2.27%       2.553386       S       5.6525.148       S       S       5.66.228       S       5.84.50.257       S       6.82.81.502       S       7.62.57.148       S         63       Interest Rate       Interest Rate       Interest Rate       2.00%       2.20%       2.27%	\$ 265,413	\$	264,321	\$	263,234	\$	262,152	\$	1,740,000	\$	3,260,000	\$		Total Transfers In	55
58       Interest Income       S       33,000       S       83,000       S       114,000       S       120,000       S       5,252,358       S       5,789,707       S         61       Annual Senior Debt Service       S       3,9,889,056       S       48,566,228       S       5,8450,257       S       66,281,502       S       7,6257,148       S         62       Average Balance       S       13,296,352       S       16,188,743       S       19,483,419       S       2,276,000       S       2,276,000       S       2,56,000       324,000       433,000       506,000       576,000       S       56,000       324,000       433,000       506,000       576,000       S       2,22%       2,22%       2,22%       2,22%       2,22%       5,000       S       1,158,000	\$-	\$	-	\$	-	\$	-	\$	-	\$	-	\$			56
60       Ending Balance Fund C69300A       5       3,260,000       \$       5,000,000       \$       5,252,152       \$       5,525,386       \$       5,789,707       \$         61       Annual Senior Debt Service       \$       3,9,889,056       \$       48,566,228       \$       \$       5,84,50,257       \$       68,281,502       \$       7,6,257,148       \$         62       Average Balance       \$       13,296,352       \$       16,188,743       \$       19,483,419       \$       2,2,760,501       \$       2,54,19,049       \$         63       Interest Rate       2,00%       2,00%       2,22%       \$       2,22%       2,27%       5,60,000       324,000       433,000       506,000       576,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000       56,000 <t< td=""><td>2.31% \$ 137,000</td><td>\$</td><td></td><td>\$</td><td></td><td>\$</td><td></td><td>\$</td><td></td><td>\$</td><td></td><td>\$</td><td></td><td></td><td></td></t<>	2.31% \$ 137,000	\$		\$		\$		\$		\$		\$			
61       Annual Senior Debt Servicc       \$ 39,889,056       \$ 4,8,566,228       \$ 58,450,257       \$ 68,281,502       \$ 76,257,148       \$         62       Average Balance       \$ 13,296,352       \$ 16,188,743       \$ 19,483,419       \$ 22,700,501       \$ 25,419,049       \$         63       Interest Rate       2.00%       2.00%       2.22%       2.22%       2.22%       2.27%         64       Interest Income       Yes       266,000       324,000       433,000       506,000       576,000       576,000         65       Recognition OF Interest in Revenue Requirements       Yes       2,463,311       \$ 48,609,470       \$ 48,609,470       \$ 69,813,243       \$ 69,813,243       \$         66       Beginning Balance       \$ 32,463,311       \$ 48,609,470       \$ 48,609,470       \$ 69,813,243       \$ 69,813,243       \$         67       Transfer In - Deficiency Below Reserve Requirement from Reserve:       \$ 4,556,860       \$ 0       \$ 2,6,81,825       \$ -       \$ 2,0,928,421       \$         69       Transfer In - Deficiency Below Requirement to Reserves       \$ -       \$ -       \$ 5,678,052       \$ -       \$ -       \$ 2,0,928,421       \$         69       Transfer Out - Excess Above Requirement to Reserves       \$ -       \$ -       \$	137,000 \$ 6,055,119	\$		\$		\$		\$		\$	/	\$	Yes		
63Interest Rate Herest Income Recognition Of Interest in Revenue Requirements $2.00\%$ Yes $2.00\%$ $266,000$ $2324,000$ $2.22\%$ $3324,000$ $2.22\%$ $433,000$ $2.22\%$ $506,000$ $576,000$ $2.27\%$ $576,000$ <b>DEBT SERVICE RESERVE - FUND 69030</b> Beginning BalanceS S 32,463,311S 48,609,470S 48,609,470S 69,813,243S 	\$ 84,684,201	\$	76,257,148	\$	68,281,502	\$	58,450,257	\$	48,566,228	\$	39,889,056	\$			61
64       Interest Income       Yes       266,000       324,000       433,000       506,000       576,000         65       Recognition Of Interest in Revenue Requirements       Yes       266,000       324,000       433,000       506,000       576,000         66       Beginning Balance       S       32,463,311       S       48,609,470       S       69,813,243       S       69,813,243       S         67       Transfer In - Deficiency Below Reserve Requirement from Reserve:       S       4,556,860       S       0       S       -       S       -       S       20,928,421       S         68       Transfer In Deficiency Below Reserve Requirement from Reserve:       S       4,556,860       S       0       S       -       S       -       S       -       S       20,928,421       S         69       Transfer Out - Excess Above Requirement to Reserves       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S       -       S	\$ 28,228,067	\$	25,419,049	\$	22,760,501	\$	19,483,419	\$	16,188,743	\$	13,296,352	\$		Average Balance	62
65       Recognition Of Interest in Revenue Requirements       Yes       266,000       324,000       433,000       506,000       576,000         06       Beginning Balance       \$ 32,463,311       \$ 48,609,470       \$ 48,609,470       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 69,813,243       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421       \$ 20,928,421	2.31%		2.27%		2.22%		2.22%		2.00%		2.00%			Interest Rate	63
66       Beginning Balance       \$ 32,463,311       \$ 48,609,470       \$ 48,609,470       \$ 69,813,243       \$ 69,813,243       \$       \$ 69,813,243       \$       \$ 69,813,243       \$       \$ 69,813,243       \$       \$ 69,813,243       \$       \$ 69,813,243       \$       \$       \$ 69,813,243       \$       \$ 69,813,243       \$       \$ 69,813,243       \$       \$       \$ 69,813,243       \$       \$       \$ 69,813,243       \$       \$       \$ 69,813,243       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$       \$ </td <td>652,000 652,000</td> <td>_</td> <td>· · · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>· · ·</td> <td></td> <td>· · ·</td> <td>_</td> <td>Yes</td> <td></td> <td></td>	652,000 652,000	_	· · · ·						· · ·		· · ·	_	Yes		
Revenues / Transfers In Transfer In Deficiency Below Reserve Requirement from Reserve:\$ 4,556,860 11,589,299\$ 0 26,881,825\$ - 														DEBT SERVICE RESERVE - FUND 69030	
67       Transfer In - Deficiency Below Reserve Requirement from Reserve:       \$ 4,556,860       \$ 0       \$ -       \$ -       \$ -       \$ 20,928,421       \$         68       Transfer in New Debt Proceeds       \$ -       \$ -       \$ 5,678,052       \$ -       \$ -       \$ 20,928,421       \$         69       Expenditures / Transfers Out       Transfer Out - Excess Above Requirement to Reserves       \$ -       \$ 5,678,052       \$ -       \$ -       \$ 20,928,421       \$         69       Interest Rate       Interest Rate       \$ 2,00%       \$ 2,00%       \$ 2,22%       \$ 2,22%       \$ 2,22%       \$ 2,22%       \$ 2,27%       \$ 1,820,000       \$         70       Interest Rate       2,00%       \$ 2,00%       \$ 972,000       \$ 1,316,000       \$ 1,551,000       \$ 1,820,000       \$       \$ 1,820,000       \$         73       Ending Balance Fund C69030       \$ 48,609,470       \$ 48,609,470       \$ 69,813,243       \$ 90,741,664       \$         74       Annual Subordinate Debt Service       \$ 23,290,012       \$ 25,736,314       \$ 26,038,421       \$ 26,037,549       \$ 30,445,468       \$         75       Average Balance       \$ 5,822,503       \$ 6,434,078       \$ 6,509,605       \$ 6,509,387       \$ 7,611,367       \$         <	\$ 90,741,664	\$	69,813,243	\$	69,813,243	\$	48,609,470	\$	48,609,470	\$	32,463,311	\$		Beginning Balance	66
69Transfer Out - Excess Above Requirement to Reserves\$-\$-\$5,678,052\$-\$-\$70Interest Rate71Interest Income72Recognition Of Interest in Revenue RequirementsYes $2.00\%$ $2.00\%$ $2.20\%$ $2.22\%$ $2.22\%$ $2.22\%$ $2.27\%$ \$73Ending Balance Fund C69030Yes $765,000$ $972,000$ $$1,316,000$1,551,000$1,820,000$74Annual Subordinate Debt Service$23,290,012$25,736,314$26,038,421$26,037,549$30,445,468$75Average Balance$5,822,503$6,434,078$6,509,605$6,509,387$7,611,367$76Interest Rate2.00\%2.00\%2.20\%2.22\%2.22\%2.27\%$76Interest Income$5,822,503$6,434,078$6,509,605$6,509,387$7,611,367$76Interest Income$2.00\%$2.20\%$2.22\%$2.27\%$77Interest Income$5,822,503$6,434,078$6,509,605$6,509,387$7,611,367$78Interest Income$2.00\%$2.00\%$2.22\%$2.27\%$$<$	\$ - -	\$	20,928,421		-	\$	- 26,881,825	\$	0	\$		\$	from Reserves	Transfer In - Deficiency Below Reserve Requirement fro	
71       Interest Income Recognition Of Interest in Revenue Requirements       Yes       \$ 765,000 765,000       \$ 972,000 972,000       \$ 1,316,000 	\$-	\$	-	\$	-	\$	5,678,052	\$	-	\$	-	\$	s	1	69
71       Interest Income Recognition Of Interest in Revenue Requirements       Yes       \$ 765,000 765,000       \$ 972,000 972,000       \$ 1,316,000 1,316,000       \$ 1,551,000 1,551,000       \$ 1,820,000 1,820,000       \$         73       Ending Balance Fund C69030       \$ 48,609,470       \$ 69,813,243       \$ 69,813,243       \$ 90,741,664       \$         SUBORDINATE DEBT SINKING FUND - 69040         74       Annual Subordinate Debt Service       \$ 23,290,012       \$ 25,736,314       \$ 26,038,421       \$ 26,037,549       \$ 30,445,468       \$         75       Average Balance       \$ 5,822,503       \$ 6,434,078       \$ 6,509,605       \$ 6,509,387       \$ 7,611,367       \$         76       Interest Rate Interest Income       \$ 2.00%       \$ 2.00%       \$ 2.22%       \$ 2.22%       \$ 2.27%         77       Interest Income       \$ 116,000       \$ 129,000       \$ 145,000       \$ 173,000       \$	2.31%		2.27%		2.22%		2.22%		2.00%		2.00%			Interest Rate	70
73       Ending Balance Fund C69030       \$ 48,609,470       \$ 69,813,243       \$ 90,741,664       \$         74       Annual Subordinate Debt Service       \$ 23,290,012       \$ 25,736,314       \$ 26,038,421       \$ 26,037,549       \$ 30,445,468       \$         75       Average Balance       \$ 5,822,503       \$ 6,434,078       \$ 6,509,605       \$ 6,509,387       \$ 7,611,367       \$         76       Interest Rate       2.00%       2.00%       2.02%       2.22%       2.22%       2.27%       2.27%       5       116,000       \$ 116,000       \$ 129,000       \$ 145,000       \$ 173,000       \$		\$		\$	1,551,000	\$	1,316,000	\$	,	\$	765,000	\$	Vac		71
SUBORDINATE DEBT SINKING FUND - 69040         \$ 23,290,012         \$ 25,736,314         \$ 26,037,549         \$ 30,445,468         \$           74         Annual Subordinate Debt Service         \$ 23,290,012         \$ 25,736,314         \$ 26,037,549         \$ 30,445,468         \$           75         Average Balance         \$ 5,822,503         \$ 6,434,078         \$ 6,509,605         \$ 6,509,387         \$ 7,611,367         \$           76         Interest Rate         2.00%         2.02%         2.22%         2.27%         \$           77         Interest Income         \$ 116,000         \$ 129,000         \$ 145,000         \$ 173,000         \$		\$		\$		\$		\$		\$		\$	1 05		
75       Average Balance       \$ 5,822,503       \$ 6,434,078       \$ 6,509,605       \$ 6,509,387       \$ 7,611,367       \$         76       Interest Rate       2.00%       2.00%       2.22%       2.22%       2.27%         77       Interest Income       \$ 116,000       \$ 129,000       \$ 145,000       \$ 173,000       \$	<u> </u>				<u> </u>									- SUBORDINATE DEBT SINKING FUND - 69040	
76       Interest Rate       2.00%       2.22%       2.22%       2.27%         77       Interest Income       \$ 116,000 \$ 129,000 \$ 145,000 \$ 145,000 \$ 173,000 \$	\$ 24,360,989 \$ ( 000 247														
77         Interest Income         \$ 116,000         \$ 129,000         \$ 145,000         \$ 173,000         \$		\$	/,611,367	\$		\$	6,509,605	\$		\$		\$		Average Balance	/5
78         Recognition Of Interest in Revenue Requirements         Yes         116,000         129,000         145,000         145,000         173,000	2.31% \$ 141,000	\$		\$		\$		\$		\$		\$			
	141,000		173,000		145,000		145,000		129,000		116,000		Yes	Recognition Of Interest in Revenue Requirements	78

Footnotes on Page 3 of 3.

#### Projected Fund Balances and Interest Income Determination

Line		Historical FY						Fiscal Year E	ndi	ng June 30,				
No.	Description	2023	_	2024		2025		2026		2027		2028		2029
79	SEWER BOND CONSTRUCTION - FUND 69310 (Existi Beginning Balance	ng Proceeds)	\$	86,192,943	\$	862,000	\$	879,000	\$	899,000	\$	919,000	\$	940,000
80 81	Revenues / Transfers In Transfers In Interest Income from Additional Debt Proceeds		\$	-	\$	-	\$		\$	-	\$	-	\$	-
82	Expenditures / Transfers Out Transfers Out - CIP		\$	86,192,943	\$	-	\$	-	\$	-	\$	-	\$	-
83 84 85	Interest Rate Interest Income Recognition Of Interest in Revenue Requirements	No	\$	2.00% 862,000 -	\$	2.00% 17,000	\$	2.22% 20,000	\$	2.22% 20,000	\$	2.27% 21,000	\$	2.31% 22,000
86	Ending Balance Fund C69310		\$	862,000	\$	879,000	\$	899,000	\$	919,000	\$	940,000	\$	962,000
87	SEWER BOND CONSTRUCTION - FUND 69310 (Addit Total Beginning Balance	ional Debt Proce	eds) \$	-	\$	87,500,000	\$	-	\$	176,694,400	\$	-	\$	143,659,000
88 89	Transfers In - Additional Debt Proceeds Transfers In Series 2017 Bonds Total Transfers Out CIP Funded From New Bonds			175,000,000 191,500,700	\$ \$	8,001,000	<u>\$</u>		\$	14,555,600	\$ \$		\$ \$	27,591,000
90 91 92	Transfers Out - CIP Series 2017 Bonds Sweep Interest Income to Fund 69310 Total Transfers Out CIP Funded From New Bonds			87,500,000		87,500,000	\$		\$		\$		\$	
93 94	Interest Rate Interest Income		\$	0.00%	\$	0.00%	\$	0.00%	\$	0.00%	\$ \$	0.00%	\$	0.00%
95 96	Recognition Of Interest in Revenue Requirements Ending Balance Fund C69310B	No	\$	87,500,000	\$	-	\$	-	\$	-	\$	-	\$	-
97	TOTAL UNRESTRICTED INTEREST INCOME		\$	4,579,000	\$	4,900,000	\$	5,641,000	\$	6,338,000	\$	6,598,000	\$	6,788,000

Footnotes:

[1] Fund C69000A will be used only to finance new customer capital projects. Fund C69000A includes new customer monies from Fund C6930(

#### Allocated Ten-Year Estimated Capital Improvement Program for the Wastewater System (in \$000s)

ine					Pı	rojecte	ed Fiscal Ye	ar Ending Jun	e 30,				
No.	Project #	Description	2024		2025		2026	2027	,	2028	2029		Total Cost
		WASTEWATER TREATMENT DIVISION											
1	WTD1	2025 WTD Master Plan	\$ 1,100	0,000 \$	817,000	\$	-	\$	- \$	-	s	- \$	1,917,0
2	WTD2	Accotink Odor Control Facility	1,400	0,000	· -		-		-	-		-	1,400,0
3	WTD3	APW/CW System Optimization		2,000	-		1,333,333	1,333,33	3	1,333,333		-	4,262,0
4	WTD4	Activated Sludge Effluent (ASE) Pump Station	6,300		4,300,000		2,900,000	-,,	-			-	13,500,0
5	WTD5	Biosolids Processing Rehabilitation, Phase III	19,100		9,100,000		4,100,000		-	-		-	32,300,0
6	WTD6	Biosolids Phase IV		9,000	1,800,000		9,900,000	18,600,00	0	14,300,000	422,00	0	45,921,0
7	WTD7	Biosolids Master Plan	0,,,	-	1,000,000		2,000,000	10,000,00	-		.22,00	-	2,000,0
8	WTD8	Expansion to 80 MGD		_	_		2,000,000			_	6,300,00	0	6,300,0
9	WTD9	Future Regulatory Project			_		_			_	3,000,00		3,000,0
10	WTD10	Generator Facility Rehabilitation			_		_			_	5,000,00	-	5,000,
10	WTD10 WTD11	WPMD Lab HVAC Upgrade	5 700	0,000	6,500,000							2	12,200,
12	WTD12	Master Filtration	5,700	0,000	0,500,000		-		-	-		-	12,200,
12	WTD12 WTD13	Miscellaneous Small Projects	6.000	0,000	6,000,000		6,000,000	6,000,00	-	6,000,000	6,000,00	-	36,000,
15	WTD13 WTD14			0,000	1,200,000		6,000,000	6,000,00	0	6,000,000	6,000,00	0	3,300,
		Modernization of Support and Administrative Facilities					-		-	-		-	
15	WTD15	MSP - Project Management and In-house Design		2,000	3,600,000				-	-		-	4,042,
6	WTD16	MSP - In-house Design Construction		0,000	3,800,000		450,000	5 500 00	-	-	224.00	-	6,550,
17	WTD17	MSP - Current Needs: Barscreen and Degrit		0,000	4,400,000		5,700,000	5,700,00		3,100,000	224,00	0	20,324,
8	WTD18	MSP - FF Gates		0,000	5,700,000		808,000	208,00				-	11,116,
9	WTD19	MSP - FF Capacity Improvements	1,000	0,000	33,400,000	2	21,800,000	20,300,00		11,000,000		-	87,500
0	WTD20	MSP - Current Needs Clarifiers, MBBRs, and DD		-	1,500,000		541,000	16,200,00	00	14,700,000	15,700,00	0	48,641
21	WTD21	MSP - Phase 1 MBBR Capacity Improvements	1,100	0,000	10,700,000		6,700,000		-	-		-	18,500,
2	WTD22	MSP - Future Needs Tertiary Clarifiers and DD Renewal		-	1,000,000		1,500,000	541,00	00	15,200,000	14,700,00		32,941,
.3	WTD23	Next Generation Biosolids Program		-	-		-		-	6,900,000	6,900,00	0	13,800
4	WTD24	Pohick Creek Stream Stabilization		1,000	3,000,000		419,000		-	-		-	3,800
5	WTD25	Primary and Secondary Sustaining Project	30,500	0,000	19,000,000	2	24,400,000	78,00	00	-		-	73,978
6	WTD26	Primary and Secondary In-House Projects	2,000	0,000	-		-		-	-		-	2,000
.7	WTD27	Primary and Secondary Program, Phase II	791	1,000	1,500,000		791,000		-	-		-	3,082
28	WTD28	Raw Wastewater Pump Station - B3	1,300	0,000	-		-		-	-		-	1,300,
29	WTD29	Raw Wastewater Pump Station - B4	54,500	0,000	59,000,000	4	48,900,000	38,900,00	0	31,300,000		-	232,600,
30	WTD30	Reclaimed Water Drought Relief		· -					-	-		-	
31	WTD31	Sustainability and Energy Projects		-	1,000,000		1,000,000	1,000,00	00	1,000,000	1,000,00	0	5,000,
2	WTD32	Unidentified Future Projects		-	-		-		-	10,000,000	10,000,00	0	20,000,
33		Total Wastewater Treatment Division	\$ 142,775	5,000 \$	177,317,000	\$ 13	39,242,333	\$ 108,860,33	3 \$	114,833,333	\$ 64,246,00	0 \$	747,274,
		TREATMENT BY CONTRACT											
		ASA Program											
4	TbC3	ASA Construction- Joint Projects	\$ 36,420	0,000 \$	38,991,000	<b>\$</b> 4	40,884,000	\$ 45,050,00	00 \$	38,730,000	\$ 38,343,00	0 \$	238,418,
5		Subtotal ASA Program	\$ 36,420	0,000 \$	38,991,000	\$ 4	40,884,000	\$ 45,050,00	0 \$	38,730,000	\$ 38,343,00	0 \$	238,418,
		Blue Plains Program Total											
86	TbC5	Blue Plains Capital Projects	\$ 18,665	5,000 \$	28,401,000	\$ 2	29,354,000	\$ 43,214,00	0 \$	46,930,000	\$ 39,356,00	0 \$	205,920,
7		Subtotal Blue Plains Program Total	\$ 18,665	5,000 \$	28,401,000	\$ 2	29,354,000	\$ 43,214,00	0 \$	46,930,000	\$ 39,356,00	0 \$	205,920,
		Arlington Program											
8	TbC12	Arlington Process Upgrades	\$ 2,915	5,000 \$	4,929,000	\$	5,169,000	\$ 3,670,00	0 \$	1,616,000	\$ 245,00	0 \$	18,544,
9		Subtotal Arlington Program	\$ 2,915	5,000 \$	4,929,000	\$	5,169,000	\$ 3,670,00	0 \$	1,616,000	\$ 245,00	0 \$	18,544,
		UOSA Projects Place Holder											
40	TbC14	Delivery System Expansion to 54 mg	\$ 2,163	3,800 \$	-	\$	-	\$ 186,90	0 \$	840,300	\$ 2,131,90	0 \$	5,322,
41	TbC15	Reserve Maintenance	10,808		4,439,400		3,368,500	10,987,70		25,942,600	25,459,10		81,006,
2	TbC16	Hydraulic Improvements	.,	-	-		-		-	-		-	, ,
3	TbC17	Nutrient Cap	3,380	0.200	3,561,600		3,246,200	3,381,00	0	-		-	13,569.
4	TbC18	Master Planning		7,800			- ,=,=	-,,00	-	-		-	147
5	TbC19	Delivery System Expansion to 64 mg		-	-		-		-	-		-	
46		Subtotal UOSA Projects Place Holder	\$ 16,500	0,700 \$	8,001,000	\$	6,614,700	\$ 14,555,60	0 \$	26,782,900	\$ 27,591,00	0 \$	100,045,
_						~							
7		Total Treatment By Contract	\$ 74,500	0,700 \$	80,322,000	\$ 8	\$2,021,700	\$ 106,489,60	0 \$	114,058,900	\$ 105,535,00	0 \$	562,927

Footnotes on Page 2 of 2

#### Page 2 of 2

#### Table 10 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis

#### Allocated Ten-Year Estimated Capital Improvement Program for the Wastewater System (in \$000s)

No.	Project #	Description		2024	2025		ojec	cted Fiscal Ye 2026		ding June 3 2027		2028		2029		Total Cost
		WASTEWATER COLLECTION DIVISION (WCD) Pumping Stations														
48	PS1	PUMP STATION CONDITION ASSESSMENT	\$	250,000		0,000	\$	-			\$	-	\$	-	\$	350,00
49 50	PS2 PS3	Accotink Pump Station		3,912,416 5,187,447	17,99	2,353		17,752,005 2,057,218	2	22,877,284	2	2,877,284		5,719,323		91,136,20 10,177,01
50	PS4	Holmes Run Pump Station Difficult Run Odor & Grit		2,348,928		2,555		2,037,218		-		-		-		4,141,60
52	PS5	Savile Lane Pump Station		2,304,026	1,75	-		-		-		-		-		2,304,02
53	PS6	Oak Marr Pump Station		1,528,516		0,617		-		-		-		-		2,869,13
54 55	PS7 PS8	Wellington II Pump Station Wellington I Pump Station		27,302		1,503		-		-		-		-		181,50 2,058,55
56	PS9	Lakebarcroft Odor Control		294,178		9,540		1,690,489		1,137,254		-		-		5,031,46
57	PS10	Jones Point Pump Station and Forcemain		411,995	2,09	6,156		6,259,764		603,269		1,498,719		-		10,869,90
58	PS11	Langley School Pump Station and Forcemain		120,749		6,127		-		-		-		-		366,8
59 60	PS12 PS13	LLV LOW PRESSURE SYSTEM Oxford and Washington Woods PS		2,037,254 197,848	1,00	0,000		1,000,000 1,266,413		1,000,000 3,063,015		1,500,000 1,030,340		1,500,000		8,037,2 5,557,6
61	PS14	Penderbrook and Wesley House Pump Stations		113,991	1,53	2,745		1,585,173		1,267,797				-		4,499,7
62	PS15	FREUND HOUSE PUMP STATION SCREENS		131,795		0,732		121,984		-		-		-		1,134,5
63	PS16	SCADA		846,000	35	0,000		1,723,010		4,667,452		4,667,452		3,500,589		15,754,5
64 65	PS17 PS18	EMERGENCY Langley School PS Edgewater and The Fairfax Pump Stations		20,099 165,187		-		790,000		1,855,312		-		-		20,0 2,810,5
66	PS19	Waynewood I & Waynewood II PS		213,550		-		1,334,472		5,092,190		2,116,689		-		8,756,9
67	PS20	Covanta FM Replacement		1,777,279	4,23	2,533		3,208,245		-		-		-		9,218,0
68	PS21	Yacht Haven Structure Abandonment		-		-		55,000		575,000		-		-		630,0
69 70	PS22 PS23	BRADDOCK ROAD Dead Run Valve Replacement		175,142	41	6,506		2,058,997		9,253,224	1	0,035,022		12,485,434		34,249,1 175,1
71	PS24	Downscrest PS Replacement		188,427		-		906,303		3,458,582		1,442,243		-		5,995,5
72	PS25	Little Hunting Creek Forcemain		750,575	7,46	0,621		1,188,112		-		-		-		9,399,3
73	PS26	Mount Vernon Terrace Forcemain		675,948		4,370		181,407		-		-		-		1,841,7
74 75	PS27 PS28	Wellington I Forcemain Riverwood Forcemain		21,214 870,121		9,901 1,293		-		-		-		-		921,1 1,021,4
75 76	PS28 PS29	Miscellaneous Pump Station Projects		1,600,000		1,602		2,775,156		4,392,817	1	0,043,236		11,515,744		32,038,5
77		Toal Pumping Stations	S	26,169,987	,	8,423	s	45,953,751	\$ 5			5,210,984	\$	34,721,090	\$	271,547,4
		Gravity Sewers		-,,	,	-, -		- , ,				- ,	-	- ,. ,		. , ,
78	GS1	Meter Rehabilitation - Project 4	\$	46,890	\$ 2,28	8,694	\$	3,405,055	\$	1,123,824	\$		\$	-	\$	6,864,
79 80	GS2 GS3	Little Hunting Creek Sewer Sag Carderock Gravity Sewer Rehabilitation		259,045 2,242,572	14	3,832		263,043		-		-		-		259,0 2,649,4
81	GS4	Inspections		2,000,000	2,06	0,000		2,121,800		2,185,454		2,251,018		2,318,548		12,936,
82 83	GS5 GS6	Asset Repairs CIPP LINING		5,633,811 8,000,000		14,102 10,000		4,463,539 6,000,000		4,172,800 6,180,000		6,207,360 4,120,000		8,248,832 4,243,600		33,930,4 35,543,6
84	GS7	Sag Replacement Package 2		1,402,112		3,042		43,075		-		-		4,243,000		5,768,2
85	GS8	CREEK BED PROGRAM		850,000	87	5,500		250,000		250,000		200,000		200,000		2,625,5
86 87	GS9 GS10	CAMERON RUN I&I Pohick Creek Rehabilitation-Phase 1 (Pohick Interceptor)		4,400,000	6.00	00,00		50,000		50,000		50,000		-		150,0 10,400,0
88	GS11	Springfield Estates Gravity Bypass		926,430	5,17	7,169		861,505		<del>.</del>		<del>.</del>		-		6,965,1
89 90	GS12 GS13	Little Pimmit Run Sewer Relocation UTILITY INTRUSION		380,815 200,000		4,338		2,590,893 105,000		3,820,126 110,250		1,020,458 115,763		121,551		8,386,6 752,5
91	GS14	Chain Bridge Vault - Site Safety Improvements		5,653	10	-		- 105,000						- 121,551		5,6
92 93	GS15	Augusta Drive Sewer		10,118		0,000		-		-		-		-		10,
93 94	GS16 GS17	Coon Branch Tributary Sewer Replacement Belleview Program		50,000 2,336,536		4,260		7,000,000		4,000,000		4,120,000		4,243,600		600,0 24,744,1
95	GS18	WEST SPRINGFIELD STREAM CROSSING		102,321		9,065		-		-		-		-		1,681,
96 97	GS19 GS20	MH 198 Study EMERGENCY Wolf Trap		219,831 423,409	14	6,610		-		-		-		-		366,4 423,4
98	GS21	Old Mill Odor Study		81,000		-		-		<del>.</del>		-		-		81,0
99 100	GS22 GS23	Pohick Phase 2 Town of Vienna Pipes Construction		508,752 250,000		6,217 60,000		3,446,021 250,000		2,333,726 250,000		250,000		250,000		7,454,7
01	GS24	Chain Bridge Siphon Project - Arlington		300,000		0,000		3,000,000		230,000		250,000		230,000		5,300,0
02 03	GS25	Abilene Street Pipe Replacement Emergency Joseph Barnes Battery Park		600,000		-		-		-		-		-		600,
103	GS26 GS27	Emergency - Reservoir Road		266,339 94,213		-		-		-		-		-		266,1 94,1
105	GS28	Emergency - Shreve Road		100,000	2.10	-		-		-						100,
.06	GS29	Miscellaneous Gravity Sewer Projects	- C	2,400,000	,	2,828	ç	2,100,000	<u>د</u>	5,266,863		9,625,589	¢	6,458,726	·	27,951,
.07		Toal Gravity Sewers Expansion	ð	34,089,848	φ <del>44</del> ,38	2,020	\$	35,949,932	φ 4	29,743,044	\$ 2	.,,700,18/	\$	26,084,857	\$	198,410,6
08 09	E1 E2	TYSONS WEST Route 1 Sewer Capacity Access Improvements	\$	3,017,068 1,500,000		5,489 0,000	\$	54,253,245 10,000,000		66,673,029 10,000,000		4,198,424 0,000,000	\$	11,341,498 10,000,000	\$	182,028,7 51,500,0
10	E3	UTILITY MANAĜEMENT PLAN		850,000		-		-		-		-		-,,		850,0
11	E4 E5	Accotink Creek Relief Sewer-Phase 1 Lakevale Capacity Improvements		1,458,615 223,397		1,569		22,378,459 1,530,730		24,476,118 1,513,504		5,320,895		-		58,205,0 5,319,7
13	E6	Merrifield Capacity Upgrade		270,994	2,86	5,188		766,996		-		-		-		3,903,
14	E7 E8	TYSONS EAST I-495 Next Lane		1,509,297 303,816	2 42	7,811		-		1,076,816		3,195,429		3,186,674		8,968,2 2,731,0
16	E9	Miscellaneous Expansion Projects			2,72			-		1,083,317		9,128,823		21,081,400		31,293,5
17		Toal Expansion	\$	9,133,186	\$ 34,46	2,134	\$	88,929,431	\$ 10	04,822,783	\$ 6	1,843,571	\$	45,609,572	\$	344,800,
18		Total Wastewater Collection Division	\$	69,393,021	\$ 129,29	3,385	\$	170,833,114	\$ 19	93,809,022	\$ 14	5,014,743	\$	106,415,518	\$	814,758,8
		C&C Conveyance Projects														
19	OP1	Oversizing Projects - County Responsibility	\$	22,500,000	· · ·			11,250,000		11,250,000		1,250,000			\$	78,750,
20		Total Oversizing Program	\$	22,500,000	\$ 11,25	0,000	\$	11,250,000	\$ 1	11,250,000	\$ 1	1,250,000	\$	11,250,000	\$	78,750,0
21		Capital Outlay (From Operations)	\$	13,242,784	\$ 6,00	0,000	\$	6,180,000	\$	6,365,400	\$	6,556,362	\$	6,753,053	\$	45,097,5

Footnotes:
[1] Amounts shown reflect estimated proportionate share of County allocable capital costs pursuant to the service agreement with UOSA to maintain the County's capacity rights with UOSA.

#### Allocated Ten-Year Estimated Capital Improvement Program for the Wastewater System (in \$000s)

ine					Pi	rojected Fisc	al Year	Ending June 3	0,			
No.	Project #	Description		2024	2025	2026		2027	2028		2029	 Total Cost
		WASTEWATER TREATMENT DIVISION										
1	WTD1	2025 WTD Master Plan	\$	1,100,000	\$ 817,000	\$	- \$	-	\$ -	\$	-	\$ 1,917,0
2	WTD2	Accotink Odor Control Facility		1,400,000	-		-	-	-		-	1,400,0
3	WTD3	APW/CW System Optimization		262,000	-	1,333,	333	1,333,333	1,333,333		-	4,262,0
4	WTD4	Activated Sludge Effluent (ASE) Pump Station		6,300,000	4,300,000	2,900,	000	-	-		-	13,500,0
5	WTD5	Biosolids Processing Rehabilitation, Phase III		19,100,000	9,100,000	4,100,	000	-	-		-	32,300,0
6	WTD6	Biosolids Phase IV		899,000	1,800,000	9,900,	000	18,600,000	14,300,000	1	422,000	45,921,0
7	WTD7	Biosolids Master Plan		-		2,000,	000				· -	2,000,
8	WTD8	Expansion to 80 MGD		-	-	,,	_	-	-		6,300,000	6,300,
9	WTD9	Future Regulatory Project		-	-		-	-	-		3,000,000	3,000,
10	WTD10	Generator Facility Rehabilitation		-	-		-	-	-		-	- , ,
11	WTD11	WPMD Lab HVAC Upgrade		5,700,000	6,500,000		-	-	-		-	12,200,
12	WTD12	Master Filtration		-			-	-	-		-	12,200,
13	WTD13	Miscellaneous Small Projects		6,000,000	6,000,000	6,000,	000	6,000,000	6,000,000	,	6,000,000	36,000,
14	WTD14	Modernization of Support and Administrative Facilities		2,100,000	1,200,000	0,000,	-					3,300,
15	WTD15	MSP - Project Management and In-house Design		442,000	3,600,000			_			_	4,042,
16	WTD15 WTD16	MSP - In-house Design Construction		2,300,000	3,800,000	450,	200					6,550.
17	WTD10 WTD17	MSP - Current Needs: Barscreen and Degrit		1,200,000	4,400,000	5,700,		5,700,000	3,100,000		224,000	20,324
18	WTD17 WTD18	MSP - FF Gates		4,400,000	5,700,000	808,		208,000	3,100,000		224,000	11,116
19	WTD18 WTD19	MSP - FF Capacity Improvements		1,000,000	33,400,000	21,800,		208,000	11,000,000		-	87,500
20	WTD20	MSP - Current Needs Clarifiers, MBBRs, and DD		1,000,000	1,500,000	21,800, 541,		16,200,000			15,700,000	48,641
20	WTD20 WTD21			1 100 000		6,700,		16,200,000	14,700,000	'	13,700,000	
21		MSP - Phase 1 MBBR Capacity Improvements		1,100,000	10,700,000			-	15 200 000		-	18,500,
	WTD22	MSP - Future Needs Tertiary Clarifiers and DD Renewal		-	1,000,000	1,500,	000	541,000	15,200,000		14,700,000	32,941
3	WTD23	Next Generation Biosolids Program		-	-		-	-	6,900,000		6,900,000	13,800
4	WTD24	Pohick Creek Stream Stabilization		381,000	3,000,000	419,			-		-	3,800
25	WTD25	Primary and Secondary Sustaining Project		30,500,000	19,000,000	24,400,	000	78,000	-		-	73,978
26	WTD26	Primary and Secondary In-House Projects		2,000,000	· · · · · · · · · · · · ·		-	-	-		-	2,000
27	WTD27	Primary and Secondary Program, Phase II		791,000	1,500,000	791,	000	-	-		-	3,082,
28	WTD28	Raw Wastewater Pump Station - B3		1,300,000	-		-	-	-		-	1,300,
29	WTD29	Raw Wastewater Pump Station - B4		54,500,000	59,000,000	48,900,	000	38,900,000	31,300,000	)	-	232,600,
30	WTD30	Reclaimed Water Drought Relief		-	-		-	-	-		-	
31	WTD31	Sustainability and Energy Projects		-	1,000,000	1,000,	000	1,000,000	1,000,000		1,000,000	5,000,
32	WTD32	Unidentified Future Projects		-	-		-	-	10,000,000	)	10,000,000	20,000,
3		Total Wastewater Treatment Division	\$	142,775,000	\$ 177,317,000	\$ 139,242,	333 \$	108,860,333	\$ 114,833,333	\$	64,246,000	\$ 747,274
		TREATMENT BY CONTRACT ASA Program										
34	TbC3	ASA Construction- Joint Projects	\$	36,420,000	\$ 38,991,000	\$ 40,884,	000 \$	45,050,000	\$ 38,730,000	\$	38,343,000	\$ 238,418,
35		Subtotal ASA Program	\$	36,420,000	\$ 38,991,000	\$ 40,884,	000 \$	45,050,000	\$ 38,730,000	\$	38,343,000	\$ 238,418,
		Blue Plains Program Total										
86	TbC5	Blue Plains Capital Projects	\$	18,665,000	\$ 28,401,000	\$ 29,354,	000 \$	43,214,000	\$ 46,930,000	\$	39,356,000	\$ 205,920,
37		Subtotal Blue Plains Program Total	\$	18,665,000	\$ 28,401,000	\$ 29,354,	000 \$	43,214,000	\$ 46,930,000	\$	39,356,000	\$ 205,920,
		Arlington Program										
38	TbC12	Arlington Process Upgrades	\$	2,915,000	\$ 4,929,000	\$ 5,169,	000 \$	3,670,000	\$ 1,616,000	\$	245,000	\$ 18,544,
9		Subtotal Arlington Program	\$	2,915,000	\$ 4,929,000	\$ 5,169.	000 \$	3,670,000	\$ 1,616,000	S S	245,000	\$ 18,544
			Ť	, .,	. , ,	, .,		- , ,- • •	. ,,	-	- /- /-	- ,- • •,
		UOSA Projects Place Holder UOSA Existing Debt Service	\$	21,435,239	\$ 21,751,418	\$ 22,348,	276 \$	22,356,232	\$ 22,348,390	\$	22,353,171	\$ 132,592
40												
40 41		Subtotal UOSA Projects Place Holder	\$	21,435,239	\$ 21,751,418	\$ 22,348.	276 \$	22,356,232	\$ 22,348.390	S	22.353.171	\$ 132,592
		Subtotal UOSA Projects Place Holder	\$	21,435,239	\$ 21,751,418	\$ 22,348,	276 \$	22,356,232	\$ 22,348,390	\$	22,353,171	\$ 132,592

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#### Page 2 of 2

#### Table 10A Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis

#### Allocated Ten-Year Estimated Capital Improvement Program for the Wastewater System (in \$000s)

lo.	Project #	Description		2024	2025	rojet	2026	ear End 2	2027	2028		2029	-	Total Cost
		· · · · · · · · · · · · · · · · · · ·												
		WASTEWATER COLLECTION DIVISION (WCD)												
43	PS1	Pumping Stations PUMP STATION CONDITION ASSESSMENT	\$	250,000 \$	100,000	s	_	\$	_	\$		s -	\$	350,0
13 14	PS2	Accotink Pump Station	φ	3,912,416	17,997,889	φ	17,752,005		2,877,284	22,87		5,719,323	Ψ	91,136,
45	PS3	Holmes Run Pump Station		5,187,447	2,932,353		2,057,218		-		-	-		10,177,
16	PS4	Difficult Run Odor & Grit		2,348,928	1,792,681		-		-		-	-		4,141,
47 48	PS5 PS6	Savile Lane Pump Station Oak Marr Pump Station		2,304,026 1,528,516	1,340,617		-		-		-	-		2,304, 2,869,
.9	PS7	Wellington II Pump Station		1,528,510	181,503		-		-		-	-		2,809,
0	PS8	Wellington I Pump Station		27,302	2,031,254		-		-		-	-		2,058,
51	PS9	Lakebarcroft Odor Control		294,178	1,909,540		1,690,489	I	1,137,254		-	-		5,031,
2	PS10	Jones Point Pump Station and Forcemain		411,995	2,096,156		6,259,764		603,269	1,49	8,719	-		10,869
3	PS11 PS12	Langley School Pump Station and Forcemain		120,749	246,127		1 000 000		1,000,000	1.50	0,000	1,500,000		366 8,037
54 5	PS12 PS13	LLV LOW PRESSURE SYSTEM Oxford and Washington Woods PS		2,037,254 197,848	1,000,000		1,000,000 1,266,413		3,063,015		0,000	1,500,000		5,557
6	PS14	Penderbrook and Wesley House Pump Stations		113,991	1,532,745		1,585,173		1,267,797	1,05	-	-		4,499
7	PS15	FREUND HOUSE PUMP STATION SCREENS		131,795	880,732		121,984		-		-	-		1,134
8	PS16	SCADA		846,000	350,000		1,723,010	4	4,667,452	4,66	7,452	3,500,589		15,754,
9	PS17	EMERGENCY Langley School PS		20,099	-				-		-	-		20
0	PS18 PS19	Edgewater and The Fairfax Pump Stations		165,187	-		790,000 1,334,472		1,855,312 5,092,190	2.11	-	-		2,810 8,756
2	PS19 PS20	Waynewood I & Waynewood II PS Covanta FM Replacement		213,550 1,777,279	4,232,533		3,208,245		5,092,190	2,11	6,689	-		9,218
3	PS21	Yacht Haven Structure Abandonment		-	-,252,555		55,000		575,000		_	-		630
4	PS22	BRADDOCK ROAD		-	416,506		2,058,997	9	9,253,224	10,03	5,022	12,485,434		34,249
5	PS23	Dead Run Valve Replacement		175,142	-		-		-		-	-		175
6	PS24	Downscrest PS Replacement		188,427			906,303	2	3,458,582	1,44	2,243	-		5,995
7	PS25	Little Hunting Creek Forcemain		750,575	7,460,621		1,188,112		-		-	-		9,399
8 9	PS26 PS27	Mount Vernon Terrace Forcemain Wellington I Forcemain		675,948 21,214	984,370 899,901		181,407		-		-	-		1,841 921
, )	PS27 PS28	Riverwood Forcemain		21,214 870,121	151,293		-		-		-	-		1,021
1	PS29	Miscellaneous Pump Station Projects		1,600,000	1,711,602		2,775,156	4	4,392,817	10,04	3,236	11,515,744		32,038
2		Toal Pumping Stations	\$	26,169,987 \$	50,248,423	\$	45,953,751	\$ 59	9,243,195	\$ 55,21	0,984	\$ 34,721,090	\$	271,547
		Gravity Sewers												
3	GS1	Meter Rehabilitation - Project 4	\$	46,890 \$	2,288,694	\$	3,405,055	\$	1,123,824	\$	-	\$ -	\$	6,864
4 5	GS2 GS3	Little Hunting Creek Sewer Sag Carderock Gravity Sewer Rehabilitation		259,045 2,242,572	143,832		263,043		-		-	-		259 2,649
5	GS4	Inspections		2,000,000	2,060,000		2,121,800	2	2,185,454	2,25	1,018	2,318,548		12,936
7	GS5	Asset Repairs		5,633,811	5,204,102		4,463,539		4,172,800		7,360	8,248,832		33,930
8 9	GS6 GS7	CIPP LINING		8,000,000	7,000,000 4,323,042		6,000,000 43,075	(	6,180,000	4,12	0,000	4,243,600		35,543
0	GS8	Sag Replacement Package 2 CREEK BED PROGRAM		1,402,112 850,000	4,323,042 875,500		250,000		250,000	20	0,000	200,000		5,768 2,625
1	GS9	CAMERON RUN I&I		-	-		50,000		50,000		0,000	- 200,000		150
2 3	GS10	Pohick Creek Rehabilitation-Phase 1 (Pohick Interceptor)		4,400,000	6,000,000		0(1.505		-		-	-		10,400
4	GS11 GS12	Springfield Estates Gravity Bypass Little Pimmit Run Sewer Relocation		926,430 380,815	5,177,169 574,338		861,505 2,590,893	-	3,820,126	1.02	0,458	-		6,965 8,386
5	GS13	UTILITY INTRUSION		200,000	100,000		105,000		110,250		5,763	121,551		752
6 7	GS14	Chain Bridge Vault - Site Safety Improvements		5,653	-		-		-		-	-		5
8	GS15 GS16	Augusta Drive Sewer Coon Branch Tributary Sewer Replacement		10,118 50,000	550,000		-		-		-	-		10 600
9	GS17	Belleview Program		2,336,536	3,044,260		7,000,000	4	4,000,000	4,12	0,000	4,243,600		24,744
0	GS18	WEST SPRINGFIELD STREAM CROSSING		102,321	1,579,065		-		-		-	-		1,681
2	GS19 GS20	MH 198 Study EMERGENCY Wolf Trap		219,831 423,409	146,610		-		-		-	-		366 423
3	GS21	Old Mill Odor Study		81,000	-		-		-		-	-		423
4	GS22	Pohick Phase 2		508,752	1,166,217		3,446,021	2	2,333,726		-	-		7,454
5 6	GS23	Town of Vienna Pipes Construction		250,000	250,000		250,000		250,000	25	0,000	250,000		1,500
,	GS24 GS25	Chain Bridge Siphon Project - Arlington Abilene Street Pipe Replacement		300,000 600,000	2,000,000		3,000,000		-		-	-		5,300 600
3	GS26	Emergency Joseph Barnes Battery Park		266,339	-		-		-		-	-		266
9	GS27	Emergency - Reservoir Road		94,213	-		-		-		-	-		94
00 01	GS28 GS29	Emergency - Shreve Road Miscellaneous Gravity Sewer Projects		100,000 2,400,000	2,100,000		2,100,000	4	5,266,863	9.62	5,589	6,458,726		100 27,951
2		Toal Gravity Sewers	\$	34,089,848 \$	44,582,828	\$	35,949,932		9,743,044		0,187		\$	198,410
3	E1	Expansion TYSONS WEST	\$	3,017,068 \$	12,545,489	\$	54,253,245		6,673,029		8,424		\$	182,028
4	E2	Route 1 Sewer Capacity Access Improvements		1,500,000	10,000,000		10,000,000	10	0,000,000	10,00	0,000	10,000,000		51,500
5 6	E3 E4	UTILITY MANAGEMENT PLAN Accotink Creek Relief Sewer-Phase 1		850,000 1,458,615	4,571,569		22,378,459	2/	4.476.118	5 37	0,895	-		850 58,205
7	E5	Lakevale Capacity Improvements		223,397	2,052,076		1,530,730		1,513,504	5,52	-,0,0	-		5,319
8	E6	Merrifield Capacity Upgrade		270,994	2,865,188		766,996		-	3 10	- 420	2 10/ /74		3,903
9 0	E7 E8	TYSONS EAST I-495 Next Lane		1,509,297 303,816	2,427,811		-		1,076,816	3,19	5,429	3,186,674		8,968 2,731
1	E9	Miscellaneous Expansion Projects			-, .27,011		-	I	1,083,317	9,12	8,823	21,081,400		31,293
2		Toal Expansion	\$	9,133,186 \$	34,462,134	\$	88,929,431	\$ 104	4,822,783	\$ 61,84	3,571	\$ 45,609,572	\$	344,800
3		Total Wastewater Collection Division	\$	69,393,021 \$	129,293,385	\$	170,833,114	\$ 193	3,809,022	\$ 145,01	4,743	\$ 106,415,518	\$	814,758
		C&C Conveyance Projects												
4	OP1	Oversizing Projects - County Responsibility	\$	22,500,000 \$			11,250,000							78,750
		Total Oversizing Program	\$	22,500,000 \$	11,250,000	\$	11,250,000	\$ 11	1,250,000	\$ 11,25	0,000	\$ 11,250,000	\$	78,750
5														
5		Capital Outlay (From Operations)	\$	13,242,784 \$	6,000,000	\$	6,180,000	\$ (	6,365,400	\$ 6,55	6,362	\$ 6,753,053	\$	45,097

## Funding Sources for the Allocated Ten-Year Estimated Capital Improvement Program for the Wastewater System (in \$000s)

Line					Projected Fiscal Year				
No.	Description		2024	2025	2026	2027	2028	2029	Total Cost
	Funding Requirements								
1	New Customer / Expansion	\$	139,732,429 \$	181.855.453	5 193.752.274 \$	203.314.634 \$	177.013.568 \$	132.830.596 \$	1.028.498.95
2	Existing Customer / Non-Expansion	Ψ	167,051,150	202,302,385	198,641,457	206,523,032	196,896,898	148,865,736 \$	1,120,280,65
3	Existing Customer / Non-Expansion		15,627,926	202,502,505	17,133,416	16,936,689	17,802,871	12,503,239 \$	100,028,68
4	Total	\$	322,411,504 \$	404,182,385	, ,	426,774,355 \$	391,713,338 \$	294,199,571 \$	2,248,808,30
5	SOS Contributions	ŝ	(15,627,926) \$	(20,024,547)	· · · · ·	(16,936,689) \$	(17,802,871) \$	(12,503,239)	(100,028,68
6	Net Funding Requirements - Existing	\$	306,783,578 \$	384,157,838		409,837,666 \$	373,910,466 \$	281,696,332 \$	2,148,779,61
7	Deferred Funding [1]	φ	(89,283,578)	(157,907,838)	(141,143,732)	(123,587,666)	(87,660,466)	4,553,668	(595,029,61
8	Net Funding Requirements - Existing	\$	217,500,000 \$	226,250,000	<u>5</u> 251,250,000 \$	286,250,000 \$	286,250,000 \$	286,250,000 \$	1,553,750,00
0	Net Funding Requirements - Existing	¢	217,500,000 \$	220,230,000	3 251,250,000 \$	280,230,000 \$	280,230,000 \$	280,230,000 \$	1,555,750,00
	Funding Sources:								
9	Rate Revenues	\$	13,242,784 \$	6,000,000	6,180,000 \$	6,365,400 \$	6,556,362 \$	6,753,053 \$	45,097,59
10	Rev & Op Fund - 69000 / 69010			-	-	-	-	-	,,.,.,
11	Availability Fee Fund - 69000A		-	-	-	-	-	-	
12	Construction (E&I) Fund - 69300		14,063,573	124,749,000	53,820,000	88,634,600	108,443,638	108,246,947	497,957,75
13	Construction (E&I) Fund - 69300A (Extensions)					-			
14	Bond Construction Fund - 69310		86,192,943	-	-	-	-	-	86,192,94
15	Grants / Contributions			-	-	-	_	-	
16	New Debt 1 - Existing		35,394,087	40,154,216	-	-	_	-	75,548,30
17	New Debt 1 - New		29,605,913	36,095,784	-	-	_	-	65,701,69
18	New Debt 1 - Oversizing Program		22,500,000	11,250,000			_		33,750,0
19	New Debt 2 - Existing		22,500,000	-	87.772.831	83,369,787	_		171,142,6
20	New Debt 2 - New		_		85,612,469	82,074,613	_	-	167,687,0
21	New Debt 2 - Oversizing Program		_		11,250,000	11,250,000			22,500,0
22	New Debt 2 - Oversizing Hogram					11,230,000	70,150,574	69,973,091	140,123,6
23	New Debt 3 - New		-	-		-	63,066,526	62,435,909	125,502,4
24	New Debt 3 - Oversizing Program		-	-	-	_	11,250,000	11,250,000	22,500,0
25	New Debt 4 - Existing - UOSA		8,919,261	4,324,847	3,575,499	-	11,250,000	11,250,000	16,819,6
23 26	New Debt 4 - New - UOSA		7,581,439	3,676,153	3,039,201	-	-	-	14,296,7
20 27	New Debt 4 - Oversizing Program		7,561,459	5,070,155	5,059,201	-	-	-	14,290,7
27 28	New Debt 4 - Oversizing Program New Debt 5 - Existing - UOSA		-	-	-	- 7,867,860	14 477 195	14,913,994	37,259,0
28 29	New Debt 5 - Existing - UOSA New Debt 5 - New - UOSA		-	-	-	· · ·	14,477,185	· · ·	31,670,4
29 30	New Debt 5 - New - UOSA New Debt 5 - Oversizing Program		-	-	-	6,687,740	12,305,715	12,677,006	31,070,4
	5 5		-	-	-	-	-	-	
31	New Debt 6 - Existing - UOSA New Debt 6 - New - UOSA		-	-	-	-	-	-	
32			-	-	-	-	-	-	
33	New Debt 6 - Oversizing Program		-	-	-	-	-	-	
34	New Debt 7 - Existing - UOSA		-	-	-	-	-	-	
35	New Debt 7 - New - UOSA		-	-	-	-	-	-	
36	New Debt 7 - Oversizing Program		-	-	-	-	-	-	
37	New Debt 8 - Existing - UOSA		-	-	-	-	-	-	
38	New Debt 8 - New - UOSA		-	-	-	-	-	-	
39	New Debt 8 - Oversizing Program		-	-	-	-	-	-	
40	New Debt 9 - Existing		-	-	-	-	-	-	
41	New Debt 9 - New		-	-	-	-	-	-	
42	New Debt 9 - Oversizing Program		-	-	-	-	-	-	
43	New Debt 10 - Existing		-	-	-	-	-	-	
44	New Debt 10 - New		-	-	-	-	-	-	
45	New Debt 10 - Oversizing Program		-	-	-	-	-	-	
46	Subordinate Debt - UOSA		-	-	-	-	-	-	
48	Total	¢	217,500,000 \$	226,250,000	6 251,250,000 \$	286,250,000 \$	286,250,000 \$	286,250,000 \$	1,553,750,0

Footnotes:

Based on discussions with WMP staff, certain capital improvements were deferred to reduce existing customer impacts and to recognize timing adjustments for the actual need of funds. UOSA is a Treatment by Contract provider (TBC) to the County and funds all jointly shared improvements through the issuance of additional indebtedness. [1]

[2]

### **Forecasted Statements of Flows of Financial Resources and Changes in Fund Balance**

Line						Pro	jected Fiscal Ye	ar Ei	nding June 30,				
No.			2024		2025	•	2026		2027		2028		2029
1	Beginning Balance [1]	\$	265,382,912	\$	333,409,375	\$	200,536,028	\$	433,609,462	\$	256,794,533	\$	404,791,852
2 3 4	<u>Operating Revenues:</u> Sewer Service Charges [2] Sales of Service (Bulk Revenue) Other Operating Revenues [3]	\$	249,903,039	\$	266,006,538	\$	283,005,648	\$	301,219,826 12,448,591 1,038,234	\$	320,555,083	\$	341,194,506
5	Subtotal Operating Revenues	11,14	\$262,081,925 3,886	11,5	\$278,560,391 17,779	11,97	\$296,015,977 73,177		\$314,706,651	12,9	\$334,538,164 43,761	13	\$355,697,248 ,462,329
6 7	<u>Non -Operating Revenues:</u> Proposed (New) Debt Proceeds [4] Additions to Debt Reserve Fund [4]	1,035 \$	5,000 191,500,700	1,030 \$	6,073 8,001,000	1,037 \$	7,152 367,944,400	\$	14,555,600	1,03 \$	9,321 314,909,000	1,0 \$	040,413 27,591,000
8 9	Availability Fees Unrestricted Interest Earned	\$	18,286,001	Ψ	18,895,975	Ψ	19,770,973	Ψ	20,446,046	*	21,331,985	*	22,015,343
10 11	Restricted Interest Income [5] Grants	\$1,58	89,299 862,000	\$	17,000	<b>2</b> 6,88	81,825 20,000	\$	20,000	<b>2</b> 0,9	28,421 21,000	\$	22,010,515
12	Subtotal	\$,579	9,0 <del>00</del> 6,816,999	\$,90	0,0001,813,975	<b>\$</b> ,641	1,000,258,199	<b>\$</b> ,33	38,0001,359,646	<b>\$</b> ,59	8,0003,788,406	8,7	788,00\$6,416,343
13	TOTAL FUNDS AVAILABLE	\$	754,281,836	\$	643,783,741	\$	916,810,203	\$	789,675,759	\$	955,121,103	\$	816,905,444
14 15 16	Operating Expenses Personnel Services Operating Expenses Recovered Costs	\$	45,541,780	\$	46,908,034	\$	48,315,275	\$	49,764,733	+	51,257,675	\$	52,795,405
17 18	TBC and Billing Agent Costs General Fund Transfer	42,20	05,437	41,74	40,257	42,88	88,789	44,(	)42,192		665,616)	46	,533,329
19 20	Operating Expense Adjustment Subtotal	<del>(50,02</del> 3,000	9 <b>4,140</b> ,193,393 0,000	Ψ	<b>57,449</b> ,695,172 0,000	Ψ	89, <b>947</b> ,462,064 0,000	3,00	9999 953, <b>152</b> ,312,176 00,000	\$6,7 3,00	11, <b>849</b> ,376,635 1,800,000 0,000	<del>(6</del> 8 \$ 3,(	8,5216,613
21 22	Capital Expenses by Funding Source Cash Reserves / Rate Revenues [6] Availability Charge Fund	\$	14,063,573	\$	124,749,000	§00,0	000 53,820,000	1,2( \$	00,000 88,634,600	\$	108,443,638	1,8 \$	354;000 ^{,951} 108,246,947
23 24 25	Existing Debt Proceeds New Debt Proceeds [7] Grant Funding	-		-							171,250,000		
26 27	Capital Outlay Subtotal	86,19 	22,943 000,700 217,500,000	<del>95,50</del> \$	<del>01,<u>998</u>,250,000</del>	<u>191,2</u> \$	250,000 251,250,000	<u>191</u> \$	,250,000 286,250,000	\$	286,250,000	17 \$	1,250,000
Footno	tes on Page 2 of 2	- 13,24	2,784	- 6,000	0,000	- 6,180	0,000	6,36	55,400	- 6,55	6,362	- 6,3	286,859,000

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## Table 12 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis

#### **Forecasted Statements of Flows of Financial Resources and Changes in Fund Balance**

28	Debt Service: Existing Senior Debt Service	\$	36,991,731	\$	36,976,929	\$	37,020,171	\$	37,010,629	\$	36,995,085	\$	31,357,802
29 30	Proposed Senior Debt Service [4] Existing Subordinate Debt Service								31,270,872 24,048,665				
30	Proposed Subordinate Debt Service [7]								24,048,005				
32	Subtotal	<b>3</b> .897. 23,290	32 <b>6</b> 3,179,068	\$1,589 23,747	,2 <b>94</b> ,302,542 ,430		80,0 <b>84</b> ,488,677 19,537	Ŷ	94,319,050	<b>3</b> 9,262 24,050	2 <b>,968</b> ,702,615 ),780		26, <b>309</b> ,045,190 56,302
33	TOTAL USE OF FUNDS	\$	420,872,461	\$,988,	3443,247,714	<b>\$</b> ,988	3,8443,200,742	\$ ^{1,98}	8532,881,226	<b>\$</b> ,394,	6 <b>§</b> <del>5</del> 0,329,250	<b>\$</b> ,394	1,6 <b>§</b> <del>7</del> 7,324,721
34	ENDING BALANCE BEFORE RESERVES	\$	333,409,375	\$	200,536,027	\$	433,609,462	\$	256,794,533	\$	404,791,853	\$	259,580,723
	<b>RESERVES / RESTRICTIONS:</b>	-											
35	Operating Reserve Target (150 Days)	\$	57,613,723	\$	58,641,851	\$	60,600,848	\$	62,594,045	\$	64,675,329	\$	66,587,479
36	Debt Reserve Balance												
37	Debt Proceeds									001	44,5994000		
38	Availability Charge Balance									90,	741;664000		
39	Sewer Construction Fund - 69300A [8]	48,609	,	48,609	,470	69,81	3,243	69,81	,			90,74	1,664
40	Subtotal	<b>§</b> 8,362	, <b>090</b> ,845,193	\$ 879,00	113,130,321 0	\$	313,269,643	\$ 919,0		\$	305,805,700	\$ 962,0	000
41	UNRESTRICTED ENDING BALANCE	\$ 260,0	0,0,35,564,182	\$ 000	2087,405,706	\$ 262	120,339,819	\$	117,942,859	\$ 789	7098,986,153	\$ 193	.346,262

Footnotes:

[1] Reflects starting fund balance, but is exclusive of funds held in the debt service sinking fund.

[2] Includes recommended rate adjustments as follows:

	Projected Fiscal Year Ending June 30,											
	2024		2025		2026		2027		2028			2029
		(Existing)	(Re	ecommended)	I)	Recommended)	(I	Recommended)	(	Recommended)	(R	lecommended)
Quarterly Base Charge	\$	44.81	\$	49.73	\$	52.62	\$	55.78	\$	59.08	\$	62.57
Flow Charge	\$	8.46	\$	8.81	\$	9.33	\$	9.88	\$	10.46	\$	11.08
Effective Rate Revenue Increase		n/a		5.9%		5.9%		5.9%		5.9%		5.9%
Effective Rate Revenue Increase		n/a		5.8%		5.9%		5.9%		5.9%		5.9%

[3] Represents other operating revenues from lateral spur fees, connection charges, miscellaneous revenues, sale of property, etc.

[4] Represents the proposed issuance of the Series 2024 UOSA Bonds, Series 2027 UOSA Bonds, and Series 2030 UOSA Bonds as well as the Series 2024 Bonds on or about July 1, 2023, the Series 2027 Bonds on or about July 1, 2026, and the Series 2030 Bonds on or about July 1, 2029. Terms assume 30 year level debt with proceeds to fund deposits to the debt service reserve fund.

[5] Includes Interest Income on debt proceeds and availability charge fund balances.

[6] Includes capital funding from rate revenues, E&I fund balances and operating reserves.

[7] Represents additional debt service from UOSA issued bonds on behalf of the County.

[8] Represents restricted funds held on balance within the SC Fund for line extensions.

#### Comparison of Typical Quarterly Residential Bills for Wastewater Service [1][2]

		Residential Service for a 5/8" or 3/4" Meter												
Line		Billing	0	2,000	4,000	5,000	8,000	10,000	12,000	16,000	18,000	20,000	30,000	40,000
No.	Description	Cycle	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons
	Fairfax County													
1	Existing Rates - FY24 [3]	Quarterly	\$44.81	\$61.73	\$78.65	\$87.11	\$112.49	\$129.41	\$146.33	\$180.17	\$197.09	\$214.01	\$298.61	\$383.21
2	Proposed Rates - FY25 [3]	Quarterly	49.73	67.35	84.97	93.78	120.21	137.83	155.45	190.69	208.31	225.93	314.03	402.13
	Other Neighboring Utilities:	_												
3	City of Alexandria [3][4][5]	Monthly	41.55	70.19	98.83	113.15	156.11	184.75	213.39	270.67	299.31	327.95	471.15	614.35
4	Arlington County	Quarterly	13.52	32.74	51.96	61.57	90.40	109.62	128.84	167.28	186.50	205.72	301.82	397.92
5	DCWASA [4][6]	Monthly	77.21	109.56	141.91	158.08	206.61	238.96	271.31	336.01	368.36	400.71	562.46	724.21
6	Loudoun Water [4]	Quarterly	116.82	128.00	139.18	144.77	161.54	172.72	183.90	206.26	217.44	228.62	284.52	340.42
7	Prince William County S.A. [3][4]	Monthly	37.65	51.35	65.05	71.90	92.45	106.15	119.85	147.25	160.95	174.65	243.15	311.65
8	Washington Suburban Sanitary Commission [4][7]	Quarterly	30.39	47.73	65.07	73.74	107.43	126.69	145.95	223.83	248.01	272.19	509.49	669.19
9	Other Neighboring Virginia Utilities' Average		\$52.86	\$73.26	\$93.67	\$103.87	\$135.76	\$156.48	\$177.21	\$225.22	\$246.76	\$268.31	\$395.43	\$509.62

Footnotes:

[1] Unless otherwise noted, amounts shown reflect residential rates in effect October, 2023 and are exclusive of taxes or franchise fees, if any, and do not include any surcharges for service rendered outside the corporate limits of the local jurisdiction, for specific capital improvements or for any other purpose. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.

[2] It should be noted that utilities may differ as to the term of billing period (e.g., monthly billing) and units of measurement (e.g., ccf) used in order to determine the respective utility customer's wastewater bill. For purposes of this comparison, all bills shown have been adjusted to match bills rendered on a monthly basis and recognized in units of gallons.

[3] Unless otherwise noted, utilities shown cap the wastewater user charge based on a customers metered water use during the winter months (referred to as a "billing cap"). While the billing cap may vary by customer and by utility, for comparison purposes the billing cap was not reflected in order to present the potential wastewater bill for residential customers that may have higher use than the typical residential customer.

[4] Utilities shown bill a fixed cost or base charge per billing period per respective account or meter.

[5] Alexandria Renew Enterprises provides wastewater treatment services, while the City provides wastewater collection services. Alexandria Renew Enterprises incorporates a sewer billing cap, however the City does not and no cap was applied in calculation of the City's charges for this comparison.

[6] Amounts shown assumes: i) the Clean Rivers Impervious Area Charge of \$21.86 per month associated with runoff entering the sewer system; ii) a 50% allocation of the \$7.75 metering fee; iii) a 50% allocation of the a Right-of-Way fee to the District of Columbia of \$0.25 per 1,000 gallons; iv) 50% allocation of the PILOT fee charged to water and wastewater customers of \$0.82 per 1,000 gallons; and v) the residential wastewater flow charge of \$15.64 per 1,000 gallons.

[7] The Washington Suburban Sanitary Commission ("WSSC") bills customers of the utility by calculating the respective customer's average daily flow of use, which is in turn used to determine the variable rate charged to the customer. The calculated bill assumes 5,333 gallons per month or approximately 175 gallons per day. Amounts shown assume a 50% allocation of the quarterly Account Maintenance fee of \$18.23 and a \$12.54 infrastructure fee. Amounts shown also include a Bay Restoration Fee of \$5.00 per month.

#### Table 14 Fairfax County Wastewater Management Fiscal Year 2024 Availability Charge Study

#### Calculation of Weighted Cost by Treatment Facility per MGD of Reserved Capacity

	-			Treatment by Contract				
Line No.	Description	Upper Occoquan Service Authority (UOSA)	Blue Plains Advanced Wastewater Treatment Plant - DC Water (Blue Plains)	Alexandria Renew Enterprises (ARE)	Arlington County Water Pollution Control Plant (Arlington)	Loudon County Sanitation Authority	Noman Cole (Fairfax County)	Total
	WASTEWATER TREATMENT							
1	Gross Fixed Capacity Rights / Assets [1]	\$341,231,346	\$343,412,799	\$406,346,261	\$53,324,936	\$20,942,294	\$850,527,547	\$2,015,785,184
2	Less Fixed Asset Allocation to SOS Customers (Dont Direct Pay C	(15,440,332)	n/a	n/a	n/a	n/a	(50,777,764)	(66,218,096)
3	Less Donated Assets	n/a	n/a	n/a	n/a	n/a	(24,837)	(24,837)
4	Plus 10 Year CIP CIP (Inflated) [3]	268,718,050	248,904,226	299,148,963	19,381,000	0	392,637,881	1,228,790,120
5	Less Allowance for Retirements for CIP	n/a	n/a	n/a	n/a	n/a	(145,276,016)	(145,276,016)
6	Plus Land, Easements, and CWIP	n/a	n/a	n/a	n/a	n/a	171,146,361	171,146,361
7	Total	\$594,509,064	\$592,317,025	\$705,495,224	\$72,705,936	\$20,942,294	\$1,218,233,173	\$3,204,202,716
8	Total Reserved Capacity (MGD)	22.10	31.00	32.40	3.00	1.00	67.00	156.50
9	Sales of Service Reservations (MGD) [4]	(1.00)	(4.80)	(1.00)	0.00 3.00	0.00	(9.45)	(16.25)
10	Net Retail Reservations	21.10 0.00	26.20	31.40 0.00	3.00	1.00	57.55	140.25 0.00
11	Less Reserved Capacity for Reliability (MGD)							
12	Net Reliable Retail Capacity (MGD)	21.10	26.20	31.40	3.00	1.00	57.55	140.25
13	Cost per GPD of Reliable Capacity (Line 7 / \$1,000,000 / Line 12)	\$28.18	\$22.61	\$22.47	\$24.24	\$20.94	\$21.17	\$139.60
14	Other Adjustments [5]	(\$5.29) \$22.89	0.00	0.00 \$22.47	0.00	0.00	<u> </u>	(5.29)
15	Adjusted Cost per GPD of Reliable Capacity	\$22.89	\$22.61	\$22.47	\$24.24	\$20.94	\$21.17	\$134.31
16	Retail Customers Annual Treated Flows (10yr Max kgal) [6]	5,270,965	9,750,610	7,447,460	854,830	0	13,317,755	36,641,620
17	Retail Customers Annual Treated Flows (ADF-MGD)	14.44	26.71	20.40	2.34	0.00	36.49	100.39
18	Remaining Reliable Retail Capacity (MGD) (Line 12 - Line 17)	6.66	0.00	11.00	0.66	1.00	21.06	40.38
19	Capacity as % of Total Remaining Capacity	16.49%	0.00%	27.23%	1.63%	2.48%	52.17%	100.00%
20	Weighted cost of Reliable Capacity for Retail Customers	\$3.77	\$0.00	\$6.12	\$0.39	\$0.52	\$11.04	\$21.84
	WASTEWATER NON-TREATMENT							
21	Gross Fixed Capacity Rights / Assets [1]	\$4,434,649	\$0	\$5,893,325	\$0	\$0	\$978,642,147	\$988,970,121
22	Less Donated Assets	n/a	n/a	n/a	n/a	n/a	(234,124,715)	(234,124,715
23	Less Grants	n/a 0	n/a 0	n/a 0	n/a 0	n/a 0	0 1,760,564,575	) 1,760,564,575
24 25	Plus 10 Year CIP CIP (Inflated) [3] Less Allowance for Retirements for CIP	n/a	n/a	n/a	n/a	n/a	(651,408,893)	(651,408,893)
23 26	Plus Land, Easements, and CWIP	n/a	n/a	n/a	n/a n/a	n/a	83.966.605	83,966,605
20 27	Total	\$4,434,649	\$0	\$5,893,325	\$0	\$0	\$1,937,639,719	\$1,947,967,693
28	Net Reliable Retail Reservations (MGD)							140.25
28 29	Cost per MGD of Capacity							\$13.89
29	cost per more or capacity							
30	Treatment and Transmission Cost per MGD of Capacity							\$35.73

Footnotes:

[6] The flows shown above are the 10 year max treated flows.

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^[1] Amounts shown provided by the County and are booked net of the Sale of Service customers that make direct capital contributions.

^[2] Reflects adjustment to remove SOS customer allocations that do not make direct capital contribution payments to the County (i.e., paid via rates)

^[3] Amounts shown reflect the County's most recent CIP and include treatment and transmission projects only.

^[4] Amounts shown represent reserved capacity for Sale of Service customers

^[5] The adjustment shown is the to show the most recent cost of capacity as calculated by UOSA using an incremental approach while all other costs were calculated using the buy in method.

## Table 15

## Fairfax County Wastewater Management Fiscal Year 2024 Availability Charge Study

## Summary of Calculated and Existing Availability Fees

Line		
No.	Description	Fee
	Existing Availability Fee:	
1	LOS GPD Basis	¢21.64
1	Fee (\$ per GPD)	\$31.64
2 3	Level of Service (per GPD)	280
3	Fee (\$ per ERC)	\$8,860.00
	Fixture Unit Basis	
4	Fixture Units	20.00
5	Fee per fixture Unit	\$443.00
6	Existing Fee	\$8,860.00
	Calculated Availability Fee:	
7	Net Assets / CIP (\$ per GPD)	\$35.73
8	Level of Service (per GPD)	280
9	Fee (\$ per ERC)	\$10,004.19
	Carrying Costs:	
10	Years of Carry Cost	5.0
11	Current Weighted Cost of Capital	4.29%
12	Carry Cost (\$ per ERC)	\$2,147.32
13	Carry Cost (\$ per GPD)	\$7.67
	Total Calculated Fee	
14	Per ERC	\$12,151.51
15	Per GPD	\$43.40
	Total Calculated Fee (Rounded Down)	
16	Per ERC	\$12,150.00
17	Per GPD	\$43.39
18	Per Fixture Unit	\$607.50
	Difference to Existing Fee:	
19	Change in Fee per GPD - Amount	\$11.75
20	Change in Fee per GPD - Percent	37.13%
	8 1	
21	Change in Fee per Fixture Unit - Amount	\$164.50
22	Change in Fee per Fixture Unit - Percent	37.13%
23	Change in LOS (per GPD) - Amount	0
24	Change in LOS (per GPD) - Percent	0.00%
25	Change in Fee per ERC - Amount	\$3,290.00
26	Change in Fee per ERC - Percent	37.13%

# Table 16Fairfaix County, VirginiaComparison of Availability Fee Charges for Equivalent Residential Unit [1]

Line		Residential 5/8" x 3/4" Meter
No.	Description	Wastewater
	Fairfax County	
1	Existing Availability Fee	\$8,860
2	Recommended Availability Fee	\$9,038
	Other Surveyed Virginia Utilities:	_
3	City of Alexandria	\$9,446
4	Arlington County [2]	\$3,720
5	DCWASA	\$2,809
6	Loudoun Water	\$9,241
7	Prince William County S.A.	\$11,200
8	Washington Suburban Sanitary Commission [3]	\$14,500
9	Washington Suburban Sanitary Commission (Unimproved) [3]	\$6,500
10	Other Surveyed Virginia Utilities' Average	\$8,202

Footnotes:

[2] Impact Fee for Arlington County assumes 24 fixture units (DFU's) per Single Family Residential Unit at a cost of \$155/DFU.

[3] WSSC charges a separate availability fees for areas designated as unimproved or "improved".

^[1] Unless otherwise noted, amounts shown reflect residential rates in effect October 2023 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for comparison purposes only.