FAIRFAX COUNTY Wastewater Management Program

Wastewater Rate Study for Fiscal Year 2024 Through Fiscal Year 2029

Final Report / December 1, 2023







December 1, 2023

Ms. Ellie Codding, P.E. Deputy Director Fairfax County – DPWES 12000 Government Center Parkway, Suite 358 Fairfax, VA 22035-0058

Subject: 2024 Wastewater Revenue Sufficiency and Rate Analysis

Dear Ms. Codding:

Raftelis Financial Consultants, Inc. ("Raftelis") has completed our study of the sufficiency of the existing and adopted wastewater rates and availability charge revenues (the "Study") for the Wastewater Management Program ("WMP") of Fairfax County, Virginia (the "County") and has summarized the results of our analyses, assumptions, conclusions, and recommendations in this report (the "Report") that is submitted for your consideration. This Report presents our analyses and assumptions and summarizes the basis for the recommended rates and availability charges for wastewater services that are considered necessary to meet the estimated near-term expenditure and funding requirements of the wastewater utility system (the "System"). The Study period recognized for the rate evaluation encompassed the current Fiscal Year 2024 and the subsequent five- (5) fiscal year period ending June 30, 2029 (collectively, the "Forecast Period").

The proposed wastewater utility rates and charges are intended to meet a number of goals and objectives. The most important objective of the Study was to develop proposed wastewater utility rates and service availability charges that fully recover the identified expenditure and funding requirements of the System to maintain sound financial operations and finance the anticipated capital needs of the System. The other goals and objectives considered in the study include:

- Wastewater rates should be based on cost of service (full cost recovery) principles;
- Wastewater rates should be reasonable among customer classes;
- Wastewater rates should comply with the covenants as required by the resolutions loan agreements adopted by the Board of Supervisors of the County (the "Board") associated with the financing of capital improvements to the System;
- Wastewater rates should comply with requirements associated with adopted County fiscal policies and utility best management practices attributable to the wastewater utility system;
- Proposed wastewater rates should promote the System financial creditworthiness and provide adequate reserves for System emergencies and unforeseen capital needs; and

Ms. Ellie Codding, P.E. Fairfax County – DPWES December 1, 2023 Page 2

• Service availability charges should reasonably recover the allocable cost of wastewater treatment and backbone transmission / collection infrastructure costs from new customers to promote the policy of growth paying for growth (i.e., not funded by existing customers).

The Report following this letter summarizes the findings, results, and recommendations of this Study. The Report also provides additional details regarding the rate and financial analyses conducted on behalf of the County. The recommended rates for wastewater service are based on the recovery of the total costs anticipated for the County's wastewater utility service area and overall capacity needs of the System. As such, the recommended rates and charges are considered by Raftelis to be reasonable and to reflect the estimated cost of providing service. We appreciate the opportunity to be of service to the County.

Respectfully submitted,

RAFTELIS FINANCIAL CONSULTANTS, INC.

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Robert J. Ori *Executive Vice President*

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RJO/dlc Attachments

Table of Contents

EXECUTIVE SUMMARY

General	1
Fiscal Year 2023 Results Summary	2
Fiscal Year 2024 and 2025 Forecast Snapshot	3
Principal Findings, Assumptions and Recommendations	3
REVENUE FORECAST	
EXPENDITURE FORECAST	5
RISK AND FORECAST SENSITIVITY	7
FINDINGS AND RECOMMENDATIONS	8
Introduction	1
Fiscal Year 2023 Results	4
Projected Financial Results	6
KEY CONSIDERATIONS AND ASSUMPTIONS REGARDING PROJECTED OPERATING RESULTS	8
FIXED COST RECOVERY	27
RESIDENTIAL CUSTOMER IMPACT AND SEWER CHARGE RATE COMPARISON	28
PRIMARY REASONS FOR RATE ADJUSTMENTS	29
Debt Service Coverage and Covenant Compliance	30
Projected Financial Position and Performance Measures	33
NET REVENUE MARGIN RATIO	33
ALL-IN DEBT SERVICE COVERAGE	34
AVAILABLE WORKING CAPITAL AND CASH BALANCES	36
FREE CASH TO DEPRECIATION RATIO	38
NET OUTSTANDING DEBT PER ERU	39
DEBT OUTSTANDING TO NET PLANT INVESTMENT (DEBT) RATIO	40
Availability Charge Evaluation	41
METHODOLOGY AND FEE CALCULATION	41
Conclusions and Recommendations	46

List of Tables and Appendices

Table No.	Description
1	Summary of Implied Historical Customer Billing Statistics
2	Summary of Projected Customer Billing Statistics
3	Projection of Operating Expenses
4	Projection of Operating Expenses for Treatment by Contract (TBC)
5	Historical and Projected Sales of Service (Bulk Sales) and Other Revenue
6	Development of Wastewater System Revenue Requirements and Revenue Sufficiency
7	Projected Operating Results and Debt Service Coverage Analysis
8	Summary of Debt Service Payments – Outstanding and Additional Debt
9	Projected Fund Balances and Interest Income Determination
10	Allocated Ten-year Estimated Capital Improvement Program for the Wastewater System (in \$000s)
10A	Allocated Six-year Estimated Capital Improvement Program for the Wastewater System (in \$000s) – Includes UOSA Payments
11	Funding Sources for the Allocated Ten-year Estimated Capital Improvement Program for the Wastewater System (in \$000s)
12	Forecasted Statements of Flows of Financial Resources and Changes in Fund Balance
13	Comparison of Typical Quarterly Residential Bills for Wastewater Service
14	Calculation of Weighted Cost by Treatment Facility per MGD of Reserved Capacity
15	Summary of Existing and Calculated Availability Fees
16	Comparison of Availability Fee Charges for Equivalent Residential Unit

EXECUTIVE SUMMARY

FAIRFAX COUNTY WASTEWATER MANAGEMENT PROGRAM

2024 WASTEWATER REVENUE SUFFICIENCY AND RATE ANALYSIS

EXECUTIVE SUMMARY

General

The objective of the Fairfax County Wastewater Management Program ("WMP") is to protect and enhance the environment and provide for the health, safety, and well-being of those who work, live, and visit in Fairfax County. The WMP is committed to the following principles:

- Comply with or surpass all regulatory requirements regarding the treatment and disposal of wastewater;
- Seek continual improvement by embracing opportunities and challenges of technological advancement, best management practices, regionalization, and training;
- Strive to eliminate negative environmental impacts through community involvement and engagement, pollution prevention, and employee training; and
- Establish open and consistent communication through employee and community partnerships.

Recognizing the above, the mission of the WMP is to collect, treat and monitor wastewater in compliance with all regulatory requirements, using state-of-the-art technology in the most effective manner for the benefit of our residents. Financial management and planning are integral to the mission of the WMP recognizing that revenues from rates, fees and charges should be sustainable to fully finance the expenditure and funding requirements of the wastewater utility system (the "System"). As part of the management planning cycle, the WMP annually updates and evaluates the financial projections of System operations, cash balances, and fiscal position in order to assess, among other things, the adequacy of the rates, fees and charges to meet: i) future or planned funding requirements for operations and capital investment; ii) compliance with financial policies and required rate (debt) covenants as delineated in the General Bond Resolution adopted by the Board on July 29, 1985, as subsequently amended and restated from time to time (the "General Bond Resolution") that authorized the issuance of the County's outstanding senior lien bonds and the covenants of the Virginia Resources Authority ("VRA") Financing Agreement between the County and the Virginia Water Facilities Revolving Fund administered by the VRA associated with the issuance of the outstanding subordinate lien bonds; and iii) certain financial targets selected to monitor financial performance and to maintain / promote the overall long-term creditworthiness of the utility. The basis for the financial forecast relied upon a review of the recent historical revenues, expenses, and customer billing / sales records to identify recent trends, the adopted budget and planned capital improvements, a desktop analysis of the utility plant-in-service lives, as well as information provided by others (e.g., treatment-by-contract providers) associated with long-term capital reinvestment funding needs, and discussions with WMP staff. The financial forecast is developed with a conservative outlook of the utility's financial performance and considers, among other things, estimated external conditions affecting future costs such as projections of near-term and long-term inflation as reported by the Congressional Budget Office, industry trends in construction costs as reported by Engineering News Record, changes in operations, and financial effects of regulations, such as the Clean Water Act and the Chesapeake Bay Program, among other things.

The County recently revised the "Statement of Policy Regarding Sewage Disposal" policy on December 6, 2022. Included within this policy is the ability of the County to reimburse the developer for the entire cost

of the wastewater line that needs to be enlarged with exception to the capacity required by the developer for their project. The policy will reimburse the developer for a pro rata portion of the cost to oversized wastewater conveyance infrastructure as required by the comprehensive plan ("Reimbursement Policy"). Raftelis developed a technical memorandum with more detail on this policy which can be found in Appendix B of the report.

Fiscal Year 2023 Results Summary

WMP continuously tracks and reviews prior financial forecasts relative to actual results and makes considerations for the findings in the financial and rate planning process for the Forecast Period. For the most recently completed Fiscal Year 2023, WMP observed net revenues and investment income outperforming the corresponding financial projections for such Fiscal Year by \$2.4 million or 0.95% of gross revenues (excluding availability fees). The differences were primarily due to: i) higher than forecasted investment income; and ii) lower operating expenses than previously forecasted.

Availability Charge revenues received by the County, which are the result of the application of a one-time fee to new development (not a recurring revenue from the customer) requesting capacity, were approximately \$23.5 million for the Fiscal Year 2023, which was \$7.1 million more than the \$16.4 million recognized for the last financial forecast. The variance could be due to an increase in construction due to higher demand since the pause during the pandemic. It should be noted that the determination of Wastewater Service Availability Charge ("Availability Charge") revenues is solely dependent on new capacity requests and can significantly vary from year to year based on the timing of growth and the payments for the request of capacity. Because the Availability Charge revenue represents non-recurring revenue from a customer service or payment basis (only paid once) and to develop an attainable revenue forecast, the projection of Availability Charge revenues has been conservatively made. To the extent actual revenues are higher than forecasted, they are recognized as a source of funds for the development of the capital improvement funding plan.

The total debt service payments expressed on an "as-paid" basis (when payments are made to investors from amounts on deposit in the Debt Service Subfund which generally forms the basis for financial reporting) were approximately \$54.8 million or \$4.7 million less than what was forecasted in the 2023 Report. The variance was primarily due to timing differences in the funding of the Debt Service Requirement on an "accrual basis" (when deposits from System revenues are made to the Debt Service Subfund which typically relates to the establishment of the revenue requirements funded from rates) when compared to the requirement expressed on an "as-paid" basis.

The growth in gross plant-in-service for the Fiscal Year 2023 (which includes construction-work-in-progress), less developer contributions and grant funding, was approximately \$136 million as reported in the County's financial statements, which was \$24 million less than what was anticipated to be spent (funded from rate revenues) during such fiscal year as referenced in the 2023 Report. The lower level of spending is attributable to the variance in timing from the appropriation of funds for capital expenditures and when the actual expenditures occur from such project fund appropriations. Therefore, unspent appropriations as of the end of Fiscal Year 2023 are expected to carry-over to the Fiscal Year 2024 (recognized as a component for the Forecast Period capital plan); this will result in a greater beginning net position for the current forecast and may also affect investment income projections.

Overall, WMP began the Fiscal Year 2024 with a higher cash reserve / liquidity balance than previously forecasted primarily due to: i) delayed timing in capital expenditures; and ii) greater net revenues due to lower than expected operating costs. For more detail concerning the actual operating results please reference the Fiscal Year 2023 Results in subsequent sections of this report (pages 4-6).

Fiscal Year 2024 and 2025 Forecast Snapshot

Fiscal Year 2024 and 2025 forecast is based among other things, the Fiscal Year 2023 actual results and the Fiscal Year 2024 Budget. It also includes the most recent Board-approved rates, including the currently effective rates for the Fiscal Year 2024. The table below gives a summary of the key financial operating revenues and operating expenses of the System:

Fiscal Year 2024 and 2025 Financial Forecast Snapshot

2024 2025 **Operating Revenues** Flow Charge Revenues \$188,997,835 \$198,010,702 **Base Charge Revenues** 60,905,204 67,995,836 Sales of Service Revenues 11,143,886 11,517,779 **Other Miscellaneous Charges** 775,000 775,000 Service Availability Charges [2] 18,286,001 18,895,975 Investment Earnings 4,579,000 4,900,000 Operating Revenues and Investment Earnings [3] \$284,686,925 \$302,095,292 **Operating Expenses** Labor \$45,541,780 \$46,908,034 Elec / Chem / Fuel / Util 8,753,372 9,344,248 Repair and Maintenance 4,499,893 4,273,278 Treatment by Contract 50,044,186 51,661,410 **Billing Agent** 7,011,873 7,202,762 Other Operating Expenditures 24,342,289 23,305,440 **Total Operating Expenditures** \$140,193,393 \$142,695,172

 Represents forecast prepared and presented in the 2024 Report and was based on Fiscal Year 2024 Budget and actual Fiscal Years 2023 operating results. Amounts shown exclude receipt of grant proceeds.

[2] Reflects Availability Charges received by WMP. Amounts shown do not include any contributed property donations which are received by the County and reflect direct capital additions to the System.
 [3] Includes charges for service, sales of service (wholesale sales), and other operating revenues. Additionally, the amounts shown include interest income on available fund balances.

Principal Findings, Assumptions and Recommendations

As previously mentioned, the development of the financial forecast relied upon certain information such as recent financial reports, customer billing statistics, adopted budgets, year-to-date results, projected capital expenditure requirements (including carry-over capital appropriations) and associated funding requirements, as well as certain assumptions concerning the forecast as discussed in greater detail throughout this report, which should be read in its entirety. The forecast also relies upon information and projections of operations and capital funding requirements as provided by the County's contract wastewater treatment providers, which include Alexandria Renew Enterprises (a.k.a., the Alexandria Sanitation Authority), Arlington County, District of Columbia Water and Sewer Authority ("DCWASA"), Loudoun Water, and the Upper Occoquan Service Authority ("UOSA") (collectively, the "Contract Providers" or "TBC"). The following provides a summary of key findings and assumptions:

REVENUE FORECAST

- The System primarily generates revenues from: i) ongoing or recurring charges for wastewater service (user charges) from existing retail and wholesale customers; and ii) Availability Charges related to one-time (non-recurring) revenues from new customer growth or development. For the Fiscal Year 2023 the utility generated approximately \$241.5 million in user charges from retail and wholesale customers. In addition to the reported user charges, WMP reported approximately \$23.8 million in growth-related Availability Charges were received (realized). These two revenue sources account for the majority or 99% of gross revenues for the System, with the remaining revenues derived from investment earnings and other operating revenues reported at approximately \$1.6 million. Overall, the County reported approximately \$272.8 million in gross revenues and income during Fiscal Year 2023.
- The revenue forecast assumes an annual average 0.5% growth rate in retail customers served and billed flows above actual Fiscal Year 2023 billing statistics. Availability Charge receipts, which represent revenues from non-recurring charges, were assumed at a conservative \$18.3 million for the Fiscal Year 2024 and then increased to average \$20.5 million for the remainder of the Forecast Period to align more with the historical collections (which supports the continued growth assumption of the System). Overall gross revenues were assumed to grow above Fiscal Year 2024 estimates by approximately 6.2% annually which is primarily due to i) the assumed implementation of the recommended annual retail customer rate adjustments, which are indicated below; and ii) the continuation of System growth in customers served:

	Fiscal Year Ending June 30,					
	Existing	-	R	ecommended [1]	_
Description	2024	2025	2026	2027	2028	2029
Currently Approved Rates:						
Quarterly Base Charge	\$44.81	\$49.73	\$52.62	\$55.41	\$58.35	N/A
Flow Charge	\$8.46	\$8.81	\$9.33	\$9.83	\$10.35	N/A
Rate Revenue Adjustment:						
Effective Increase [2]	6.2%	5.9%	5.9%	5.5%	5.3%	1.3%
Annualized Increase [3]	6.2%	5.8%	5.9%	5.3%	5.3%	0.0%
Recommended Rates:						
Quarterly Base Charge	\$44.68	\$49.51	\$52.31	\$55.36	\$58.55	\$61.92
Incremental Base Charge Increase [4]	<u>0.13</u>	<u>0.22</u>	<u>0.31</u>	<u>0.42</u>	<u>0.53</u>	<u>0.65</u>
Quarterly Base Charge (w/Oversizing)	\$44.81	\$49.73	\$52.62	\$55.78	\$59.08	\$62.57
Flow Charge	\$8.43	\$8.77	\$9.27	\$9.81	\$10.37	\$10.96
Incremental Flow Charge Increase [4]	0.03	0.04	0.06	<u>0.07</u>	0.09	<u>0.12</u>
Flow Charge (w/Oversizing)	\$8.46	\$8.81	\$9.33	\$9.88	\$10.46	\$11.08
Rate Revenue Adjustment:						
Effective Increase [2]	6.2%	5.9%	5.9%	5.9%	5.9%	5.9%
Annualized Increase [3]	6.2%	5.8%	5.9%	5.9%	5.9%	5.9%

[1] Rates shown for Fiscal Years 2024 through 2029 represent the continuation of rate adjustments that were previously approved by the Board during Fiscal Year 2023 (as part of the ongoing five- (5) year rate adoption process as employed by the Board) absent the adjustment for implementation of the Reimbursement Policy.

[2] Amounts shown reflect the projected effective revenue increase as applied to projected customer billing statistics assuming rates are in effect for nine (9) months of the Fiscal Year. The County recognizes rate adjustments to service rendered effective July 1st of each fiscal year (e.g., bills rendered during the first quarter of the Fiscal Year relate to service provided during a portion of the prior fiscal year).

[3] Amounts shown reflect the annualized rate revenue increase based on rate increases assumed for an annualized 12-month period as applied to projected customer billing statistics.

[4] The incremental base charge adjustment is associated with the developer oversizing increase due to the Reimbursement Policy revised by the County during the Fiscal Year 2023.

As can be seen above, the recommended rates for the Fiscal Year 2025 are consistent with the rates previously adopted by the Board pursuant to the 2023 rate analysis. The recommended rates for Fiscal Years 2026 through 2029 are slightly higher than previously adopted rates. This is primarily due to an increase in operating expenditures due to higher-than-normal inflationary costs, and higher capital improvement program costs.

EXPENDITURE FORECAST

• The total expenditures and funding needs of the System funded from the utility revenues (referred to as the "Gross Revenue Requirements") can be primarily categorized as follows: i) operating and maintenance expenses accounting for 45% of the Gross Revenue Requirements; ii) annual debt service payments accounting for 27% of the Gross Revenue Requirements; and iii) transfers for maintaining minimum cash reserves and for funding capital re-investment (utility plant renewals, replacements, upgrades, and betterments) accounting for approximately 28% of the Gross Revenue Requirements.

- The Fiscal Year 2024 operating budget served as the baseline of the financial forecast of operating expenses. With respect to the escalation of such costs, the System has observed average annual growth in operating expenses of approximately 4.5% per year since the Fiscal Year 2019 due primarily to higher inflation allowances when compared to prior historical periods coupled with continued System growth. The projection of the operating and maintenance expenses assumes a slightly lower rate of change in such expenses at 3.0% which is primarily due to: i) average annual growth in Treatment by Contract ("TBC") provider expenses of 1.8% annually based on forecasts of wastewater treated flows and information reported by the individual TBC providers, which account for approximately 36% of total operating expenses; ii) assumed average annual increases in personnel salaries and benefit expenses of 3.7% above budgeted Fiscal Year 2024 amounts to account for cost-of-living adjustments, additional personnel, and inflation of employee benefits (e.g., health insurance) representing approximately 33% of total operating expenses; and iii) escalation of remaining expenses employing varying factors for electricity, chemicals, System growth, general inflation, etc. resulting in an average annual increase of 2.0% and representing 29% of the total operating expenses.
- With respect to existing indebtedness, as of June 30, 2023, the System had approximately \$703.2 million in the principal amount of debt outstanding, which includes approximately \$226 million in subordinated debt issued by UOSA which is allocable to the County and is net of approximately 18 million in debt service reserve funds. The debt outstanding including the debt service reserve funds would be approximately \$721.4 million dollars which is consistent with the principal outstanding within the 2023 Annual Comprehensive Financial Report. The annual debt service payments for the Fiscal Year 2023 were approximately \$54.8 million expressed on an "as-paid" basis. The outstanding debt was issued to finance capital improvements to the System or for the acquisition of wastewater treatment capacity rights from the County's TBC providers.
- WMP has identified approximately \$2.2 billion in both County-owned wastewater and TBC capital projects for the next six (6) fiscal years (i.e., Fiscal Years 2024 through 2029) (the "CIP"). Approximately \$462.9 million or 21% of the estimated CIP is associated with TBC capital funding requirements, which the County has no control relative to the timing or amount of such expenditures. The identified funding also includes approximately \$45.1 million for departmental (operating) capital outlay related to the purchase of vehicles, equipment, and other short-lived assets (commonly referred to as General Plant). Based on discussions with WMP staff, it is anticipated that a portion of the identified capital funding requirements (projects managed by WMP for County-owned infrastructure) may be deferred from the timing as presented in the CIP later in or possibly after the Forecast Period due to timing of initiation and duration of construction for such projects; including the ability to manage the capital plan internally by the County. The financial forecast assumes approximately \$595.0 million or 26.5% of the identified CIP will be deferred beyond the Fiscal Year 2029 resulting in a net amount of total capital funding reflected in the financial forecast at \$1.55 billion and at \$1.45 billion to be funded from retail rates after netting the forecasted Sales of Service (wholesale) customer capital contributions and oversizing program capital contributions. Average retail customer capital spending (realized use of funds) is estimated at approximately \$258.9 million a year.
- With respect to financing the capital program, approximately 40.5% or \$629.25 million of the total capital expenditure requirements are anticipated to be funded from internal sources (includes unspent bond proceeds obtained from previously issued debt) and contributions from Sales of Service (wholesale) customers. The forecast assumes much of the funding to be derived from net annual operating revenues (i.e., capital re-investment from rates) and Availability Charges used to pay debt totaling approximately \$684.1 million, which averages approximately \$114 million per year during the Forecast Period.

• The funding of the remaining 59.5% or approximately \$924.5 million of the identified capital improvement program for the Forecast Period is assumed to be from the issuance of additional parity bonds. The following table summarizes the principal amount of bonds assumed to be issued and the corresponding estimated annual debt service payments on such additional bonds (the "Additional Bonds"). The following is a summary of the anticipated additional debt assumed to be issued by or on behalf of the County during the Forecast Period.

	Additional Senior Lien / Parity Debt [2]			Additional S UOSA I		
	Series 2024	Series 2026	Series 2028	Series 2024	Series 2027	Total
Principal Amount	\$188,776,799	\$393,631,471	\$313,380,000	\$32,915,955	\$72,915,900	\$1,001,620,125
Deposit to Construction Fund [4]	175,000,000	361,329,700	288,126,100	31,116,400	68,929,500	\$924,501,700
Issuance Date (On or About)	4/1/2024	1/1/2026	1/1/2028	7/1/2023	7/1/2026	
Fiscal Year of Final Maturity	2054	2056	2058	2054	2057	
Annual Debt Service Payment:						
2024	\$2,897,325	\$0	\$0	\$0	\$0	\$2,897,325
2025	11,589,299	0	0	1,988,884	0	\$13,578,183
2026	11,589,299	9,840,787	0	1,988,884	0	\$23,418,970
2027	11,589,299	19,681,574	0	1,988,884	0	\$33,259,757
2028	11,589,299	19,681,574	7,991,190	1,988,884	4,405,804	\$45,656,751
2029	11,589,299	23,281,699	18,455,400	1,988,884	4,405,804	\$59,721,086

Proposed Additional Indebtedness – for the Forecast Period [1]

[1] Amounts reflect additional senior lien parity bonds assumed to be issued by the County and subordinated indebtedness issued by UOSA on behalf of (allocable to) the County.

[2] Amounts shown were based on financing plan of the CIP recognized for the Forecast Period and assume level debt service payments based on a 30-year repayment term, 1.5% of the total principal amount borrowed associated with cost of issuance, and an average annual interest rate ranging from 4.5% to 5.2% based on assumptions provided by the County's Debt Manager.

[3] Amounts shown for UOSA were based on prior debt issuances of UOSA allocated to the County and assume a 30-year repayment term, 1.5% issuance cost, a 4.2% average annual interest rate with one- (1) year of capitalized interest (i.e., funded from bond proceeds).

[4] Amounts represent the amount of bond proceeds available for capital funding; difference between the principal amount of bonds issued and the Construction Fund deposit made from the proceeds of the respective bond issues is associated with the bond issuance costs and the funding of a debt service Reserve Fund.

RISK AND FORECAST SENSITIVITY

With any financial forecast there exist certain assumed risks. The following provides a summary of the primary risks identified for this study:

• The majority of a utility's costs are generally considered as being fixed (i.e., do not vary by flow) and include, but are not limited to, the following: personnel, insurance, debt repayment, capital funding, and other related costs. Continued declines in billed wastewater flows (which is based on metered domestic water use) beyond what is already assumed in the Study can erode financial margins from what is projected and result in reduced funds available for ongoing future capital reinvestment. It is estimated that each one percent (1.0%) decline in billed annual wastewater flows would currently result in an approximate (0.8%) percent or \$1.9 million decline in retail rate revenues. The adopted and recommended rates attempt to minimize this risk through an increase in fixed base rates, which do not vary by flow, and is recommended to continue to be phased in over the next several years.

- The financial forecast has assumed average annual collection of Availability Charges at approximately \$20.1 million annually, which is below recent historical realized collection trends. While this is considered a conservative projection, the receipt of these fees varies greatly and is based on new development in the wastewater service area (driven by economic conditions which may result in variations in realized Availability Charges collected). If the System realized lower collections than what is assumed for the forecast, the projected level of transfers for capital reinvestment would be proportionally reduced or would require a corresponding: i) reduction in expenditures (e.g., additional capital deferral); ii) a decline in financial position (liquidity) which could affect the overall credit rating of the System; or iii) increase in rate revenues to offset the decline in the receipt of Availability Charge revenues.
- TBC providers account for a substantial portion of the total System expenditures, including: i) approximately \$45.4 million or 36% of the total annual operating expenses (before budget / actual adjustments); and ii) \$562.9 million or 36% of the identified capital funding for the Forecast Period. Additional increases in the cost of operations or capital needs beyond what is assumed in the financial forecast, which is not under the control of WMP from a cost management perspective, can materially affect the projected financial position of the System. It should be noted that the System is currently in a favorable financial position and WMP annually re- evaluates the financial forecast and estimated fiscal position to address and minimize the long-term effect of such risks.
- The financial forecast assumes average annual retail customer capital spending of approximately \$242.3 million, which is approximately 7.9% of the reported gross fixed assets of the System per year. Capital spending at this level is greater than the reported depreciation expense (calculated to be 2.2% of reported gross fixed assets) and is indicative of significant capital reinvestment and regulatory improvement needs required by the System. The continuation of capital spending at current period levels is anticipated to result in declines in cash reserves and is expected to require the issuance of additional debt beyond the Forecast Period. WMP staff should continue to closely monitor capital spending requirements relative to fiscal policy targets for the fiscal strength and credit rating consideration of the System.
- Regulations such as the Federal Clean Water Act and the Environmental Protection Agency ("EPA") Chesapeake Bay Total Maximum Daily Load ("TMDL") requirements have required significant capital investment to be made from wastewater utilities, including the County and the County's TBC providers, to improve water quality by limiting the amount of pollution or nutrient loadings (e.g., nitrogen) contained in wastewater effluent discharged to the Chesapeake Bay. To the extent that new regulations arise that require the WMP to make additional capital investment than what is contemplated herein, the issuance of additional debt, additional rate adjustments or reprioritization of existing capital funding may be required.

FINDINGS AND RECOMMENDATIONS

- WMP's financial and rate implementation plan has resulted in a strong financial position in support of meeting the adopted financial policies and selected performance metrics or targets. The rates for service allow for the continuation of a capital re-investment rate equal to or greater than the annual depreciation expense on the current installed infrastructure, which will minimize the need for long-term debt and help promote the long-term sustainability of rates. It is recommended that the business-evaluation approach for the development of the annual net revenue requirements be maintained and that the financial forecast be reviewed annually.
- Based on the assumptions and findings as identified in this report it is recommended that the Board consider implementation of the recommended retail customer rates as previously presented herein. The recommended

fee for the upcoming Fiscal Year 2025 represents a reduction to the currently adopted rates approved by the Board during Fiscal Year 2024. WMP staff should continue monitoring the need for the adopted and identified rate adjustments closer towards implementation of the respective rate adjustments.

- The proposed rate adjustments by the County are anticipated to be sufficient to provide net revenues that: i) will continue to meet the rate covenant as delineated in the General Bond Resolution that authorized the issuance of the County's outstanding senior lien bonds; ii) will provide sufficient revenues to fund the increased Debt Service Requirement associated with the issuance of the Additional Parity Bonds anticipated to be issued by the County to fund System capital improvements and allocated Subordinate Obligation debt associated the TBC facility financings and meet the rate covenants associated with such additional indebtedness; and iii) provide for the continued ability to meet the financial targets or objectives of the System as recognized by WMP during the Forecast Period.
- The existing rates for the Fiscal Year 2024 and the recommended Fiscal Year 2025 rates as presented in this report are expected to remain competitive with the rates charged by other neighboring public wastewater utility systems. This competitive position is also anticipated to be maintained during the remainder of the Forecast Period. The table below provides a comparison of the existing and adopted quarterly wastewater utility bill at 16,000 gallons (typical residential customer) relative to other or neighboring utilities:

Single-family Residential Wastewater Service 16,000 Gallons of Billed Wastewater Service per Quarter [1][2]

	Quarterly Bill
Fairfax County:	
Existing Rates – Fiscal Year 2024 [3]	\$180.17
Recommended Rates – Fiscal Year 2025 [3]	190.69
Other Neighboring Utilities:	
City of Alexandria (Served by AlexRenew) [3][4]	270.67
Arlington County	167.28
DC Water [3][5]	336.01
Prince William County Service Authority [3]	128.38
Loudoun Water [3]	147.25
Washington Suburban Sanitary Commission [3][6]	223.83
Survey Average	\$212.24

[1] Unless otherwise noted, amounts shown reflect residential rates in effect October 2023 (Fiscal Year 2024 rates) 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.

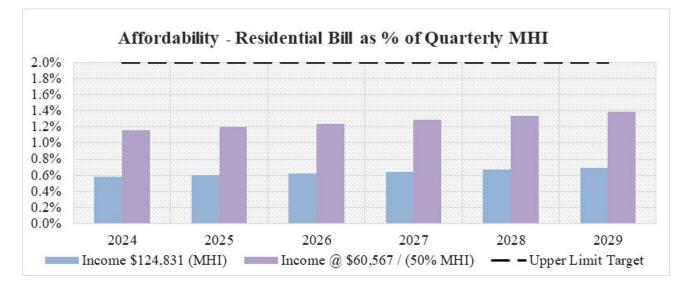
[2] It should be noted that utilities may differ as to the term of billing period and units of measurement used to determine the respective utility customer's wastewater bill. For the purposes of this comparison, all calculations shown have been adjusted to reflect bills rendered on a quarterly basis.

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

[4] The bill shown for Alexandria Renew Enterprises includes the collection system or facilities charge billed by the City of Alexandria to provide consistency to the rates charged for the other surveyed utilities.

- [5] Amounts shown assumes: i) the Clean Rivers Impervious Area Charge of \$21.86 associated with runoff entering the sewer system; ii) a 50% allocation of the \$7.75 metering fee; iii) a 50% allocation of 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.
- [6] 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 16,000 gallons per quarter 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.
 - In addition to the competitiveness of utility rates, a common measure of rate affordability is to evaluate the typical residential bill (annualized) relative to the annual median household income ("MHI") within the service area. Specifically, a two percent (2%) factor of the MHI is used when evaluating the affordability for wastewater services. It is assumed that a wastewater bill at 2% or greater of the MHI is deemed to signal a "large economic impact" on residents, meaning that the community is likely to experience a greater economic hardship^[1]. The following chart presents a forecast of affordability assuming the adopted and recommended rates for the Forecast Period at the MHI and at 50% MHI for reference:

^[1] https://www.awwa.org/Portals/0/AWWA/ETS/Resources/AffordabilityAssessmentTool.pdf



As can be seen from the chart above, the residential wastewater charges for the County are expected to remain within the general range of affordability for the County. It should be noted that the projection of the MHI was calculated assuming income growth of two percent (2%) per year.

To ensure adequate funding for growth-related expenditures and associated debt service payments the existing Availability Charges were evaluated relative to: i) the reported gross investments in capital infrastructure; ii) the identified capital improvement plan; and assumed level of service per equivalent residential unit ("ERU"), which is the typical wastewater capacity allocated to a single-family household or dwelling unit. Based on this analysis as discussed in greater detail in this report, it is recommended that the County increase the existing Availability Charges as follows:

	Existing FY2024	Recommended FY2025	Increase %	Oversize Increase % [1]	Total Increase %
Single-family	\$8,860	\$9,038	1.00%	1.00%	2.00%
Townhouses and Apartments	\$7,088	\$7,231	1.00%	1.00%	2.00%
Hotels / Motels	\$2,215	\$2,260	1.00%	1.00%	2.00%
Non-residential per Fixture	\$443	\$452	1.00%	1.00%	2.00%

Existing and Recommended Availability Charge

[1] The developer oversizing increase is due to the Policy adopted by the County this year.

The proposed Availability Charge for one (1) ERU at \$8,592 is considered competitive with other surveyed Virginia wastewater utilities average at \$8,134. Table 16 at the end of this report provides a listing of the neighboring utilities surveyed.

WASTEWATER REVENUE SUFFICIENCY AND RATE ANALYSIS

2024 WASTEWATER REVENUE SUFFICIENCY AND RATE ANALYSIS

Introduction

As shown on Figure 1 as follows, the County provides wastewater service to residents through a combination of wastewater treatment and disposal facilities owned and operated by the County as well as through wholesale service agreements with four adjacent public utilities providing regional wastewater treatment and disposal service (referred to as Treatment by Contract or "TBC"), based on the sewer shed location within the County. Wastewater collected from customers in the northern part of the County is routed to the Blue Plains Advanced Wastewater Treatment Plant, owned and operated by the District of Columbia Water and Sewer Authority ("DCWASA"). Wastewater collected from customers in the western part of the County is routed to the Upper Occoquan Service Authority's ("UOSA") Regional Water Reclamation Plant. Wastewater collected from customers in the central and southern part of the County-owned Noman Cole Pollution Control Plant ("Noman Cole PCP"). Wastewater collected from customers in the eastern part of the County is routed either to the Alexandria Renew Enterprise's (formally Alexandria Sanitation Authority) ("AlexRenew") Advanced Wastewater Treatment Plant or to Arlington County's Water Pollution Control Plant ("WPCP") depending on the physical location of the customers in this sewer shed.



Figure 1 – Wastewater Service Area Map

The Wastewater Management Program ("WMP") staff currently manages the day-to-day operation of the Countyowned Noman Cole PCP, a wastewater facility having a permitted capacity of 67.0 million gallons a day ("MGD"). Additionally, the County has secured an entitlement of 89.68 MGD of TBC wastewater treatment capacity. The County's TBC capacity represents 57% of the total wastewater treatment capacity of the System. In this Report, the County's Noman Cole PCP and TBC capacity, together with the County's collection and transmission system, pumping stations and related facilities and equipment are referred to collectively as the "System."

Wastewater Entity	As of August 1, 2023
Fairfax County (Noman Cole PCP)	67.00
Alexandria Renew Enterprises (AlexRenew)	32.40
Arlington County	3.00
UOSA	22.60
DCWASA	31.00
Prince William	0.10
Loudoun Water	1.00
Colchester [1]	0.08
Total	157.18

Total Current System Wastewater Capacity (MGD)

[1] The Colchester wastewater treatment plant is a package plant owned by a private utility which is dedicated to serve the Colchester residential development.

The WMP currently provides service to an estimated population of 1,170,033^[2] residents. As of June 30, 2023, WMP reported that its gross plant investment in the System, including construction- in-progress and capacity entitlements in wastewater treatment facilities owned by other local governments, was approximately \$3.3 Billion.

WMP monitors its financial position and results on an ongoing basis, continuously prepares financial forecasts to identify anticipated trends in financial position and establishes rates and charges to meet certain financial goals. To support this financial evaluation and rate process, the WMP has engaged the services of Raftelis Financial Consultants, Inc. ("Raftelis") to assist in the preparation of a five-year financial forecast to evaluate trends and anticipated performance results based on the most recent actual and current year budgetary information and WMP's management practices. The purpose of this rate sufficiency and rate analysis report (the "Report") is to document the financial and rate evaluation prepared on behalf of Fairfax County, Virginia (the "County") and to provide our observations and recommendations as to the level of wastewater system rates that should be charged for utility service and support the recommendations for sewer service charges for consideration by the Board of Supervisors of the County (the "Board") for adoption.

This analysis is prepared annually primarily in support of the County's ongoing budget and capital improvement planning process. The revenue sufficiency and rate analysis reflected in this Report was based on the Adopted Fiscal Year 2024 Budget and encompassed the subsequent five- (5) fiscal year period ending June 30, 2029 (collectively, the "Forecast Period"). Although the analysis focused primarily on the financial needs identified for the Forecast Period, the financial analysis also included a ten fiscal year period ending June 30, 2033 (referred to as the "Planning Period") to support management's ongoing long-term planning efforts.

^[2] Population figures per Demographic and Economic Statistics reported in the County's Comprehensive Annual Financial Report for the Fiscal Year 2023 for the Integrated Sewer System Enterprise Fund.

As documented in this Report, WMP's operations and financial position are impacted by a variety of factors, including: i) increased capital expenditures required for renewals and replacements, regulatory mandates associated with the Chesapeake Bay Program, and to serve new development in the County's wastewater service area; ii) continued effects of inflation on the cost of operations and construction; iii) need to maintain a strong financial position to promote the creditworthiness and sustainability of sewer service charges or user fees for the System; iv) maintain compliance with the rate covenant requirements of the General Bond Resolution adopted by the Board on July 29, 1985, as amended, restated, and supplemented from time to time (the "General Bond Resolution") authorizing the issuance of the Outstanding Bonds^[3]; and v) providing sufficient funds for the payment of the System's allocable share of subordinate debt issued (and held) by UOSA on behalf of the County.

The effect of these factors was recognized last year in the preparation of the Wastewater Revenue Sufficiency and Rate Analysis for the Fiscal Year 2023 through Fiscal Year 2028 dated February 2023, which was prepared in support of the Fiscal Year 2024 WMP Budget (the "2023 Report"). The 2023 Report evaluated the overall expenditure requirements of the System and recognized the criticality of the need for the continued change in the level and cost recovery strategies of wastewater rates charged for service to meet the projected financial requirements but also to increase revenue stability. Revenue sufficiency refers to the increased certainty of the receipt of rate revenues since the rates for service are less dependent on volume or usage rates (flow) which may vary over time which is consistent with trends indicating lower sales per costumer served at least over the past ten years – a reduced financial risk. The recommended rates and the annual changes identified in the 2023 Report, which were subsequently approved by the Board included: i) continuation of the phase-in of an increasing fixed cost recovery base charge to enhance revenue sufficiency and equitable cost recovery practices (i.e., recovery of "readiness-to-serve" costs); and ii) a marginal increase in the recommended volumetric rate. The purpose of initially introducing the fixed cost recovery charge in Fiscal Year 2014 was to: i) promote revenue stability (certainty) in revenue recovery; ii) promote equitability in the recovery of cost among the wastewater users (readiness-to-serve); and iii) reflect industry norms and trends in rates. The following is a summary of the Board implemented and adopted rates for the Fiscal Years 2024 through 2028 based on the recommendations in the 2023 Report and the net change in the quarterly wastewater bill for the typical residential customer.

^[3] The Outstanding Bonds reflect bonds issued by the County in accordance with the terms and conditions delineated in the General Bond Resolution and include: Sewer Revenue Bonds, Series 2012; the Sewer Revenue Refunding Bonds, Series 2014; the Sewer Refunding Revenue Bonds, Series 2016A, Sewer Revenue Bonds, Series 2017; and Sewer Revenue Bonds, Series 2021 (the "Outstanding Bonds").

Summary of Fiscal Year 2024	Board-Adopted Rates	(FY24-FY28)
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	Fiscal Year Ending June 30, [1]					
	In Effect	Adopted – Prospective				
	2024 [2]	2025	2026	2027	2028	
Volumetric Rate – \$ per 1,000 Gallons	\$8.46	\$8.81	\$9.33	\$9.83	\$10.35	
Change from Prior Year	N/A	\$0.35	\$0.52	\$0.50	\$0.52	
Quarterly Base Charge – \$ per ERU per Meter Size [3]	\$44.81	\$49.73	\$52.62	\$55.41	\$58.35	
Change from Prior Year	N/A	\$4.92	\$2.89	\$2.79	\$2.94	
Average Quarterly Residential Bill – Usage of 16,000 Gallons per Quarter						
Quarterly Residential Bill	\$180.17	\$190.69	\$201.90	\$212.69	\$223.95	
Percent Combined Change from Prior Year for Usage of 16,000 Gallons per Quarter	N/A	5.84%	5.88%	5.34%	5.29%	
Annual Quarterly Increase in Wastewater Bill for Usage of 16,000 Gallons per Quarter [4]	N/A	\$10.52	\$11.21	\$10.79	\$11.26	

[1] All rates scheduled to be implemented on July 1st and became fully effective (implemented as a result of prorating rates based on when service is used by customer and the rate in effect as of such service use period) with quarterly bills rendered on October 1st of each fiscal year.

[2] Recommended rates as identified in the 2023 Report, which were adopted by the Board and are being billed.

[3] Amount reflects increase in the base charge to recover a portion of the identified fixed costs incurred to provide wastewater service to improve revenue stability and equitability in cost recovery.

[4] Calculated from immediately preceding Fiscal Year bills.

Fiscal Year 2023 Results

The adopted rates for the Fiscal Years 2024 through 2028 were based on, among other things, the Fiscal Year 2022 actual results, the Fiscal Year 2023 Budget, which was reviewed and adjusted as appropriate based on more recent financial results since its adoption by the Board, and the Fiscal Year 2023 capital improvement plan including capital expenditures anticipated to be incurred by and allocable to the System associated with the County's TBC providers. A comparison of the forecasted and actual results for the Fiscal Year 2023 is now available for consideration and incorporated into the Fiscal Year 2024 Financial Forecast. In evaluating the Fiscal Year 2023 results, a number of observations were made:

- 1. The actual Fiscal Year 2023 gross revenues and availability fees were approximately \$272.8 million, which is \$8.5 million more than what was initially projected in the prior 2023 financial forecast. The following provides a brief discussion detailing the analysis of the variance among the actual and previously projected revenues:
 - a. The reported Fiscal Year 2023 Service Charge revenues from retail customers was about \$232.9 million, which is approximately \$2.6 million lower than the \$235.5 million estimated for the financial forecast included in the 2023 Report. The revenue shortfall for the base charge was approximately \$1.5 million, while the variable charge exceeded the financial projection by approximately \$1.1 million. These shortfalls were due to lower-than-expected customer growth and wastewater flows. The actual and forecasted results were still generally consistent, as the variance was approximately 1%.

This recognizes that assumptions concerning rate increases, connected customers and billed flows previously forecasted were mostly realized by the County.

- b. Actual Fiscal Year 2023 Sales of Service (wholesale) revenues was approximately \$8.7 million, which is approximately \$0.6 million less than the projected \$9.3 million estimate presented in the 2023 Report. This variance was due to lower than projected billed flows by the Sale of Service customers. The actual and forecasted results were still generally consistent, which recognizes that assumptions concerning wholesale service charges and the wastewater treatment needs of the customers (billed flows) as previously forecasted were realized by the County.
- c. Actual Fiscal Year 2023 Service Availability Charge revenues were approximately \$23.5 million, which was \$7.1 million more than the \$16.4 million estimate recognized in the development of the 2023 financial forecast. The variance is primarily due to an increase in the number of new service requests relative to planned requests and may be due to a timing difference of when new service requests are made and the payment of fees The projection of Availability Charges can vary since they represent one-time fees paid by developers and other applicants to reserve wastewater capacity to serve their development. year.
- d. Other operating revenues, including investment income, accounted for approximately \$7.6 million of gross revenues, which was more than the forecasted amount recognized in the 2023 Report at approximately \$2.5 million, primarily due to investment income being higher than projected. This was due to better investment rates than previously forecasted, which were conservative in nature.
- 2. Actual Fiscal Year 2023 operating, and maintenance expenses (not including depreciation) was \$123.1 million, which was approximately \$0.4 million less than estimates contained in the 2023 Report. The actual and forecasted results were still generally consistent, which recognizes that assumptions concerning the forecasted operating expenditures were realized by the County.

The utility plant additions in gross plant-in-service for the Fiscal Year 2023, less amounts received through developer property contributions or financed by grant funding, were approximately \$136.1 million as reported in the County's financial statements, which was \$23.9 million less than what was anticipated to be spent during such fiscal year as referenced in the 2023 Report. The lower level of capital spending is attributable to the variance in timing from when the projects are appropriated (and required to be funded) to actual expenditures and therefore unspent appropriations are expected to carry-over and is anticipated by the County to be expended during the Fiscal Year 2024 (and potentially future years) resulting in a continued increase in net utility assets for the Forecast Period.

The debt service payments expressed on an "as-paid basis" (when payments are made to investors from amounts on deposit in the Debt Service Subfund which generally forms the basis for financial reporting) were approximately \$54.8 million or approximately \$4.7 million less than what was forecasted in the 2023 Report. The variance was primarily due to timing differences in funding of the Debt Service Requirement on an "accrual basis" (when deposits from System revenues are made to the Debt Service Subfund which typically relates to the establishment of the revenue requirements funded from rates) when compared to the requirement expressed on an "as-paid' basis to the investors holding the bonds.

The following table provides a comparison of the actual net operating results for the Fiscal Year 2023 to the projections for such year as presented in the 2023 Report:

	2023 Actual Results	2023 Financial Forecast [1]	Variance to Actual Results Positive/(Negative)
Flow Charge Revenues	179,141,731	180,620,267	(1,478,536)
Base Charge Revenues	53,763,048	54,916,380	(1,153,332)
Sales of Service Revenues	8,744,410	9,316,050	(571,640)
Other Miscellaneous Charges	1,087,651	1,035,000	52,651
Investment Earnings	6,541,726	1,453,000	5,088,726
Operating Revenues and Investment Earnings [2]	\$249,278,565	\$247,340,697	\$1,937,869
Operating Expenses	(123,111,480)	(123,548,793)	437,314
Net Revenues	\$126,167,085	\$123,791,903	\$2,375,182
Total Debt Service Payments [3]	(54,782,735)	(59,504,417)	4,721,682
Net Available for Capital Funding	71,384,350	64,287,486	7,096,864
Capital Funding Allowance [4]:			
County-owned Facilities	(55,972,609)	(55,972,609)	N/A
Treatment-by-Contract Facilities	(35,322,126)	(35,322,126)	N/A
Net Available before Availability Charges	(\$19,910,385)	(\$27,007,249)	\$7,096,864
Service Availability Charges [5]	23,514,132	17,000,000	6,514,132
Net Available for System Use	\$3,603,747	(\$10,007,249)	\$13,610,996

Fiscal Year 2023 Financial Results Comparison

 Represents forecast prepared and presented in the 2023 Report and was based on Fiscal Year 2023 Budget and actual Fiscal Years 2022 and year-to-date Fiscal Year 2023 operating results. Amounts shown exclude receipt of grant proceeds, if any, since prior forecast does not assume any.

[2] Includes charges for service, sales of service (wholesale sales), and other operating revenues. Additionally, the amounts shown include interest income on available fund balances.

[3] Includes debt payments on senior debt and subordinate obligations. Actuals are presented on an "as-paid" basis, while prior Fiscal Year 2022 projections are presented on "an accrual" basis (when deposits to Debt Service Subfund from rate revenues is required).

- [4] Amount shown reflects a 3% capital asset replacement funding ratio based on: i) County reported original gross plant in service, less land and construction-work-in-progress; and ii) original book value of capacity rights for the County's Treatmentby-Contract providers. The allowance is considered necessary for ongoing capital funding and infrastructure replacement needs and is the funding target recognized in the current financial forecast.
- [5] Reflects Availability Charges received by WMP. Amounts shown do not include any contributed property donations which are received by the County and reflect direct capital additions to the System.

As can be seen from the prior table, the actual results for the Fiscal Year 2023 outperformed the prior forecast, including the dedication of funds for ongoing programmed capital reinvestment. This positive variance was due primarily to availability fees and interest income outperforming the conservative forecast.

Projected Financial Results

The Board annually approves a multi-year rate plan and constantly re-evaluates its financial position and expenditure needs / funding commitments as part of its rate evaluation process. As previously mentioned above, the most recent Board-approved rates, including the currently effective rates for the Fiscal Year 2024, were based on an analysis prepared by WMP and Raftelis and presented in the 2023 Report. The Board-approved rates adopted in connection with the prior Fiscal Year 2023 financial forecast were designed with the intent of meeting the expenditure funding

needs of the System and achieving the financial parameters and performance measures established for the System during the Forecast Period presented in that study. These results and the corresponding assumptions recognized in the development of the 2023 financial forecast have been updated and adjusted based on the improved 2023 actual results and most recent budget projections / System needs which has enhanced the ability of the System revenues to fund the projected expenditure requirements and meet the identified financial benchmarks or targets for the Forecast Period. Accordingly, as part of this revenue sufficiency study, a re-evaluation of the System rate adjustments (i.e., total rate revenues estimated to be earned) was considered.

The Fiscal Year 2024 financial forecast includes a multi-year rate phasing program which was prepared to identify the Fiscal Year 2024 through 2029 rates, which are considered necessary to fund the identified revenue requirements for the System and continue to meet the financial planning benchmarks / targets (i.e., financial position) identified with WMP staff to promote the long-term creditworthiness of the System. The creditworthiness objective focuses on maintaining an "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 attempting to limit future rate increases to wastewater customers. Based on the assumptions recognized in the development of the financial forecast and the actual Fiscal Year 2023 results, the following rate adjustments are recommended:

	Existing	Fiscal Year Ending June 30,				
Description	2024	2025	2026	2027	2028	2029
Currently Approved Rates (2023 Report):						
Quarterly Base Charge	\$44.81	\$49.73	\$52.62	\$55.41	\$58.35	N/A
Flow Charge	\$8.46	\$8.81	\$9.33	\$9.83	\$10.35	N/A
Rate Revenue Adjustment:						
Effective Increase [1]	N/A	5.9%	5.9%	5.5%	5.3%	1.3%
Annualized Increase [2]	N/A	5.8%	5.9%	5.3%	5.3%	0.0%
Recommended Rates (2024 Report):						
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
Rate Revenue Adjustment:						
Effective Increase [1]	N/A	5.9%	5.9%	5.9%	5.9%	5.9%
Annualized Increase [2]	N/A	5.8%	5.9%	5.9%	5.9%	5.9%

Recommended Quarterly Rate Adjustments by Fiscal Year per 2023 Report - for the Forecast Period

[1] Amounts shown reflect the projected effective revenue increase as applied to projected customer billing statistics assuming rates are in effect on average for nine (9) months of the Fiscal Year corresponding to when the rates are placed into effect. The County pro rates the bills based on the customer service attributes and recognizes rate adjustments to service rendered effective July 1st of each fiscal year (e.g., bills rendered during the first quarter of the Fiscal Year relate to service provided during a portion of the prior fiscal year).

[2] Amounts shown reflect the annualized rate revenue increase based on rate increases assumed for an annualized 12-month period as applied to projected customer billing statistics.

As can be seen from the above table the recommended rates are proposed to be slightly increased when compared to the recommendation presented in the 2023 Report. This is due to the continued high rates of inflation on operating expenses and the cost of materials and capital construction. As can be seen in the above table, it is also recommended that the Board consider approval of the Fiscal Year 2029 identified rates which essentially is a continuation of the level of rate adjustments recognized through the Fiscal Year 2028.

KEY CONSIDERATIONS AND ASSUMPTIONS REGARDING PROJECTED OPERATING RESULTS

The development of the projected net revenue requirements for the System required several assumptions and considerations and the preparation of certain analysis relative to anticipated utility operations. The major assumptions, considerations and analyses that were considered in the development of the projected System revenue requirements for the Forecast Period are as follows:

1. The forecast in accounts, equivalent residential units ("ERUs") and billed retail wastewater flow was based on a review of historical trends and discussions with WMP staff and is summarized below:

Fiscal Year	Equivalent Residential Units (ERU) [2]	Billed Wastewater Sales (Flow)	Average Billed Flow per ERU
Historical Period:			
2018	341,720	23,086,536	5,630
2019	342,591	22,593,545	5,496
2020	343,087	22,770,424	5,531
2021	347,193	22,351,730	5,365
2022	348,198	22,750,614	5,445
2023	347,287	22,426,454	5,381
Average Annual Compound Growth Rate	0.32%	(0.58%)	(0.90%)
Forecast Period: [3]			
2024	348,887	22,587,133	5,395
2025	350,494	22,701,141	5,397
2026	352,111	22,816,405	5,400
2027	353,732	22,931,787	5,402
2028	355,367	23,048,712	5,405
2029	357,009	23,165,973	5,407
Average Annual Compound Growth Rate [4]	0.46%	0.54%	0.08%

Summary of Historical and Projected Customers (ERUs) and Billed Retail Flow Statistics [1]

[1] Amounts shown derived from Tables 1 and 2.

[3] Reflects customer and sales forecast which formed the basis of the rate revenue from approved and recommended rates.

[4] Reflects average annual compound growth rate from Fiscal Year 2023.

2. As can be seen above, the projection in equivalent residential units is assumed to increase approximately 0.46% annually through the Fiscal Year 2029 (averages 1,620 ERUs annually for the Forecast Period). This average growth rate is assumed to be attainable by WMP staff. It should be noted that the forecast assumes a slightly less billed wastewater flow per ERU than the historical 5-year average for the system (the System has been experiencing a general decreasing trend in billed flow since 2018). As can be seen in the prior table, the average billed wastewater flow per ERU has declined when compared to the average billed wastewater

^[2] The County determines the Equivalent Residential Unit ("ERU") for each active customer account based upon application of a meter equivalency factor per water meter associated with wastewater service for a customer. The meter equivalency factors are based on the information published by American Water Works Association ("AWWA") regarding instantaneous demand relationships among meter sizes relative to a 5/8" meter and are also used to factor the base charge for the adopted rates. The County bills customers the base charge based on the number of ERUs associated with the customer account. For purposes of this analysis the historical ERUs were calculated based on the reported historical average monthly base charge revenue divided by the base charge for service then in effect.

flow per ERU as experienced during the Fiscal Year 2018; the reported 2023 average billed flows are 4.4% less than the average billed flow per ERU recognized in 2018. This reduction in billed flows per ERU has a direct impact on rate revenues and the development of funding strategies since the revenue expressed on a "contribution per customer" basis is generally decreasing. For the Forecast Period, it has been assumed that the average billed wastewater flow per ERU will be more in line with the historical 5-year average as the flows per ERC in Fiscal Year 2023 were considerably lower than Fiscal Year 2022

- 3. The Adopted Fiscal Year 2024 Budget estimates as provided by WMP staff served as the basis for the expenditure projections for the System. The budget estimates were compared to actual historical period results and the underlying assumptions and expenditure amounts included therein were assumed to be reasonable and reflect anticipated operations, unless otherwise noted. Such budgetary amounts are incorporated into the development of the Operating Expenses and certain other funding requirements for the first two (2) years of the Forecast Period, except for adjustments and assumptions as noted herein.
- 4. Projected revenues from existing and adopted rates (sewer service charges) for the System were based on the customer, ERU, and sales forecast as shown on Table 2 and summarized above (reference Item No. 1), and the most current schedule of rates approved by the Board of Supervisors.
- 5. The projected Sales of Service (wholesale charges) revenues were based on the individual parameters of each specific agreement with the respective wholesale customer for providing service, actual reported revenues for the Fiscal Year 2023, the adopted and projected County retail wastewater rates and billing relationships, the capital plan (as discussed later in this Report), the forecast of Operating Expenses at both the Noman Cole PCP and the TBC Contract wastewater facilities for those wholesale customers that are contractually obligated to share in costs, and other factors. Based on the contract parameters and the overall costs reflected in the analysis, the following sales of service revenue for wholesale service by respective customer was recognized for the Forecast Period:

	Fiscal Year Ending June 30,							
	2024	2025	2026	2027	2028	2029		
City of Fairfax	\$2,910,009	\$2,970,768	\$3,050,184	\$3,131,176	\$3,214,351	\$3,299,274		
Town of Herndon	1,932,015	2,012,773	2,096,687	2,183,891	2,274,505	2,368,664		
Arlington County	862,066	898,192	935,735	974,754	1,015,305	1,057,447		
Fort Belvoir	2,771,507	2,886,167	3,056,520	3,236,701	3,426,709	3,629,822		
City of Falls Church	938,785	955,338	979,088	1,002,649	1,025,905	1,049,696		
Town of Vienna	998,547	1,037,522	1,065,298	1,093,564	1,122,578	1,152,204		
Fairfax Water	172,253	179,561	189,391	200,559	212,345	224,902		
I-95 ERRF (Covanta)	303,887	316,779	334,121	353,823	374,615	396,769		
Loudoun (County) Water	254,817	260,678	266,152	271,475	277,448	283,551		
Total Sales of Service Revenues	<u>\$11,143,886</u>	<u>\$11,517,778</u>	<u>\$11,973,176</u>	<u>\$12,448,592</u>	<u>\$12,943,761</u>	<u>\$13,462,329</u>		

Summary of Sales of Service (Wholesale) Revenues – for the Forecast Period [1]

[1] Amounts derived from Table 5 at the end of this Report and based on respective wastewater flow forecast and current contractual billing relationships for each Sales of Service customer; amounts shown include projected impacts associated with percent changes in retail rates as applicable based on recommended rates for service. For Sale of Service customers that have contractual rates tied to the County's retail rates, such revenues include the pro rata increase due to the implementation of the recommended rates as provided in such agreement for service with the County.

- 6. The capital contributions from the Sales of Service customers were recognized as a reduction in the overall capital funding requirements from the County retail customers since the contributions to the funding of such capital requirements is a condition of service. A summary of the adjustments is shown on Tables 5 and 10 at the end of this report.
- In order for new development to pay for the initial capital investment necessary to serve such new 7. development (the general policy being that "growth pays for growth"), the County charges an Availability Charge based on the capacity being requested for the intensity of development being requested by the applicant (essentially a reimbursement to the System for the allocated System capital expenditures to serve the new development). The general policy of WMP is to use the charges that are realized and received to first pay for expansion-related debt service payments (to limit immediate rate increases to existing customers) and then to fund expansion-related or allocated capital expenditures. The use of the Service Availability Charges to fund annual expenditures serves to reduce the amount of net revenue requirements that need to be funded annually from Sewer Service Charges or retail rates. For the Forecast Period, the estimate of Availability Charge revenues was based on the forecast of ERUs assumed to connect to the System, the current rate for service (i.e., \$8,860 per ERU), the proposed rate for service (i.e., \$9,038 per ERU beginning with the Fiscal Year 2025), which was subsequently inflated at 2% thereafter for the remainder of the Forecast Period to recognize the phasing of anticipated Availability Charge adjustments over time based on discussions with WMP staff and the developer oversizing increase is due to the Reimbursement Policy. The estimated amount of Availability Charge revenues anticipated to be received during the Forecast Period was determined as follows:

	Fiscal Years Ending June 30,							
	2024	2025	2026	2027	2028	2029		
ERUs Connecting to System	2,738	2,747	2,779	2,783	2,822	2,827		
Availability Charge (\$/ERU)	\$8,860	\$9,038	\$9,218	\$9,398	\$9,578	\$9,759		
Availability Charge Revenue (\$000s)	\$24,259	\$24,827	\$25,617	\$26,155	\$27,029	\$27,589		
Adjustment [1]	(5,973)	(5,931)	(5,846)	(5,709)	(5,697)	(5,573)		
Adj. AC Revenue (\$000s)	\$18,286	\$18,896	\$19,771	\$20,446	\$21,332	\$22,015		

Summary of Estimated Availability Charge Revenues – for the Forecast Period

[1] ERUs shown are presented differently when compared to the ERUs reported for the customer statistics due to the methodology of the determination of the allocated capacity resulting in the receipt of Availability Charges being calculated on fixture basis while rates are on a meter equivalent basis.

[2] Amounts shown reflect an adjustment to the estimated receipt of Availability Charges to reflect a conservative forecast of revenues to be realized (e.g., due to timing differences between payment of fees and connection to the System and other factors) since they represent non-recurring revenues based on discussions with WMD staff.

8. The County does not formally segregate the Availability Charges received from the other operating revenues of the System. To identify the amount of funds on deposit attributable to the receipt and estimated use of such funds, a historical analysis of fee collections and expenditures was performed to estimate beginning Availability Charge fund balances allocable to new customers. For the Forecast Period, such amounts were based on: i) the estimated current cash balance in the new customer (availability charge) fund as of June 30, 2023 representing the beginning fund balance; ii) the level of fees anticipated to be collected during the Forecast Period, including interest income assumed to be earned on funds on deposit; and iii) the projected expansion-related debt service payments identified during the Forecast Period.

Based on the above, the following sources and the corresponding use of the Availability Charge funds was recognized during the Forecast Period:

	Fiscal Years Ending June 30,							
	2024	2025	2026	2027	2028	2029		
Availability Charge-Related Revenues:								
Estimated Availability Charge Receipts	\$18,286,001	\$18,895,975	\$19,770,973	\$20,446,046	\$21,331,985	\$22,015,343		
Investment Income [2]	0	0	0	0	0	0		
Less Uses of Funds:								
Debt Service Payments	18,286,001	18,895,975	19,770,973	20,446,046	21,331,985	\$22,015,343		
Capital Project Expenditures [3]	0	0	0	0	0	0		
Net Balance Available for Debt Recovery Application	\$0	\$0	\$0	\$0	\$0	\$0		

Summary of Estimated Balance of Availability Charge (AC) Funds – for the Forecast Period [1]

[1] Amounts reflect funds that are allocated to capital-related expenditures associated with serving new customers (expansion-related); which resources are derived primarily from the application of Availability Charges.

[2] Amounts include earnings on projected Service Availability Fund balances that are allocable to new customers.

[3] Based on a multi-year historical review of expansion-related debt service and proceeds from the sale of capacity, no Availability Charge revenues were assumed for purposes of this analysis to be used to fund a portion of the new customer-related capital improvements for the System.

As can be seen above, it is projected that all Availability Charge collections will be applied to the payment of the current period expansion-related Debt Service Requirement (payments). As can be seen below, it is estimated that the expansion-related component of the Debt Service Requirement is expected to exceed projected receipts of Availability Charges for all years of the Forecast Period resulting in a carry-forward balance of expansion-related debt payments available to be funded or reimbursed from Availability charges in the future; the difference between the total expansion-related debt payments and the application of the estimated realized Availability Fees must be funded in the interim from existing customer sewer service charge revenues.

Summary of Estimated Expansion-Debt funded from Existing Customer Revenues – to be Reimbursed from Availability Charge Revenues (in \$000s) [1]

	For the Forecast Period – Fiscal Years Ending June 30,					
	2024	2025	2026	2027	2028	2029
Beginning Existing Customer Reimbursement Balance [1]	\$0	\$18,278	\$40,243	\$65,193	\$93,008	\$124,393
Total Debt Service Payments	63,179	74,303	84,489	94,319	106,703	109,045
Expansion-related Allocation:						
Expansion Debt Percentage	58%	55%	53%	51%	49%	46%
Allocated Debt Service	36,564	40,861	44,721	48,260	52,717	49,668
Availability Charges to Pay Expansion Debt [2]	18,286	18,896	19,771	20,446	21,332	22,015
Carry Forward Balance Increase / (Decrease)	18,278	21,965	24,950	27,814	31,385	27,653
Ending Existing Customer Reimbursement Balance	<u>\$18,278</u>	<u>\$40,243</u>	<u>\$65,193</u>	<u>\$93,008</u>	<u>\$124,393</u>	<u>\$152,046</u>

[1] The Recovery Balance represents the amount of expansion-related debt payments funded from rates (existing customers) and is anticipated to be reimbursed from Service Availability Fees. Amounts determined based on historical Service Availability Charge collections relative to expansion related debt service payments; essentially represents a "due from" new customers payable to existing customers for debt expenditures not funded from the receipt of Availability Charges.

[2] Assumes all Availability Charges will be applied to expansion-related debt service payments (the first priority of use). Any balance of fees available after payment of the expansion-related debt service payments was assumed to be carried over to the subsequent years for future debt service payment application; any deficiency in Availability Charge expansion-related debt funding represents a future reimbursement to the System due from the Availability Charge revenues (deposited into System operating reserves as charges are received).

- 9. Included in the financial projections are other operating revenues associated with lateral spur fees, connection charges and other customer-related requested service revenues. For the purposes of this Report, other operating revenues were based on i) the Fiscal Year 2024 budgeted revenues; ii) a review of historical amounts received from such charges; and iii) discussions with WMP staff. Based on a review of such sources, it was assumed that such revenues would fluctuate either in relation to anticipated new connections to the System during the Forecast Period or would be held constant during such period.
- 10. Table 3 at the end of this Report summarizes the projected Operating Expenses for the System. The Fiscal Year 2024 budget represents the County's most recent annual financial plan for the System and served as the baseline of the financial forecast of operating expenses. The budgeted amounts were compared to the prior period results and adjusted as considered necessary in support of the development of the projection of operating expenses. The projected System Operating Expenses have been escalated from adjusted budget levels for the Fiscal Year 2024 based upon several assumptions and the nature of the expense being incurred by the System. A summary of the cost escalation assumptions is provided below:
 - a. Personnel expenses were escalated recognizing: i) inflation on salaries and wages estimated at 3.0% annually assuming cost of living adjustments and merit increases; and ii) increases in medical and other benefits assumed at 3.0% annually based on a review of recent historical increases and expectations for such costs for the Forecast Period. It should be noted that the County provides healthcare benefits through a self-insurance policy.

- b. Based on discussions with the County, additional personnel were assumed to be required for the Forecast Period to meet additional demands due to System growth, the imposition of the capital improvement program or due to increased utility service needs during the Forecast Period. Accordingly, 15 additional positions were added over a 3-year period beginning in Fiscal Year 2026 in the development of the Operating Expenses projections for the Forecast Period.
- c. General expenses, other contractual services and certain other operating expenses have been projected to increase at an annual rate of inflation of 2.3%. The escalation factors were based on the Consumer Price Index and the Implicit GDP Deflator forecasts published by the Congressional Budget Office as contained in the Economic and Budget Outlook dated October 31, 2023, recent historical expenditure trends experienced by the System, and discussions with WMP Staff.
- d. Repair and maintenance operating expenses were escalated based upon a factor of 4.0% over the Forecast Period based on discussions with WMP staff, reflecting the continued trend in increased capital reinvestment needs and increases in construction materials costs used in the repair and maintenance of existing wastewater facilities.
- e. General insurance for property, plant and equipment was escalated based upon a factor of 2.3% for the Forecast Period based on discussions with WMP staff and recognizing that the County will control costs through a self-insurance policy.
- f. The projection of variable costs for the County's Noman Cole PCP operations, which included purchased power and chemicals cost, was determined utilizing the cost estimates as outlined in the County's Fiscal Year 2024 budget. These costs were compared to recent trends and were escalated for the Forecast Period based on an allowance for inflation, which is consistent with recent historical trends, and the projection of wastewater treated flow requirements as discussed earlier in this Report. For the Forecast Period, the following was assumed for the following specific variable expenses:
 - i. Electrical expenses were escalated over the Forecast Period at a base annual inflation rate of 2.5% based on a review information published by the Bureau of Labor Statistics regarding historical trends in electricity and energy prices over the past 20 years and the anticipation of increased energy costs.
 - ii. Chemical expenses were escalated over the Forecast Period at a base annual inflation rate of 4.0% annually based on a review of historical indices published by the Bureau of Labor Statistics for industrial chemicals as well as a historical review of actual chemical expenses for WMP.
- g. Bills for retail wastewater service are rendered on a contractual basis by Fairfax Water and the Town of Vienna. For the Forecast Period, the cost of the billing services was based on: i) a composite cost to provide such service predicated on the total bills being rendered; ii) the growth in accounts billed for the Forecast Period; and iii) allowances for inflation on the cost of billing (rate charged for service by the billing agents). For the Forecast Period, this expense was estimated to average approximately \$7.5 million annually.
- h. No contingency allowance has been recognized during the Forecast Period to account for any unknown or unplanned expenditures that may occur during such period or to account for potential changes in the revenues that may occur due to weather, conservation, and other factors has been

recognized based on discussions with WMP staff. The forecast for operating expenses is considered reasonable and attainable by Raftelis.

- 11. As previously mentioned, the County has entered into several service agreements with other local governments or agencies (i.e., the TBC providers) for wastewater treatment and disposal service. The costs associated with the service for each entity supplying wastewater treatment services were based on: i) the agreement for service between the County and the specific TBC provider; ii) where available and applicable, the costs reflected in the Fiscal Year 2024 operating and capital budget for each respective TBC provider; iii) recent invoices as billed by the TBC providers to the County for service; and iv) the recognition of inflation and estimated flow growth in the projection of the operating costs billed by the respective entity. Based on such information, an upward adjustment to the Fiscal Year 2024 budgeted amounts by approximately \$4.6 million was recognized, with the principal increases associated with wastewater treatment purchases from DC Water. The cost for wastewater treatment purchases is summarized on Table 4 at the end of the Report and was estimated as follows:
 - Alexandria Renew Enterprises (contractually the Alexandria Sanitation Authority) ("AlexRenew") a. The Operating Expenses include the allocated share of the wastewater treatment and certain conveyance (referred to as joint facilities) costs based on the wastewater flow relationships between the two entities as reflected in the service agreement. The projection of the total joint facility costs was provided by AlexRenew as part of its financial planning process. In addition, the costs invoiced to the County include deposits to a joint use facilities account maintained by AlexRenew to be used exclusively for improvement, repair, and replacement of certain County and AlexRenew shared facilities (the "Joint IR&R") in an amount equal to 0.7% of the total amount of the capital expenditures made (reported gross plant investment) with respect to the joint use facilities as defined in the service agreement. The payment of the Joint IR&R costs is considered as an operating expense of the County for financial reporting and rate evaluation purposes. For the Forecast Period and based on a review of trends in the percent of flow delivered to the AlexRenew wastewater treatment plant, it was assumed that the County would account for approximately 50% of the total wastewater flows at the AlexRenew wastewater treatment facilities and therefore responsible for the proportionate share of the joint facility operating expenses at this utilization percentage.

With respect to the County, the estimated invoiced TBC wastewater treatment costs from AlexRenew include: i) allocable joint treatment operating expenses; and ii) deposits to the Joint IR&R for capital reinvestment and were projected as follows:

	Fiscal Years Ending June 30,							
	2024	2025	2026	2027	2028	2029		
Operational Maintenance Expenses	\$14,314,620	\$14,711,320	\$15,110,966	\$15,521,402	\$15,942,948	\$16,375,902		
Deposit to Joint IR&R Account	3,253,058	3,444,007	3,641,845	3,782,473	3,914,859	4,051,879		
Accruals / Fiscal Year End Adjustments	0	0	0	0	0	0		
Total Operating Expenses	<u>\$17,567,678</u>	<u>\$18,155,327</u>	<u>\$18,752,811</u>	<u>\$19,303,875</u>	<u>\$19,857,807</u>	<u>\$20,427,781</u>		

Estimated Wastewater Treatment Purchases from Alexandria Renew Enterprises – For the Forecast Period

The County also shares in the capital expenditures by AlexRenew for the facilities that are considered joint facilities (with the County being responsible for 60% of such capital costs based on the capacity entitlement in the wastewater treatment facility). Any costs that are required to be directly funded by the County for the joint facility plant-in-service are included as a component of the capital improvement plan for the System since they must be funded upfront by the County (it should be noted that the agreement between the parties does allow AlexRenew to issue debt for joint use improvements for which the County would be responsible for 60% of such debt, but based on discussions with AlexRenew staff and historical precedent, we have assumed that no AlexRenew debt obligations will be issued to fund the County's allocable share of the joint use facility capital costs during the Forecast Period).

b. <u>Arlington County</u> – The projected Operating Expenses include the County's allocated share of the wastewater treatment and certain conveyance costs based on the wastewater flow relationships between the two entities as reflected in the service agreement. The projection of the total wastewater plant flows and wastewater plant operating expenses was provided by Arlington County as part of its financial planning process. For the Forecast Period, it was assumed that the County would account for approximately 10% of the total wastewater flows received at the Arlington County wastewater treatment facilities. Based on the estimated operating costs for the Arlington County facilities and the County's flow contribution to such facilities, the expenses for wastewater treatment and disposal services provided by Arlington were estimated as follows:

Estimated Wastewater Treatment Purchases from Arlington County - for the Forecast Period

	Fiscal Years Ending June 30,							
	2024	2024 2025 2026 2027 2028 2029						
Arlington Expenses	\$2,534,430	\$2,592,722	\$2,647,169	\$2,700,112	\$2,759,515	\$2,820,224		

The County also shares in the capital costs performed by Arlington County on certain facilities (with the County being responsible for approximately 7.5% of such capital costs). Any allocable capital costs that are required to be funded by the County are included in the capital improvement plan of the County since it is assumed that such improvements will not be financed by Arlington County on behalf of the County but will require the complete payment upfront by the County for its proportionate share of such capital costs.

c. <u>District of Columbia Water and Sewer Authority ("DC Water"</u>) – The projected Operating Expenses include the allocated share of the wastewater treatment and certain conveyance costs based on the wastewater flow relationships between the two entities as reflected in the wastewater service agreement. The projection of DC Water operating expense growth for the County is assumed at 4.3% a year based on expected capacity utilization and the FY2023 – FY2032 Financial Plan supporting the DC Water Fiscal Year 2024 budget. The estimated cost for wastewater treatment and disposal service by DC Water is shown below:

Estimated Wastewater Treatment Purchases from DC Water – fo	r the Forecast Period
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		Fiscal Years Ending June 30,						
	2024	2024 2025 2026 2027 2028 2029						
DC Water Expenses	\$17,787,153	\$18,595,001	\$19,437,585	\$20,316,401	\$21,233,007	\$22,189,027		

The County also shares in the capital costs performed by DC Water on the facilities that are considered as being allocable to the County (the County being responsible for 8.4% of such capital costs). Any capital costs that are required to be funded by the County for the allocated plant-in-service are included in the capital improvement plan of the County since it is assumed that such improvements will not be financed by DC Water on behalf of the County but will require the complete payment upfront by the County for its proportionate share of such capital costs.

d. <u>Upper Occoquan Service Authority ("UOSA"</u>) – The projected Operating Expenses include the allocated share of the wastewater treatment and certain conveyance costs based on the wastewater flow relationships between the two entities as reflected in the wastewater service agreement. The projection of the total wastewater treatment costs was provided by UOSA as part of its annual budgeting process and such costs were escalated for inflationary allowances. In addition, the County's allocated costs under the wastewater service agreement include deposits to a Reserve and Maintenance Account, which costs are allocated based on the County's reserved capacity in the UOSA facilities. For the Forecast Period, it was assumed that the County would account for an average of 37% of the total wastewater flows at the UOSA wastewater treatment facilities and maintain a 22.1 MGD capacity allocation in such facilities. With respect to the County, the costs considered as System Operating Expenses were estimated as follows:

Estimated Wastewater Treatment Purchases from Upper Occoquan Sewage Authority – For the Forecast Period

	Fiscal Years Ending June 30,						
	2024	2025	2026	2027	2028	2029	
Operating Expenses	\$13,439,778	\$13,748,893	\$14,037,620	\$14,318,372	\$14,633,376	\$14,955,311	
Deposit to Reserve and Maintenance Account	1,968,205	2,013,474	2,055,757	2,096,872	2,143,003	2,190,149	
Total Operating Expenses	\$15,407,983	\$15,762,367	\$16,093,377	\$16,415,244	\$16,776,379	\$17,145,460	

The County also shares in the capital costs expended by UOSA on the facilities based on the allocated capacity to the County (with the County being responsible for approximately 41% of the treatment-related capital costs; the conveyance allocation basis varies by allocated interceptor capacity). Any major treatment or conveyance capital expenditures are generally debt financed by UOSA and the County is responsible for its allocable share of the UOSA debt service payments with such debt

requirements being considered as subordinate to the County-issued bonds pursuant to the County's General Bond Resolution for the wastewater system (the payments are not reflected as an operating expense for financial reporting purposes by the County). It is assumed based on discussions with WMP staff that all UOSA capital funding requirements would be financed through UOSA- issued debt and not by the County and therefore additional subordinated indebtedness was assumed during the Forecast Period.

- e. <u>Utilities, Inc. (Colchester Public Service Corporation Facilities)</u> Colchester Public Service Corporation, which is wholly Utilities, Inc. currently operates and maintains a wastewater treatment and collection system for service within a development referred to as Harbor View which consists of approximately 170 accounts that are considered as retail customers of the County. No additional growth in the service area served by Utilities, Inc. wastewater facilities is anticipated by the County. The cost for wastewater treatment and collection service to be paid to Utilities, Inc. was based on recent invoices for services provided by Utilities, Inc. and costs were escalated annually for inflationary allowances for the remainder of the Forecast Period.
- 12. As of June 30, 2023, the County had \$703,154,000 in senior lien bonds outstanding issued pursuant to the General Bond Resolution ("Outstanding Senior Lien Bonds"). A summary of the debt service attributes for the Outstanding Senior Lien Bonds is presented below:

Description	Series 2014	Series 2016A	Series 2017	Series 2021A	Series 2021B	Total
Principal Amount of Bonds Outstanding [1]	\$36,150,000	\$156,685,000	\$80,155,000	\$191,990,000	\$24,210,000	\$489,190,000
Fiscal Year of Final Maturity	2029	2040	2048	2052	2043	
Annual Debt Service [2]:						
2024	\$5,958,531	\$12,729,304	\$5,549,542	\$11,858,704	\$895,650	\$36,991,731
2025	5,921,406	12,741,460	5,554,292	11,864,121	895,650	36,976,929
2026	5,947,398	12,751,085	5,554,979	11,871,058	895,650	37,020,170
2027	5,966,138	12,718,658	5,555,958	11,874,225	895,650	37,010,629
2028	5,971,740	12,687,763	5,561,990	11,877,944	895,650	36,995,087
2029	248,831	12,768,179	5,563,208	11,881,933	895,650	31,357,801

Outstanding Senior Lien Bonds and Debt Service Payments Recognized - for the Forecast Period

[1] Amounts shown reflect amounts outstanding as of June 30, 2023, as reported by the County in the Comprehensive Annual Financial Report.

[2] Amounts shown are presented on an accrued basis predicated on the monthly deposits made from System revenues, including Availability Charges, to a Debt Service Subfund for principal and interest payments coming due and do not reflect when the actual payments are made to investors by fiscal year (results in a timing difference).

The debt service requirements included in this Report for the Outstanding Senior Lien Bonds were based on the actual debt service schedules for the issue and are presented on a "gross" basis (i.e., not net of interest earnings on any debt service-related funds or accounts). Furthermore, the amounts shown are based on the monthly funding requirements for the Outstanding Senior Lien Bonds under the General Bond Resolution (essentially an accrual basis) as opposed to when the debt service requirements are actually paid by the County to the holders or investors of the respective Bonds.

13. The County has incurred and issued subordinate obligations to finance capital improvements to the System. The subordinate obligations consist of: i) loans incurred by the County from the State of Virginia's Water Facilities Revolving Fund loan program acting by and through the VRA; and ii) the County's share of debt service on bonds issued by UOSA for capital projects, which debt service is allocated to the County by a wastewater service agreement based on the amount of wastewater treatment capacity reserved for the County by UOSA. A summary of the Subordinate Obligations liability as reported by the County and the corresponding annual debt payments by individual subordinate obligation is set forth below:

Description	UOSA Revenue Bonds [2]	EDA Facilities Revenue Bonds, Series 2021	Total
Principal Amount of Bonds Outstanding [1]	\$180,102,882	\$20,585,000	\$200,687,882
Fiscal Year of Final Maturity	2043	2041	N/A
Annual Debt Service [3]:			
2024			\$0
2025	\$21,593,328	\$1,696,683	\$23,290,011
2026	\$22,049,847	\$1,697,583	23,747,430
2027	\$22,352,254	\$1,697,283	24,049,537
2028	\$22,352,311	\$1,696,354	24,048,665
2029	\$22,350,780	\$1,700,000	24,050,780

Outstanding Subordinate Obligations and Debt Service Payments Recognized – for the Forecast Period

[1] Amounts shown reflect amounts outstanding as of June 30, 2023, as reported by the County in the Annual Comprehensive Financial Report.

[2] The County has an allocable share of several series of subordinate obligations with UOSA with final maturities through 2043; amounts shown on a composite basis. Amounts shown for UOSA are also presented net of the receipt of Federal Direct Subsidies associated with the issuance of Build America Bonds ("BAB") and/or use of debt service reserve funds applied towards final maturity for repayment, if any.

[3] Amounts shown reflect the debt payments on an accrual basis (i.e., when payments are made by the County to be deposited to a debt service sinking or similar fund or as invoiced by the respective TBC provider and not when actual payments are made) associated with the Outstanding Subordinate Obligations loan repayment requirements.

The Outstanding Subordinate Obligations loan repayment requirements included in this Report were based on the actual loan repayment schedules for each issue. With respect to debt service issued on behalf of the County by UOSA, amounts shown include: i) federally taxable Build America Bonds ("BABs") issued pursuant to the American Recovery and Reinvestment Act of 2009 and are presented net of any applicable Federal Direct Subsidy Payments anticipated to be received from the U.S. Treasury associated with the BAB financing; and ii) the use of debt service reserve funds (funded from previous UOSA bond financings) applied to final payment for maturity, where applicable. The amounts shown are based on monthly funding (accrual basis) for the interest and principal components of the Subordinate Obligations. A summary of the Outstanding Subordinate Obligations debt service payments for the Forecast Period is included on Table 8 at the end of this Report.

14. To fund the capital improvement plan for the System as shown on Table 10 at the end of this Report, it is anticipated that the County will issue additional utility system revenue bonds on parity with the Outstanding Senior Lien Bonds (the "Additional Parity Bonds"). The issuance of such Additional Parity Bonds was assumed to be incurred consistent with the capital funding plan based on the estimated construction drawdown or needs schedule as identified in the County's Capital Improvement Plan shown on Table 10.

The following Additional Parity Bonds were assumed in the capital improvement financing plan reflected in this Report:

	Series 2024	Series 2026	Series 2028	Total
Principal Amount	\$188,776,799	\$393,631,471	\$313,380,000	\$895,788,270
Deposit to Construction Fund [2]	175,000,000	361,329,700	228,126,100	824,455,800
Issuance Date (On or About)	Jan 1,2024	Jan 1,2026	Jan 1,2028	N/A
Fiscal Year of Final Maturity	2054	2056	2058	N/A
Annual Debt Service Payment [3]:				
2024	\$2,897,325	\$0	\$0	\$2,897,325
2025	11,589,299	0	0	11,589,299
2026	11,589,299	9,840,787	0	21,430,086
2027	11,589,299	19,681,574	0	31,270,873
2028	11,589,299	19,681,574	7,991,190	39,262,063
2029	11,589,299	23,281,699	18,455,400	53,326,398

Proposed Additional Bonds and Annual Debt Service Payments – for the Forecast Period [1]

[1] Amounts reflect Additional Parity Bonds issued by the County in accordance with the General Bond Resolution (i.e., additional senior lien bonds).

[2] Amounts represent the amount of bond proceeds estimated to be available for capital funding; difference between the principal amount of bonds and the Construction Fund deposit is associated with the bond issue costs and the funding of a debt service Reserve Fund, as applicable.

[3] Amounts shown based on financing needs of the CIP and based on discussions with the County, assumes level debt service with a 30-year repayment term, 1.5% issuance cost, and average annual interest rates ranging from 4.5% to 5.2%; the ultimate structure, timing of issue, and sizing of the bonds will be developed by the County and its Financial Advisor; the amounts shown above are assumptions for general rate planning purposes.

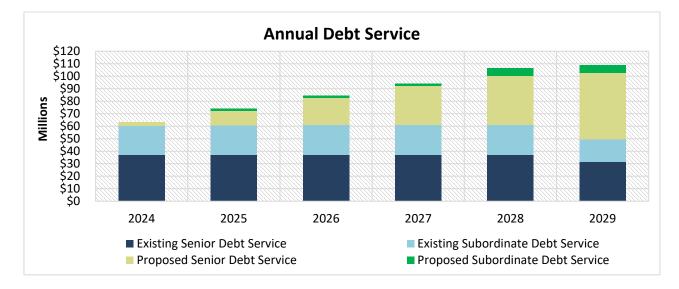
Table 8 at the end of this Report provides a summary of the annual Debt Service Requirements for each year of the Forecast Period assumed for the development of the financial forecast.

15. Pursuant to the wastewater service agreement between UOSA and the County, the County is, among other things, responsible for the payment of its allocable share of debt service on the bonds issued by UOSA. Historically, the County has treated its payment obligations to UOSA as a "Debt Service Component" of the "Cost of Contracted Services" under the County's General Bond Resolution on a basis subordinate to its Outstanding Senior Lien Revenue Bonds. Based on information provided by UOSA's financial advisor, the UOSA Board anticipates issuing additional bonds to finance certain capital improvements to their treatment facilities. The County anticipates participating in the next and future debt issuances by UOSA assumed as follows:

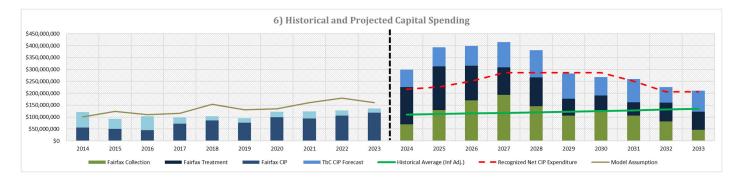
	Series 2024	Series 2027	Total
Principal Amount	\$32,915,955	\$72,915,900	\$105,831,855
Deposit to Construction Fund	31,116,400	68,929,500	100,045,900
Issuance Date (On or About)	4/1/2024	7/1/202	N/A
Fiscal Year of Final Maturity	2054	2057	N/A
Annual Debt Service Payment:			
2024	\$0	\$0	\$0
2025	1,988,884	0	1,988,884
2026	1,988,884	0	1,988,884
2027	1,988,884	0	1,988,884
2028	1,988,884	4,405,804	6,394,688
2029	1,988,884	4,405,804	6,394,688

Proposed UOSA Additional Subordinate Obligations and Annual Debt Service Payments – for the Forecast Period

The following chart provides a summary of the existing and proposed annual debt service requirements (senior and subordinate obligation debt) to be funded from the revenues of the System (rates and Availability Charges) during the Forecast Period:



16. The Capital Improvement Program for the System was based on: i) the current status of projects previously approved by the County under prior period budgets that are considered to be under construction or still a viable project for which the project appropriations are still outstanding (funds restricted for the project) for future construction as of June 2023; ii) the County's most recent Ten-Year Capital Improvement Plan (the "CIP"); iii) deferral of certain projects (level of spending) based on discussions with WMP staff to reflect adjustments for timing variances among appropriations and actual expenditures or reprioritization of capital spending; and iv) projections of TBC capital expenditure requirements as reported to the County by the TBC providers. To minimize the financial impacts to customers and based on a review of historical capital expenditures and discussions with staff, the financial forecast assumes the deferral of capital funding as shown below:



The capital improvement plan is summarized in Table 10 at the end of this Report. The following table provides a summary of the total funding requirements and proposed deferral:

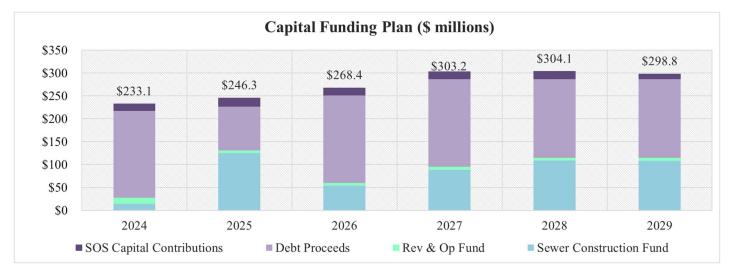
	Fiscal Year Ending June 30,						
Description	2024	2025	2026	2027	2028	2029	Total
CIP Plan [*]	\$322,412	\$404,182	\$409,527	\$426,774	\$391,713	\$294,200	\$2,248,808
Deferred Project Costs	(89,284)	(157,908)	(141,144)	(123,588)	(87,660)	4,554	(595,030)
Recognized Capital Funding	\$233,128	\$246,274	\$268,383	\$303,186	\$304,053	\$298,754	\$1,653,778
Less SOS Contributions	(15,628)	(20,024)	(17,133)	(16,936)	(17,803)	(12,504)	(100,028)
Net Retail Customer CIP Funding Recognized	\$217,500	\$226,250	\$251,250	\$286,250	\$286,250	\$286,250	\$1,553,750

Amount of Capital Funding Recognized in Retail Rates – for the Forecast Period (\$000s)

[*] Includes estimated allocable capital expenditures from TBC providers.

As can be seen above: i) Sales of Service ("SOS") customers are expected to directly contribute approximately \$100 million to the identified CIP plan based on the provisions of the wholesale service agreements between the County and the respective Sale of Service customers during the Forecast Period; and ii) based on discussions with WMP staff, the proposed capital funding plan deferred approximately \$595 million in CIP projects or funding requirements beyond the Forecast Period. The capital funding plan associated with the adjusted capital funding program was based on: i) the purpose of the expenditures (e.g., renewals and replacements, new customer-related); ii) available fund balances in accounts established by the County which are available for capital projects; iii) consideration of any anticipated Availability Charges projected to be received from new development which is recognized as a financial resource in the

development of the cash flow estimates of the System; iv) the use of existing proceeds from previously issued bonds; v) Additional Parity Bonds anticipated to be issued during the Forecast Period; and vi) additional Subordinate Obligations allocated to the County from anticipated debt issues by UOSA associated with their capital planning activities. The County's capital budget includes the planned UOSA subordinate debt service payments which are allocable to the County in lieu of the underlying capital projects funded from such debt. This presentation differs from the rate study, which includes the underlying and allocable projects planned to be debt financed by UOSA as shown on Table 10. For informational purposes we provide a reconciliation as shown on Table 10a which presents the UOSA debt service payments funding the underlying capital projects. The following provides a summary of the Capital Improvement Funding Plan assumed for the evaluation of rate sufficiency which is shown in greater detail on Table 11 at the end of this Report:



In total, the County is expected to fund approximately \$1.55 billion in County and TBC constructed capital improvements (after programed deferrals); net of direct Sales of Service capital contributions, the net capital plan expenditures (funding requirements) allocated to retail customers is approximately \$1.45 billion. To finance the capital needs of the System and as previously noted approximately \$925 million is assumed to be funded from additional debt proceeds during the Forecast Period. This implies that a significant portion of the capital program is funded from Sales of Service contributions and internal sources derived from rate revenues (ongoing operations) and existing cash reserves, including previously issued bond proceeds (as previously mentioned, all Availability Charges are applied to the payment of the annual Debt Service Requirement). This funding approach, which recognized a reasonable use of additional parity bonds, is also projected to result in the continued stabilization of retail wastewater rates over the long-term.

Recognized in the capital improvement program is the use of the Sewer Construction Fund (the "Sewer Construction Fund" designated by the County as Fund 69300), which assumes annual dedicated funding transfers from System operations to finance the recurring capital projects for the betterment or replacement of the capital fixed assets. This fund was established by the General Bond Resolution to be used by the County for, among other things, for paying the costs of unusual or extraordinary maintenance or repairs, repairs or maintenance not recurring annually, and additions to or improvements, extensions, or enlargements of the System. The purpose of the fund is to provide a defined ongoing annual capital financing mechanism to continue to provide high quality service (i.e., maintain same level of service) to its customers as the System plant-in-service ages and reaches the end of its useful service life. The General

Bond Resolution does not mandate a minimum funding requirement or an annual deposit for the Sub-Fund. For purposes of this Report and based on discussions with WMP staff the programed transfers to the Sewer Construction Fund recognized: i) minimum transfers at least equal to projected annual depreciation expense as a minimum target; and ii) upper target based on a capital funding allowance of 3.0% of County-owned depreciable net utility plant and additional transfers recognizing investments in capacity rights for the County's TBC providers and based on the level of identified capital improvement program funding requirements. The following table provides a summary of the projected transfer to the sewer construction:

	Fiscal Year Ending June 30,						
	2024	2025	2026	2027	2028	2029	
Total Recognized Deposits	\$63,962	\$76,591	\$81,076	\$86,238	\$89,487	\$104,495	
Upper Target at 3% of Net Depreciable Plant and TBC Capacity Entitlements [2]	\$99,644	\$104,735	\$110,256	\$117,095	\$124,601	\$132,002	
Lower Target at Depreciation	\$73,576	\$77,336	\$81,412	\$86,462	\$92,005	\$97,469	

Programmed Deposit to Sewer Construction Fund (Capital Reinvestment) for the Forecast Period (in \$000s) [1]

[1] Reflects deposits for ongoing renewals, replacement, and betterments of utility plant, but does not include deposits for the wastewater line extension program for developed but unserved customers.

[2] Amounts shown determined based on the County's audited financial statements, historical fixed asset records, including TBC provider capacity entitlements, and projected CIP additions.

As can be seen above, the forecast assumes annual deposits to the Sewer Construction Fund approximately equal to annual depreciation of the projected total gross depreciable fixed assets of the System during the Forecast Period, which is considered a strong rate for the annual (recurring) funding of capital reinvestment.

- 17. In addition to the minimum deposits to the Sewer Construction Fund for ongoing renewals, replacement and betterments of utility plant, the County also deposits funds into an account to fund the extension of wastewater service to developed but unserved customers. WMP and County policy is to make deposits into the fund (considered as a sub-fund of the Sewer Construction Fund) until there is on deposit an unencumbered balance of \$5,000,000 for service extensions and then no further deposits are assumed. In addition, the County also deposits other related revenue into this account for service extension purposes (lateral spur fee, connection charge, and frontage fee revenues).
- 18. Included as a source of funds is interest income earned on available System fund balances. For the Forecast Period, interest income was based on the estimated balances for all cash accounts or funds anticipated to be on deposit for the System and the availability of such earnings to fund the revenue requirements based on the purpose of the fund. The earnings on cash balances included the Revenue Subfund, Debt Service Subfund, Debt Service Reserve Subfund, Sewer Construction Subfund, and other funds established by WMP, including the capital-related accounts, which were recognized as being available to fund System revenue requirements. Earnings on the estimated Availability Charge balances (although considered as a component of operating revenues) were assumed to be restricted for expansion-related expenditure funding to provide a match between the general purpose of the fund. The earnings on Availability Charge Fund balances were assumed in this Report to: i) not be a component of the Gross Revenues and not be available to fund the revenue requirements or for determination of the rate covenant as defined in the General Bond

Resolution for the System; and ii) only available to provide an additional source of funds for expansionrelated debt repayment (availability fees only) and for capital expenditure financing in relation to expansionrelated projects as designated from time-to-time by the County. A summary of the interest earnings recognized in the financial forecast for each Fiscal Year of the Forecast Period is summarized as follows:

	Fiscal Year Ending June 30,					
	2024	2025	2026	2027	2028	2029
Unrestricted Interest Earnings:						
Funds 69000 and 69010 – Revenue Fund [1]	\$1,582,000	\$1,558,000	\$1,764,000	\$1,808,000	\$1,891,000	\$1,974,000
Fund 69300 – Sewer Construction Fund	1,817,000	1,834,000	1,869,000	2,208,000	2,010,000	1,787,000
Fund 69300A – Sewer Construction Fund	33,000	83,000	114,000	120,000	128,000	137,000
Fund 69020 – Debt Service Fund [2]	266,000	324,000	433,000	506,000	576,000	652,000
Fund 69030 – Debt Service Reserve Fund [3]	765,000	972,000	1,316,000	1,551,000	1,820,000	2,097,000
Fund 69040 – Subordinate Obligations Fund	116,000	129,000	145,000	145,000	173,000	141,000
Total Unrestricted Interest Earnings [3]	\$4,579,000	\$4,900,000	\$5,641,000	\$6,338,000	\$6,598,000	\$6,788,000
Restricted Interest Earnings:						
Fund 400-A –Availability Charge Fund [4]	0	0	0	0	0	0
Fund 69310 – Bond Construction Fund	862,000	17,000	20,000	20,000	21,000	22,000
Total Restricted Interest Earnings [5]	\$862,000	\$17,000	\$20,000	\$20,000	\$21,000	\$22,000
Total Interest Earnings	\$5,441,000	\$4,917,000	\$5,661,000	\$6,358,000	\$6,619,000	\$6,810,000

Summary of Projected Interest Earnings – for the Forecast Period

[1] Reflects estimated earnings on available cash balances in Funds 69000 and 69010 and were assumed to benefit existing customers and, therefore, earnings are available to meet any expenditure requirement allocable to existing customers.

[2] Amounts shown include additional interest earnings due to increases in annual debt service payments and debt service reserves balances based on the issuance of the Additional Parity Bonds.

[3] Reflects earnings on various funds which are recognized in development of Gross Revenues.

[4] Reflects earnings that were assumed to be allocable to new customers (expansion-related) and therefore were assumed to be restricted to this particular fund and not included as a component of Gross Revenues.

[5] Interest earnings presented for information purposes only; amounts were assumed to be restricted for a specific purpose and not included in the forecast of Gross Revenues.

19. Based on the assumptions recognized in the development of the financial forecast and the actual Fiscal Year 2023 results, the following forecast of the net revenue requirements and availability of funds for financial performance evaluations was estimated:

	Fiscal Year Ending June 30,					
	2024	2025	2026	2027	2028	2029
Gross Revenue Requirements:						
Operating Expenses	\$140,193	\$142,695	\$147,462	\$152,312	\$157,377	\$162,030
Senior Lien Debt Service	39,889	48,566	58,450	68,282	76,257	84,684
Subordinate Lien Debt Service	23,290	25,736	26,038	26,038	30,445	24,361
Sewer Construction Fund Deposit [2]	63,962	76,591	81,076	86,238	89,487	104,495
Sewer Construction Fund Deposit (Extension Program)	3,000	1,479	0	0	0	0
Transfer to Reserves	1,110	1,028	1,959	1,993	2,081	1,912
Departmental Capital from Rates [3]	13,243	6,000	6,180	6,365	6,556	6,753
Total Gross Revenue Requirements	\$284,687	\$302,095	\$321,165	\$341,228	\$362,203	\$384,235
Less Other Revenue and Income:						
Sales of Service and Other Revenues [4]	(\$11,144)	(\$11,518)	(\$11,973)	(\$12,449)	(\$12,944)	(\$13,462)
Other Operating Revenues	(775)	(775)	(775)	(775)	(775)	(775)
Unrestricted Interest Income	(4,579)	(4,900)	(5,641)	(6,338)	(6,598)	(6,788)
Transfers from Reserves – Fund 69000	0	0	0	0	0	0
Availability Charges – Pay Expansion-related Debt [5]	(18,286)	(18,896)	- · ·	(20,446)	(21,332)	(22,015)
Net Revenue Requirements	\$249,903	\$266,006	\$283,005	\$301,220	\$320,554	\$341,195
Recognized System Rate Adjustment:						
Existing Rate Revenue – Fiscal Year 2023 Rates	\$249,903	\$254,874	\$256,139	\$257,406	\$258,688	\$259,974
Effective Rate Adjustment [6]	n/a	5.9%	5.9%	5.9%	5.9%	5.9%
Cumulative Additional Rate Revenue from Adjustments [6]	<u> </u>	11,133	26,867	43,814	61,867	81,221
Adjusted Rate Revenue with Rate Adjustments	\$249,903	\$266,007	\$283,006	\$301,220	\$320,555	\$341,195
Surplus / (Deficiency)	\$0	\$0	\$0	\$0	\$0	\$0

Projected Net Revenue Requirements from Rates – for the Forecast Period (\$000s) [1]

[1] Amounts shown derived from Table 6 at the end of this Report.

[2] Reflects total transfers to the Sewer Construction Fund, excluding transfers for the extension program, and include: i) minimum transfer for capital funding allowance targeted at 3.0% of County-owned depreciable utility plant; and ii) additional transfers recognizing investments in capacity rights for the County's TBC providers and funding requirements of the identified capital improvement program.

[3] Reflects equipment funded annually from rate revenues (short service life assets which are replaced on a recurring basis).

[4] Includes Sales of Service customer operating expense contributions, other miscellaneous operating revenues, and bond-funded Construction Funds which were assumed to be restricted to such account.

[5] The first priority for the use for Availability Charge revenues by the County is to fund new customer-related debt service payments. Since the full debt service requirement is included as a component of the gross revenue requirements, the application of the estimated charges collected provide additional monies for funding operating reserves at minimum reserve levels and for additional capital funding (was recognized as available funds in the overall capital financing plan). If the Availability Charge funds were not available as a financial resource to the System, the following could result: i) an increase in additional bonds issued would result to fully fund the capital program assumed for the Financial Forecast with a corresponding increase the total debt service payment liability; ii) a need to increase retail rates higher than recommended to provide additional funds to replace the financial reduction in cash flow due to reduced Availability Charge receipts; and/or iii) the amount of funding for the capital plan would need to be reduced or deferred.

[6] Amounts shown reflect the estimated increased rate revenue based on the implementation of the proposed rate recommendations as identified in this Report.

The following table provides a summary of the recommended rate adjustments for the Forecast Period:

	Existing	Fiscal Year Ending June 30,				
Description	2024	2025	2026	2027	2028	2029
Currently Approved Rates:						
Quarterly Base Charge	\$44.81	\$49.73	\$52.62	\$55.41	\$58.35	N/A
Flow Charge	\$8.46	\$8.81	\$9.33	\$9.83	\$10.35	N/A
Rate Revenue Adjustment:						
Effective Increase [2]	6.2%	5.9%	5.9%	5.5%	5.3%	1.3%
Annualized Increase [3]	6.2%	5.8%	5.9%	5.3%	5.3%	0.0%
Recommended Rates:						
Quarterly Base Charge	\$44.68	\$49.51	\$52.31	\$55.36	\$58.55	\$61.92
Incremental Base Charge Increase [4]	<u>0.13</u>	0.22	0.31	0.42	<u>0.53</u>	0.65
Quarterly Base Charge (w/Oversizing)	\$44.81	\$49.73	\$52.62	\$55.78	\$59.08	\$62.57
Flow Charge	\$8.43	\$8.77	\$9.27	\$9.81	\$10.37	\$10.96
Incremental Flow Charge Increase [4]	<u>0.03</u>	<u>0.04</u>	<u>0.06</u>	<u>0.07</u>	<u>0.09</u>	<u>0.12</u>
Flow Charge (w/Oversizing)	\$8.46	\$8.81	\$9.33	\$9.88	\$10.46	\$11.08
Rate Revenue Adjustment:						
Effective Increase [2]	6.2%	5.9%	5.9%	5.9%	5.9%	5.9%
Annualized Increase [3]	6.2%	5.8%	5.9%	5.9%	5.9%	5.9%

Recommended Quarterly Rate Adjustments to Retail Rates by Fiscal Year

[1] Amounts shown reflect the projected effective revenue increase as applied to projected customer billing statistics assuming rates are in effect for nine (9) months of the Fiscal Year. The County recognizes rate adjustments to service rendered effective July 1st of each fiscal year (e.g., bills rendered during the first quarter of the Fiscal Year relate to service provided during a portion of the prior fiscal year).

[2] Amounts shown reflect the annualized rate revenue increase based on rate increases assumed for an annualized 12-month period as applied to projected customer billing statistics.

[3] The developer oversizing increase is due to the Reimbursement Policy revised by the County this year.

1. The County recently revised the "Statement of Policy Regarding Sewage Disposal" policy on December 6, 2022. Included within this policy is the ability of the County to reimburse the developer for the entire cost of the wastewater line that needs to be enlarged with exception to the capacity required by the developer for their project. The policy will reimburse the developer for a pro-rata portion of the cost to oversize wastewater conveyance infrastructure to the size required by the comprehensive plan ("Reimbursement Policy"). Raftelis developed a technical memorandum with more detail on this policy which can be found in Appendix B of the report. The memorandum had several key assumptions: i) forecasted developer oversizing at \$15M per year of which a pro-rata portion would be covered by the County which results in \$11.25M of capital cost the county would be responsible for, ii) the revenues forecasted in the memorandum assumed no further rate increases in the 10 year forecast period, iii) a growth in ERCs of 3,000 new connections per year, and iv) a debt structuring of 30 years for financing the improvement costs. The above increases due to the Reimbursement Policy differ slightly from the memorandum due to the projected rate increases in the forecast period. The overall user fee bill impact is slightly less than shown in the memorandum.

FIXED COST RECOVERY

In Fiscal Year 2013, WMP evaluated changing the cost recovery structure of attributes of the rates to recover fixed costs of operations more fully from a constant base charge and subsequently adopted a multi-year rate plan to phasein over-time a base charge to more equitably recover the cost of providing wastewater service based on the recommendations of the rate consultant. The purpose of the charge was to recognize that the System has and continues to invest a significant amount of capital in the System and must provide service on a "readiness-to-serve" basis (which links to demand or capacity reservation, not flow).

This change was in keeping with industry norms; the advantages and disadvantages to this structure are as follows:

	Advantages	Disadvantages
1.	Increases revenue stability since a higher proportion of the rate revenues are recovered on a fixed basis (not subject to flow which is variable and has been decreasing).	 Low-flow customers may experience a higher proportionate (%) increase in wastewater charges during the implementation phases of the rate structure change. Results in a higher percentage (%) increase to the bill when
2.	Reflects industry trends in rates, especially as the predictability in flows and corresponding revenue per customer decreases.	compared to the change in rates based on the application average rate adjustment.
3.	Promotes fairness since it recovers costs from users that impact the System from a demand standpoint even though the amount of use may be low.	 May be more difficult to explain utility bill to customers since reflects a change (recent) in rate structure and most do not understand the magnitude of the capital investment required to serve the customer base.
4.	Residential Customers with low winter quarter average to total annual use relationships are paying their fair share of the cost of providing service.	
5.	Structure favorably viewed by Credit Rating Agencies since tends to increase rate revenue predictability and recovery.	

The recommended rates as previously presented continue the phase-in of the fixed cost recovery charge over a five-(5) fiscal year period to limit the immediate or upfront impact to low use customers resulting from the rate structure change (this is also consistent with recommendations in the 2023 Report). The recommended rates were designed to: i) target a fixed cost recovery relationship (i.e., the percent of total rate revenue recovered from a non-volumetric rate) equal to approximately 25% of the total rate revenues by the end of the phase-in period; and ii) maintain a constant flow charge during such phase-in period, all as based on the then revenue requirement needs (cost recovery) of the wastewater system. The recommended rates for the Fiscal Year 2024 continue the overall rate initiative to increase the fixed cost recovery with the goal of targeting an approximate 25% in such fiscal year. The following chart provides a summary of the fixed and variable charge revenue recover under recommended rates:

100%		Proposed Re	tail Rate Rev	enue - Fixed v	vs Variable (%	5)
90% 80%	24.4%	25.6%	25.8%	25.8%	25.8%	25.8%
70% 60% 50%	75.6%	74.4%	74.2%	74.2%	74.2%	74.2%
5070	2024	2025	2026	2027	2028	2029
	1	Flow Charge R	evenue	Fixed Charge Revenue		

RESIDENTIAL CUSTOMER IMPACT AND SEWER CHARGE RATE COMPARISON

The average residential customer for the System is billed approximately 16,000 gallons of wastewater service on a quarterly basis (5,333 gallons per month). A comparison of the wastewater bill for service between the County and several utilities surveyed is shown on the table below:

Single-family Residential Wastewater Service 16,000 Gallons of Billed Wastewater Service per Quarter [1][2]

	Quarterly Bill
Fairfax County:	
Existing Rates – Fiscal Year 2024 [3]	\$180.17
Recommended Rates – Fiscal Year 2025 [3]	190.69
Other Neighboring Utilities:	
City of Alexandria (Served by AlexRenew) [3][4]	270.67
Arlington County	167.28
DC Water [3][5]	336.01
Prince William County Service Authority [3]	128.38
Loudoun Water [3]	147.25
Washington Suburban Sanitary Commission [3][6]	223.83
Survey Average	\$212.24

 Unless otherwise noted, amounts shown reflect residential rates in effect October 2023 (Fiscal Year 2024 rates) 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.

- [2] It should be noted that utilities may differ as to the term of billing period and units of measurement used to determine the respective utility customer's wastewater bill. For the purposes of this comparison, all calculations shown have been adjusted to reflect bills rendered on a quarterly basis.
- [3] Utilities shown bill a fixed cost or base charge per billing period per respective account or meter.
- [4] The bill shown for Alexandria Renew Enterprises includes the collection system or facilities charge billed by the City of Alexandria to provide consistency to the rates charged for the other surveyed utilities.
- [5] Amounts shown assumes: i) the Clean Rivers Impervious Area Charge of \$21.86 associated with runoff entering the sewer system; ii) a 50% allocation of the \$7.75 metering fee; iii) a 50% allocation of 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.
- [6] 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 16,000 gallons per quarter 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.

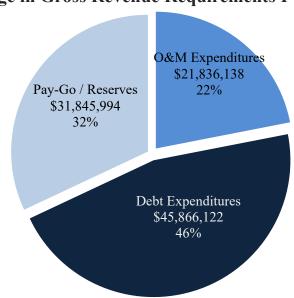
As can be seen in the prior comparison, the Fiscal Year 2024 existing rates and Fiscal Year 2025 recommended rates produce bills which are lower on average when compared with other neighboring regional utilities for similar service for the typical residential customer. It should be noted that several of the utilities surveyed are anticipating a rate change in the next 12 months (pursuant to a rate evaluation that is underway, an adopted rate-phasing program, or through the application of an inflation-based price index), which should promote the ongoing competitive position of the County's rates during the Forecast Period.

PRIMARY REASONS FOR RATE ADJUSTMENTS

The primary reasons for the continued implementation of additional rate adjustments during the Forecast Period include:

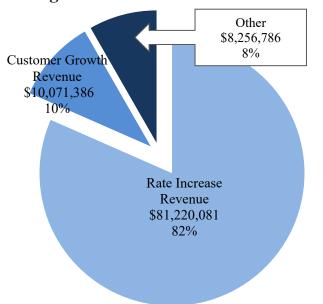
- 1. Continued inflationary impacts on the cost of providing service and construction of capital improvements, especially as the economy continues to improve and the demand for goods and services increases;
- 2. Issuance of additional indebtedness required to fund the WMP identified capital program associated with repairs, betterments, and improvements and compliance with regulatory driven capital improvements (i.e., Chesapeake Bay Program);
- 3. The need to maintain existing net revenue margins to promote a sound capital reinvestment program on a "Pay-As-You-Go" basis, which reduces the need for issuing debt and maintains lower rate levels over the long-run; and
- 4. The need to meet the adopted financial policies and targets for the System which, among other things, is structured to be an "AAA" credit utility which results in the lowest costs to borrow and recognizes the reduced financial risks to the System resulting in a long-term sustainable (lowest cost over time) rate program. The presentation of the financial position can be found in subsequent sections of this report.

The following charts provide an illustration of the incremental increased expenditures (i.e., changes in cost) in gross revenue requirements and revenues during the Forecast Period to highlight the rate drivers and funding sources for the increases in overall costs:



Change in Gross Revenue Requirements FY24 - FY29

As can be seen above, the incremental increase in gross revenue requirements for the Forecast Period is attributable to: i) an increase of \$21.8 million in annual operating expenses accounting for approximately 22% of the total increase in revenue requirements; ii) \$45.9 million increase in additional annual debt service payments accounting for approximately 46% of the total change in revenue requirements (financing of capital expenditures); and iii) \$31.8 million increase in additional transfers to capital reserves to fund Pay-Go capital and maintain financial margins and promoting a strong fiscal position which accounted for approximately 32% of the total projected change in revenue requirements. As previously discussed, to finance the incremental increase in annually recurring revenue requirements, the forecast recognizes the application of annual rate (revenue) adjustments. However, customer additions due to new developments also contribute to the growth in operating revenues. The following chart provides a summary of the sources for the growth in revenues projected during the Forecast Period:



Change in Gross Revenues FY24 - FY29

As can be seen from the above chart, 82% or \$81.2 million of the incremental growth in revenues is attributable to application of adopted and identified rate adjustments which represents the majority of the increase in revenues for the Forecast Period. Increased rate revenue derived from additional customer growth and minor changes in income and funds from other sources account for approximately 10% or \$10.1 million of the projected growth in revenues during the Forecast Period. The remainder of the increase in revenues is attributable to other operating revenues, including Sales of Service and amount to approximately \$8.3 million or 8% of the change in revenues anticipated for the Forecast Period.

Debt Service Coverage and Covenant Compliance

An important component in the development of the revenue sufficiency analysis is the determination of whether the rate covenants as outlined in the General Bond Resolution authorizing the issuance of System-related Outstanding (Senior Lien) Bonds and any Additional Parity Bonds (the "County Bonds") will be met. Generally, these covenants are in the form of certain debt service coverage ratios, which are applicable to the level of rates both currently and projected to be in place.

The County's General Bond Resolution contains a rate covenant (reference is made to Article V, Section 501 (a)), which provides that the County will at all times fix, charge, and collect reasonable rates and charges so that:

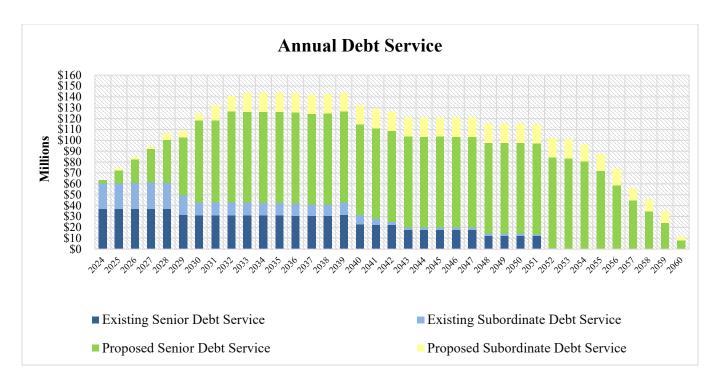
"The Net Revenues, excluding for purposes of paragraph (a)(i)(A) Excluded Revenues, will be sufficient to provide in each Bond Year an amount at least equal to

- (A) one hundred twenty-five percent (125%) of the sum of
 - (*I*) the Principal and Interest Requirements in such Bond Year on account of all the Bonds then outstanding under this Resolution in such Bond Year, and
 - (II) the Debt Service Requirement relating to Parity Indebtedness in such Bond Year; and
- (B) one hundred percent (100%) of the sum of
 - (I) the debt service requirements of Subordinate Obligations in such applicable Bond Year,
 - (II) the Debt Service Requirements relating to Parity Indebtedness in such Bond Year; and
 - (III) the sum of Principal and Interest Requirements in such Bond Year on account of all the Bonds then outstanding under this Resolution in such Bond Year."

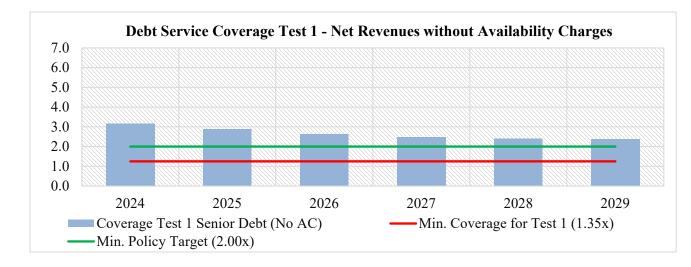
Under the terms of the Financing Agreement, the County shall fix, charge, and collect reasonable rates and charges so that:

"...each Fiscal Year the Net Revenues Available for Parity Debt Service willequal at least the amount required during the Fiscal Year to pay the principal of and interest on the Local Bond, the Additional Payments, if any, and all other Parity Indebtedness and Subordinate Indebtedness of the Borrower payable from Net Revenues Available for Parity Debt Service."

As can be seen from the following chart and based on the financial forecast presented in this Report, the projected annual debt service payments on the Outstanding and Additional Parity Bonds and Subordinate Obligations are the highest in the most recent years of the repayment period for such bonds. After Fiscal Year 2029, the County will have available future additional bonding capacity to fund capital needs of the System due to certain Outstanding Bonds and Subordinate Obligations maturing and no longer being an outstanding obligation of the System. This debt structure will provide the County with a significant amount of financial flexibility relative to the funding of its future capital improvement program.

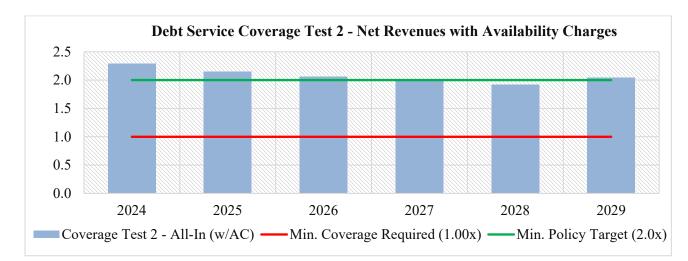


As shown below and summarized on Table 7 at the end of this Report, the System anticipated revenue, which recognize the recommended rate adjustments as identified in this Report for the Fiscal Years 2024 through 2029, are projected to be adequate for the Forecast Period to meet the rate covenant requirements defined in the County's General Bond Resolution.



As can be seen from the prior charts and assuming the implementation of the recommended rates as identified in this report and based on the assumptions made in the development of the Financial Forecast, it is anticipated that: i) System Net Revenues (not including Availability Charges which are referred to as Excluded Revenues) are projected to meet the minimum 125% debt service coverage requirement on the County Bonds and Additional Parity Bonds assumed to be issued during the Forecast Period (previously referred to as the "County Bonds") as required by the General Bond Resolution; ii) System Net Revenues are projected to meet the 100% debt service coverage requirement of the sum of the debt service requirements of the County Bonds and the Subordinate Obligations; and iii) the Net Revenues after the payment of the debt service payments on the County Bonds are projected to meet the

loan coverage requirement as required by the VRA Financing Agreement executed with the Virginia Water Facilities Fund during the Forecast Period.



Projected Financial Position and Performance Measures

Included as part of the development of the Five-Year Financial Forecast and the review of the overall sufficiency of revenues, is an evaluation of the System financial position which recognize the implementation of the recommended rates as identified for the Forecast Period. This evaluation includes the development of certain industry ratios and financial performance indicators to evaluate "where the System is estimated to be financially" during the Forecast Period and to illustrate the projected financial position of the System based on the assumptions documented in this Report. In the development of the net revenue requirements to be funded from rates, consideration as to the financial performance was recognized. The primary purpose of this additional analysis was to continue to promote a financial plan designed to maintain a strong credit rating, especially when one recognizes the current financial constraints being placed upon the System (e.g., lower trends in growth and development, need to meet increased regulations due to Chesapeake Bay Program, etc.). The analysis includes a series of charts and figures prepared to provide WMP with a visual representation of the financial and statistical trends in the selected financial ratios or benchmarks anticipated for the System over the Forecast Period. A complete copy of the Management Dashboard prepared as a component of the financial modeling process is included in Appendix A at the end of this Report. The following is a brief description of key financial ratios and financial results evaluated for WMP's consideration.

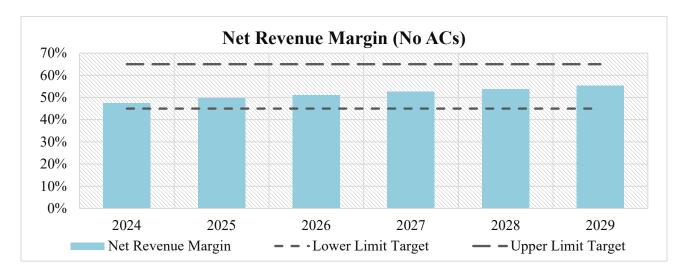
NET REVENUE MARGIN RATIO

The Net Revenue Ratio is a measure of a utility system's ability to meet its operating expenses and indicates the net contribution margin estimated to be earned by the System. The contribution margin represents the amount of Net Revenues from System operations that are available to meet other expenditure requirements after the payment of the operating expenses, exclusive of depreciation expense which is a non-cash expense (i.e., funds available for debt service payments, deposits to the Sewer Construction Fund, etc.). Since Availability Charge revenues are restricted for expansion-related expenditures and represent a one-time charge per customer (i.e., not considered as a recurring revenue), Raftelis has not recognized the Service Availability Charge revenues in the evaluation of the Net Revenue Margin ratio. A relatively low Net Revenue Margin ratio (e.g., 25 percent) indicates that a large portion of operating revenue is used to pay operating expenses and may indicate a low capital re-investment rate for asset renewals, replacement, and betterment. A higher Net Revenue Margin ratio (e.g., 45 percent) indicates a greater portion of operating revenues is available for System expenditures after the payment of operating expenses (e.g., increased

capital reinvestment). As can be seen below and assuming the implementation of the recommended rate adjustments as identified in this Report, the Net Revenue Margin ratio is projected to increase during the Forecast Period which indicates that System contribution margins will also increase thereby supporting increased pay-as-you-go ("PAYGO") capital financing.

	Fiscal Year Ending June 30,					
Description	2024	2025	2026	2027	2028	2029
Net Revenues	\$126	\$141	\$154	\$168	\$183	\$200
Gross Revenues	\$266	\$283	\$301	\$321	\$341	\$362
Net Revenue Margin	47.4%	49.6%	51.1%	52.5%	53.8%	55.3%
Targets:						
Lower Limit Target	45.0%	45.0%	45.0%	45.0%	45.0%	45.0%
Upper Limit Target	65.0%	65.0%	65.0%	65.0%	65.0%	65.0%

Net Revenue Margin (No Availability Charges) (Millions)

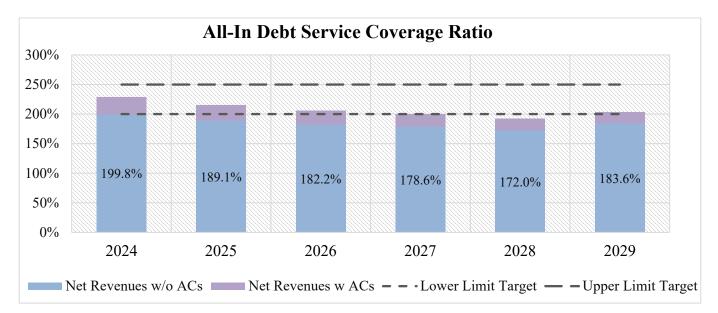


Raftelis recommends that WMP should aim to maintain the System Net Revenue Margin ratio at a target level ranging from 45% to 65% during the Forecast Period to promote the financial health of the System and provide the ability to accrue funds for capital re-investment as discussed later in this section. This target is also within the median range identified by FITCH for municipal water and wastewater utilities. It is projected that the System will maintain a favorable Net Revenue Margin ratio (at or an amount slightly above the upper target) throughout the Forecast Period. This indicates that the estimated identified rates on a stand-alone basis are anticipated to produce sufficient revenue to fund other utility expenditures and that the System is not totally reliant on the use of Availability Charges to fund annual expenditures during the Forecast Period. This ratio is considered favorable by Raftelis, but WMP will need to monitor its operating expenses closely after the CIP program to assess any potential incremental or unknown changes in operating expenses resulting from the implementation of the CIP.

ALL-IN DEBT SERVICE COVERAGE

In addition to the debt service coverage ratio by individual category (priority) of bonds as discussed earlier in this report, an evaluation of the debt service coverage on a combined or "All-in" basis was prepared. This calculation presents the debt service coverage for the aggregate of all System- related debt and loans paid from System revenues.

This ratio more accurately reflects the ability of the Net Revenues of the System to fund the total annual debt service requirements, regardless of payment seniority. The ratio includes a presentation using only System Net Revenues since Availability Charges (although considered as a pledged revenue) are one-time fees and not considered as a recurring revenue for ongoing debt repayment purposes. Additionally, the rating agencies rely on this ratio in the review of utility credits since it links to the total ability to pay debt from ongoing revenues of the utility over the life of the repayment term of such debt and presents the overall leveraging capability of such utility. Raftelis would recommend that the County consider the evaluation of the debt on a Net Revenue-only basis to promote the overall financial health and ability to pay the debt in the future. The All-In Debt Service Coverage ratio for the Forecast Period is presented below:



Raftelis recommends that WMP should aim to maintain a minimum debt service coverage ratio determined on a Net Revenue basis (i.e., without Availability Charges) at a target level of 200% and with inclusion of the Availability Charges at 250%. This range was based on the financial policies approved by the Board and the median debt service coverage ratio as reported by credit rating agencies that are typical for an "AAA" rated utility. With respect to the County's financial policy, the County Board of Supervisors approved a resolution that adopted financial policies for the financial management of the System. These policies are not legally binding but "...state the current and continuing good faith intentions of this Board of Supervisors as to its intended management of the System and its finances." These policies which are considered by WMP in its financial planning activities and in the preparation of the financial forecast state that the Net Revenues of the System, less any Excluded Revenues, will be sufficient to provide the following:

"...an amount at least equal to the sum of two hundred percent (200%) of the sum of (A) the Principal and Interest Requirements in such Bond Year on account of all the Bonds then outstanding under the General Resolution in such Bond Year and (B) the Debt Service Requirements relating to Parity Indebtedness in such Bond Year (the "Senior Debt Service Coverage Policy")."

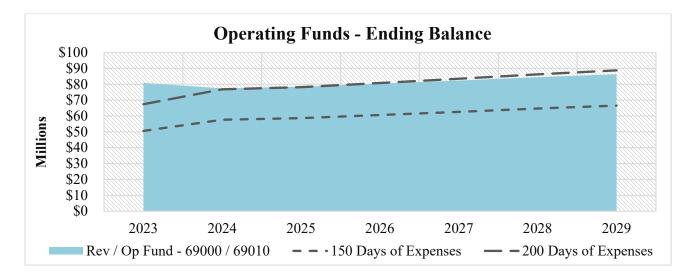
As can be seen from the prior chart, it is projected that the Net Revenues will approximate the target delineated in the County's financial policy and the range reflected in the financial forecast. The debt coverage improves when consideration of Availability Charge revenues is recognized. This ratio is considered favorable by Raftelis and will

support the County's ability to issue Additional Parity Bonds or Subordinate Obligations and to limit the financial risk to the utility.

AVAILABLE WORKING CAPITAL AND CASH BALANCES

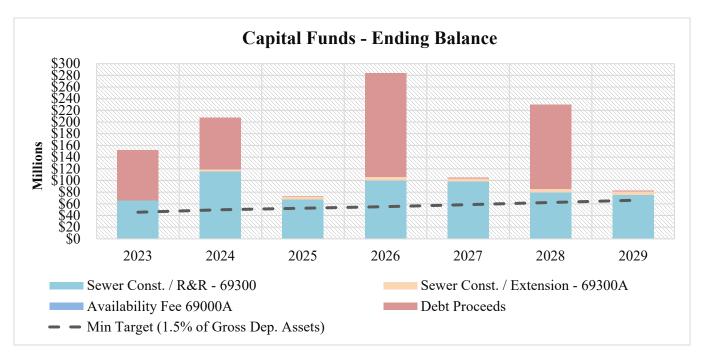
Another important component of the evaluation of the System operations is the resulting ending cash balance or cash position of the utility. The estimated cash flows (deposits and withdrawals) and projected ending cash balances for the Forecast Period are shown in detail on Table 9 at the end of this Report. In the evaluation of System liquidity, the cash balances were segregated as either i) operating reserves (not restricted to debt payment and capital expenditures); ii) capital reserves dedicated for ongoing and future capital improvements, replacements, upgrades, and betterments; or iii) restricted for other purposes (i.e., debt service sinking fund and/or reserves, customer deposits, etc.).

With respect to the operating reserves (Funds 69000 and 69010), Raftelis recommends that WMP should aim to maintain a minimum working capital or operating reserve fund balance ranging from 150 to 200 days of operating expenses. This range was based on discussions with the financial community, general guidelines published by the Governmental Finance Officers Association, and median liquidity ratios as reported by credit rating agencies that are typical for an "AAA" rated utility. It is projected based on the assumptions recognized in the development of the Financial Forecast that the fund balances will meet upper range of the targeted liquidity balance and that the projected ratio results are considered as being favorable by Raftelis and will support the County's ability to limit the financial risk to the utility.



With respect to capital reserves, such cash reserves include funds: i) received from Availability Charges (used towards the payment of new customer debt and capital costs); ii) received through the issuance of additional debt for capital construction; and iii) received from rate revenues (operations) and deposited to the Sewer Construction Fund for ongoing recurring capital re- investment. This segregation of funds allows the County and Raftelis to fully evaluate the liquidity picture based on the intent of the purpose of the funds.

The following is a summary of the estimated ending cash balances in the capital funds for the Forecast Period based on the forecast of the annual cash flow derived from System operations and the capital funding plan previously presented in this report (which does assume the issuance of additional parity bonds):



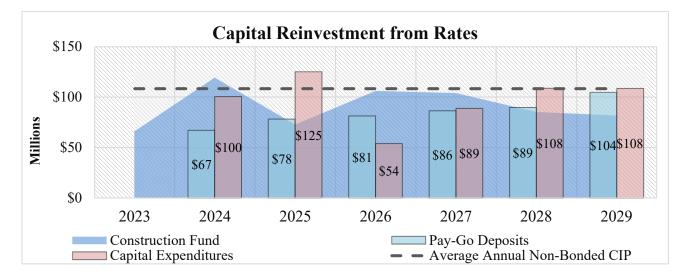
As can be seen above the capital funds generally fluctuate during the Forecast Period. Fluctuations in cash balances are due to the timing of capital needs and the timing of the issuance of additional debt (not all of the debt proceeds are expended in one fiscal year – the debt proceeds are projected to fund projects over multiple years which is also consistent with prior County debt-management practices).

Should the cash position be less than what is currently identified in the financial forecast as presented in this Report, the County does have the option to increase the amount of additional debt to fund the identified capital needs or to defer capital spending during the Forecast Period if this option is prudently available. Therefore, it is recommended that WMP staff continue to closely monitor the cash position for the Sewer Construction Fund and the anticipated capital needs of the System to promote a balanced capital funding plan that supports the overall fiscal position of such System.

With respect to the Availability Charge funds, the forecast assumes the use of all availability charge revenues anticipated to be received to fund expansion-related debt service payments; accordingly, minimal or no Service Availability Charge Fund balances are assumed to be carried (maintained) through the Forecast Period. The remainder of capital-related fund balances is associated with debt proceeds and is generally assumed to be spent within three years of the issuance of the debt during the Forecast Period.

As previously discussed, the forecast assumes annual transfers to the Sewer Construction Fund for capital reinvestment for annual operations. Such transfers are necessary to recognize that the primary need for the funding of capital expenditures deals with existing customer requirements (i.e., renewals, replacements, betterments, and upgrades to the existing plant-in-service). This is due to the constructed fixed assets or utility plant continuing to reach its useful service life as the System ages and the impact of regulations on the cost of treatment (i.e., the

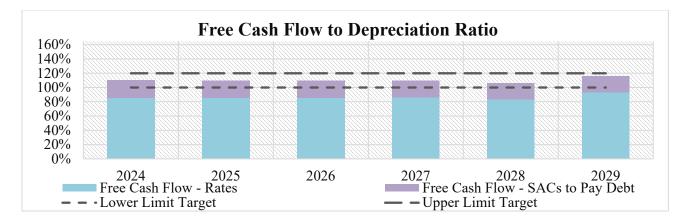
Chesapeake Bay Program) which is allocable to and benefits the existing customer (not providing new capacity but maintaining the availability of existing capacity). The following graph summarizes the assumed sources and uses of funds in the Sewer Construction Fund as it relates to the ongoing capital funding program allocable to the existing customer.



As can be seen above, the deposits to the fund are programmed to be relatively stable yet the expenditures (uses of fund) fluctuate by year and need to be planned in advance such that rate impacts are minimized. Moreover, such transfers to the Sewer Construction Fund are comparable to the annual rate of depreciation and are considered a strong level of capital reinvestment (also reference Free Cash to Depreciation). It should be noted that to the extent that System growth is greater than assumed, if there is a delay in the need to fund the capital improvement plan from what is reflected in the financial forecast presented in this report, or if the County were to receive grant proceeds for capital financing, then it is expected that the cash balances as presented in the figure below would improve.

FREE CASH TO DEPRECIATION RATIO

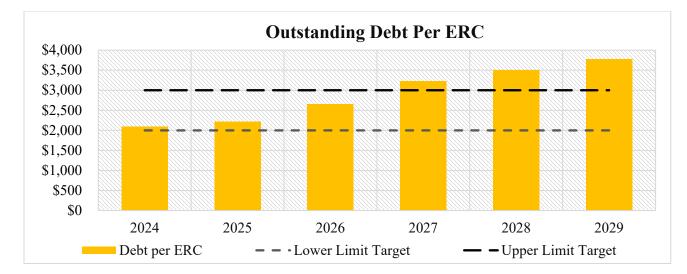
This figure illustrates the amount of funds available for equity capital funding or for other System purposes after the payment of Operating Expenses, the annual debt service requirements, and any other required cash deposits or funding needs. This ratio is a key ratio of the credit rating agencies since it provides a measure of the annual financial capacity to maintain utility plant facilities at current levels of service (which assumes that such assets will allow for the continuation of service and the ability to generate revenues without a significant rate adjustment associated with unfunded infrastructure needs). As can be seen from the following chart, the System is projected to produce sufficient funds after all required transfers (assumes that the Sewer Construction Fund deposit is considered as a component of the available funds for capital and not a required deposit since it is to be used solely for capital needs) to maintain a strong capital reinvestment rate for ongoing equity capital funding and reduce the need for the issuance of long-term debt.



With respect to the annual funding of the capital needs, Raftelis recommends that WMP should aim to maintain a minimum cash flow ratio for the System ranging from 100% to 120% of the annual depreciation expense for the County-owned utility assets. This range was based on discussions with the financial community and median cash flow ratios as reported by credit rating agencies that are typical for an "AAA" rated utility. The projected ratio for the System is considered favorable by Raftelis and will support the County's ability to limit the financial risk to the utility.

NET OUTSTANDING DEBT PER ERU

The net principal amount of debt outstanding per customer in terms of ERUs measures the amount of net plant investment that a utility has in service and the financial risk a utility has undertaken relative to the customers served. The higher the net customer debt burden, the greater the financial risk to the System (all fixed costs) and generally the rates for service are higher with a greater reliance on availability charges (growth) or other external sources of funds to meet the expenditure needs. It is also an indication of the amount of potential "leveraging" capability a utility may have relative to funding future capital needs. The following chart illustrates the amount of outstanding principal debt (both senior- and subordinate-related debt) in relation to the amount of projected System customers served.

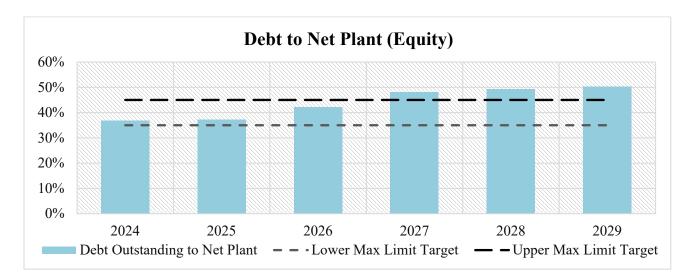


With respect to the amount of outstanding debt relative to the customer base, Authority recommends that WMP should aim to not exceed a maximum customer debt level ranging from \$2,000 to \$3,000 per ERU served. This range

represents approximately 40% to 60% of the net plant investment expressed on a per ERU basis and is consistent with the debt per equity ratio in terms of overall net utility plant funding. Overall, the debt per customer appears reasonable recognizing the amount of plant investment that has been funded by the Authority on behalf of WMP but needs to be closely monitored as the System is reaching the upper target ratio for this benchmark.

DEBT OUTSTANDING TO NET PLANT INVESTMENT (DEBT) RATIO

This figure illustrates the amount of debt issued to fund the net plant investment in service to meet the wastewater demands of the System service area. This ratio presents the net equity of the utility (in terms of net plant investment) and provides an indication of the reliance on debt to fund the existing assets as well as the flexibility in terms of funding future capital assets and overall rate stability. Generally, the higher the ratio, the greater the need to have a larger portion of the rate revenues being dedicated to principal retirement and the payment of the cost of carry (interest) for the financing of capital improvements to the System. The 2022 median Debt Ratio is approximately 41% as reported by FITCH Ratings for water and wastewater utilities (note that this is an average and Authority believes that the Debt Ratio for "high growth" systems or systems with increased treatment standards [higher technology] would generally have a higher debt ratio).



With respect to the Authority, we have identified a maximum target for this ratio ranging from 35% to 45% of the total net plant investment (including TBC capacity entitlements) to maintain a sustainable funding relationship of infrastructure (not relying totally on debt) and recognizing that a significant amount of the capital needs is for the renewal and replacement of existing assets which should be limited as to the amount of debt issued to fund such investment. This range was based on discussions with the financial community and the Authority and is representative of the median liquidity ratios as reported by credit rating agencies that are typical for an "AAA" rated utility. As can be seen and based on the capital financing plan recognized in the development of the financial forecast, the amount of the System net fixed assets funded by debt is below the maximum target range and is considered as being favorable by Authority. However, the general trend in the ratio is rising and will need to be closely monitored by WMP.

Availability Charge Evaluation

As previously discussed, Authority performed an evaluation of the existing Availability Charges to determine the adequacy of such charges based on the current installed infrastructure and forecasted capital investment that is considered as being available to provide capacity to new customers or development. The evaluation comprised a comprehensive review of the AuthorityAuthority existing fixed assets, TBC purchased capacity rights, ten- (10) year capital improvement, and level of service assumptions per ERU. The following discussion provides a summary of the methodology, assumptions, and findings of the evaluation.

METHODOLOGY AND FEE CALCULATION

The methodology in development of the Availability Charge generally follows a "*system buy-in*" approach or reimbursement method for recovering the incremental cost infrastructure for new customers connecting to the System. An exception was made in the valuation of UOSA capacity reservations, which is based on an "*incremental approach*" or capacity valuation based on the cost of the last facility expansion as determined and provided by UOSA.

The identified infrastructure costs included, among other things, the fixed asset records reported by the Authority as of June 30, 2023, and the identified 10-year capital improvement (the "10-year CIP"). The fixed asset records and the 10-year CIP were adjusted to exclude Sales of Service customer allocations and then allocated by function and categorized as either allocable to the treatment or conveyance function of the System. Non-treatment assets include fixed assets associated with conveyance such as force mains, pump stations, manholes, and indirect capital costs such as warehouse or administrative facilities. Conveyance assets excluded any equipment or donated assets as reported by the Authority. The following table provides a summary of the recognized and allocated fixed asset costs:

Description	Treatment	Conveyance	Total Assets
Authority Capital Assets [2]	\$799,749,783	\$978,642,147	\$1,778,391,930
TBC Capacity Rights [3]			
Upper Occoquan Service Authority (UOSA)	\$325,791,014	\$4,434,649	\$330,225,663
DC Water (Blue Plains)	343,412,799	0	343,412,799
Alexandria Renew Enterprises (ARE)	406,346,261	5,893,325	412,239,586
Arlington Authority Water Pollution Control Plant	53,324,936	0	53,324,936
Loudon Authority Sanitation Authority	20,942,294	0	20,942,294
Subtotal	\$1,949,567,087	\$988,970,121	\$2,938,537,208
Less: Donated Assets [4]	(24,837)	(234,124,715)	(234,149,552)
Plus: Land, Easements and CWIP [5]	171,146,361	83,966,605	255,112,966
Recognized Existing Capital Assets	\$2,120,688,611	\$838,812,011	\$2,959,500,622

Allocation of Existing Retail Customer Capital Assets Recognized in Determination of the Availability Charge [1]

[1] Amounts shown reflect existing capital assets that are in service as of June 30, 2023, which were considered in the calculation of the Availability Charge.

[2] Amounts shown include depreciable and non-depreciable assets such as land, easements, and construction work in process, but are exclusive of minor units of property and equipment (i.e., Capital Outlay).

[3] Amounts shown reflect the reported reservation of capacity rights associated with the County's TBC providers; however, excludes approximately \$0.96 million associated with reservations of capacity with Prince William County.

[4] Amounts shown reflect the exclusion of donated or contributed assets reported by the County.

[5] Amounts shown were derived from the County's audited financial statements as of June 30, 2023, and were allocated among treatment and conveyance based on the County's fixed asset records.

As can be seen above, the existing capital assets included in the evaluation of the Availability Charge total approximately \$3.0 billion, which is net of direct Sales of Service customer contributions and donated assets primarily associated with contributed collection lines, pump stations or other conveyance assets within the County's wastewater service area. As discussed, in addition to the existing assets recognized in determination of the Availability Charge, an allocation of the 10-year CIP improvements, net of Sales of Service customer allocations, was performed for recognition in calculation of the Availability Charge as follows:

Description	Treatment	Conveyance	Total Assets
County Capital Asset Additions	\$392,637,881	\$1,760,564,575	\$2,153,202,456
TBC Capacity Right Improvements:			
Upper Occoquan Service Authority (UOSA)	\$268,718,050	\$0	\$268,718,050
DC Water (Blue Plains)	248,904,226	0	248,904,226
Alexandria Renew Enterprises (ARE)	299,148,963	0	299,148,963
Arlington County Water Pollution Control Plant	19,381,000	0	19,381,000
Loudon County Sanitation Authority	0	0	0
Subtotal	\$1,228,790,120	\$1,760,564,575	\$2,989,354,695
Less Assumed Retirements [2]	(\$145,276,016)	(\$651,408,893)	(\$796,684,909)
Recognized Net Capital Asset Additions and Improvements	\$1,083,514,104	\$1,109,155,682	\$2,192,669,786

Allocation of Ten- (10) Year Projected Capital Improvement Program (CIP) [1]

[1] Amounts shown reflect projected capital improvements identified by WMP for the Fiscal Years 2024 through 2032 and are net of direct Sales of Service customer capital contributions.

[2] Amounts shown reflect estimated utility plant retirements associated with assumed renewals and replacements of existing assets as identified in the System 10-year CIP to estimate the net increase in the estimated capital costs for such assets being constructed and allocable to serve new development.

As can be seen above, the allocated 10-year CIP net of estimated retirements totals approximately \$2.19 billion. Based on a review of the specific capital improvements and discussions with WMP staff no improvements are anticipated to increase treatment capacity of the facilities and are primarily related to regulatory improvements, System extension and renewals / replacements / betterments. The allocated capital costs were then weighted based on the remaining retail customer capacity reservations expressed in Millions of Gallons per Day ("MGD") and calculated in terms of the cost per Average Daily Flow – Gallons per Day ("ADF-GPD"). The remaining retail treatment capacity was determined based on a historical five- (5) year review of the treated retail customer flows.

The following table provides a summary of the calculated capital costs per ADF-GPD:

			DC	Alex	Arlingto	Loudou	
Description	Fairfax	UOSA	Water	Renew	n	n Water	Total
Calculated Cost of Treatment Capacity:							
Net Treatment Assets (\$ Millions) [2]	\$1,218.2	\$594.5	\$592.3	\$705.5	\$72.7	\$20.9	\$3,204.1
Retail Customer Reservations (MGD) [3]	57.55	21.10	26.20	31.40	3.00	1.00	140.25
Cost per Gallon (\$ per ADF-GPD)	\$21.17	\$22.89	\$22.61	\$22.47	\$24.23	\$20.90	\$22.85
UOSA Adjustment [4]	-	(\$5.29)	-	-	-	-	(\$1.01)
Adj. Cost per Gallon (\$ per ADF- GPD)	\$21.61	\$22.89	\$22.42	\$17.21	\$24.67	\$20.94	\$21.84
Weighted Retail Customer Cost:							
Unused Retail Capacity (MGD) [5]	21.06	6.66	0.00	11.00	0.66	1.00	40.38
Capacity Weighting	52.2%	16.5%	0.0%	27.2%	1.6%	2.5%	100.0%
Weighted Cost per Gallon (\$ per ADF-GPD)	\$11.04	\$3.77	\$0.00	\$6.12	\$0.39	\$0.52	\$21.84
Calculated Cost of Conveyance Capacity:							
Net Treatment Assets (\$ Millions) [2]							\$1,947.97
Retail Capacity (MGD) [6]							140.25
Cost per Gallon (\$ per ADF-GPD)							\$13.89
Combined Calculated Cost of Conveyance (\$ per ADF-GPD)							\$35.73

Summary of Calculated Cost of Treatment and Conveyance Capital per ADF-GPD [1]

[1] Amounts shown derived from Table 14 at the end of this Report.

[2] Amounts shown reflect the recognized existing and projected capital assets net of equipment, donated assets and estimated retirements associated with the 10-year CIP.

[3] Amounts shown reflect the County's total capacity or capacity reservations net of Sales of Service customer reservations (i.e., to determine estimated allocated retail wastewater capacity).

[4] Adjustment reflects increase to cost per gallon of UOSA capacity reservations based on the incremental cost of capacity as determined by UOSA in November 2018 in support of a capacity sale by the County of USOA capacity to the City of Manassas.

[5] Amounts shown reflect the net retail customer treatment capacity based on a review of a five- (5) year history of retail customer treated flows.

[6] Amounts shown reflect the total retail customer treatment facility capacity net of capacity allocated to wholesale users.

As can be seen above, the calculated cost of the remaining retail customer capital reservation is estimated at approximately \$35.73 per gallon expressed on an average annual daily flow ("ADF") basis. The calculated cost per gallon was then adjusted for a five- (5) year carrying cost allowance based on the current weighted average cost of capital ("WACC") at 4.29% (i.e., 5 years \times 4.29% = 21.5% WACC adjustment) resulting in an adjusted cost per gallon of \$43.39. The resultant calculated and adjusted cost per gallon is greater than the current charge by the County at \$31.64 per gallon (i.e., Existing Availability Charge = \$8,860 per ERU / 280 gallons per day per ERU). Based on discussions with WMP staff it is recommended that the Availability Charge increase be limited to one percent (1%) and reassessed within twelve months to determine further increases.

The determination of the Availability Charge also encompassed an evaluation of the Level of Service ("LOS") assumed per ERU currently at 280 GPD. Based on discussions with WMP staff and a historical review of the average annual treated flows per ERU for the last five (5) years it is recommended that the County maintain the assumed

LOS for calculation of the Availability Charge. The LOS is consistent with observed industry trends in declining wastewater flows per ERU attributable to increasing water conservation trends from changing consumer behavior to improvements in water fixtures and water efficient appliances and is believed to be more representative of new growth connecting to the System. The LOS is also consistent with the capacity planning service levels used by WMP in the capacity master planning process, providing consistency in the evaluation of the estimated capacity needs for the System and the development of the Availability Charge. It is recommended that the County continue to monitor the actual treated flows per ERU for further future adjustments and to be consistent with WMP planning LOS assumptions. The following page provides a summary of the calculated Availability Charge with comparison to the existing charge:

Description	Calculation
Existing Availability Charge:	
LOS GPD Basis:	
Fee (\$ per GPD)	\$31.64
Level of Service (GPD)	280
Fee (\$ per ERU)	\$8,678.00
Developer Oversizing Increase [1]	
Increase to Availability Fee	<u>182.00</u>
Total Availability Fee	\$8,860.00
Calculated Availability Charge:	
Net Assets / CIP (\$ per GPD)	\$35.73
Level of Service (GPD)	280
Fee (\$ per ERU)	\$10,004.19
Carrying Costs:	
Years of Carry Cost	5.0
Current Weighted Cost of Capital	4.29%
Carry Cost (\$ per ERU)	\$2,147.32
Total Calculated Charge:	
Per ERU	\$12,151.51
Per GPD	\$43.40
Total Charge (1% Limit):	
Per ERU	\$8,765.00
Per GPD	\$31.30
Developer Oversizing Increase [1]	
Increase to Availability Fee	273.38
Total Recommended Charge:	
Per ERU	\$9,038.00
Per GPD	\$32.28

Summary of the Calculated Availability Charge

[1] The developer oversizing increase is due to the Reimbursement Policy revised by the County this year.

As can be seen above, it is recommended that the existing Availability Charge be raised by 2.1% and subsequently be reviewed within 12 months to reassess further increases. The following table provides a summary of the existing and recommended Availability Charge by customer class and fixture unit basis:

	Existing FY2024	Recommended FY2025	Increase %	Oversize Increase % [1]	Total Increase %
Single-family	\$8,860	\$9,038	1.00%	1.00%	2.00%
Townhouses and Apartments	\$7,088	\$7,231	1.00%	1.00%	2.00%
Non-residential per Fixture	\$443	\$452	1.00%	1.00%	2.00%

Existing and Recommended Availability Charge

[1] The developer oversizing increase is due to the Reimbursement Policy revised by the County this year.

The increase in the charges is considered reasonable and is not expected to adversely affect growth within the County. A survey was performed to assess the competitiveness of the County's Availability Charges with other neighboring jurisdictions and summarized as follows:

Wastewater Availability Charge – Rate per ERU

	Rate per ERU
Fairfax County:	
Existing Charge – Fiscal Year 2024	\$8,860
Recommended Charge – Fiscal Year 2025	9,038
Other Neighboring Utilities: [1]	
City of Alexandria [2]	\$9,446
Arlington County [3]	3,720
District of Columbia Water and Sewer Authority	2,809
Loudoun Water	9,241
Prince William County	11,200
Washington Suburban Sanitary Commission – Unimproved [4]	14,500
Washington Suburban Sanitary Commission – Improved [4]	6,500
Other Surveyed Average Utilities	\$8,202

[1] It should be noted that no evaluation of the methodology for determining these Availability Charges was conducted. The charges may reflect differences in the methodology utilized in their development as well as differences in such factors as the level of service, capital infrastructure costs recognized, regulatory requirements, and receipt of grants for capital funding.

[2] Alexandria Renew Enterprises does not charge an Availability Charge. Amounts shown reflect charges from the City of Alexandria related to the collection system infrastructure.

[3] The County charges the Availability Charge based on the number of fixture counts and for an equivalent dwelling fixture unit ("DFU") assumes 24 fixture units at a cost of \$155/DFU.

[4] WSSC charges separate availability charges based on a customer's geographic location for improved and unimproved areas.

This comparison was based on wastewater Availability Charges that would be charged to a typical residential single-family residence (considered as one [1] equivalent residential unit or "ERU") as shown above. As can be seen in the

comparison, the existing and recommended charges for the County are comparable to the level of fees charged by other surveyed utilities.

Conclusions and Recommendations

Based on our analyses of the financial position and rates for the Wastewater Management Program, we offer the following observations and recommendations:

- 1. WMP's financial and rate implementation plan has resulted in the County being in a strong financial position in support of meeting the adopted financial policies and selected performance metrics or targets. The proposed rates for service allow for the continuation of a capital re-investment rate equivalent to or above the annual depreciation expense, which will reduce the need for long-term debt which will promote the sustainability of rates. It is recommended that the business-evaluation approach for the development of the annual net revenue requirements be maintained and that the financial forecast be reviewed annually.
- 2. It is recommended that the Board adopt the recommended rates as contained in this report, which reflect a slight increase to the previously adopted rates for the upcoming Fiscal Year 2024. WMP staff should continue to monitor the need for future adopted and identified rate adjustments closer to the time of implementation of the respective rate adjustments.
- 3. The proposed rate adjustments by the County are anticipated to be sufficient to provide Net Revenues to meet the Rate Covenant in the General Bond Resolution that authorized the issuance of the County's Outstanding Senior Lien Bonds, meet the terms and conditions of the VRA Financing Agreement between the County and the Virginia Water Facilities Revolving Fund acting by and through the VRA, finance System expenditures including the debt service on Additional Parity Bonds anticipated to be issued by the County to fund System capital improvements, and to meet the financial targets or objectives of the System during the Forecast Period.
- 4. It is recommended that the County increase the current Availability Charge of \$8,860 per ERU or \$443 per fixture unit based by 2.0% to \$9,038 per ERU or \$452 per fixture unit. WMP staff should continue to monitor trends in treated wastewater flows per ERU affecting the assumed LOS for possible future adjustments.

The proposed wastewater rates and Availability Charges for the Fiscal Year 2025 will remain competitive with the rates and charges imposed by other neighboring public wastewater utility systems; this competitive position is anticipated to be maintained during the Forecast Period.

FAIRFAX COUNTY WASTEWATER MANAGEMENT PROGRAM

2024 WASTEWATER REVENUE SUFFICIENCY AND RATE ANALYSIS LIST OF TABLES

Table No.	Description
1	Summary of Implied Historical Customer Billing Statistics
2	Summary of Projected Customer Billing Statistics
3	Projection of Operating Expenses
4	Projection of Operating Expenses for Treatment by Contract (TBC)
5	Historical and Projected Sales of Service (Bulk Sales) and Other Revenue
6	Development of Wastewater System Revenue Requirements and Revenue Sufficiency
7	Projected Operating Results and Debt Service Coverage Analysis
8	Summary of Debt Service Payments – Outstanding and Additional Debt
9	Projected Fund Balances and Interest Income Determination
10	Allocated Six-year Estimated Capital Improvement Program for the Wastewater System (in \$000s)
10A	Allocated Six-year Estimated Capital Improvement Program for the Wastewater System (in \$000s) – Includes UOSA Payments
11	Funding Sources for the Allocated Ten-year Estimated Capital Improvement Program for the Wastewater System (in \$000s)
12	Forecasted Statements of Flows of Financial Resources and Changes in Fund Balance
13	Comparison of Typical Quarterly Residential Bills for Wastewater Service
14	Calculation of Weighted Cost by Treatment Facility per MGD of Reserved Capacity
15	Summary of Existing and Calculated Availability Fees
16	Comparison of Availability Fee Charges for Equivalent Residential Unit

APPENDIX A

WASTEWATER REVENUE SUFFICIENCY AND RATE ANALYSIS MODEL OUTPUT – MANAGEMENT DASHBOARD

Chart No.	Description
1	Operating Cash Reserves / Liquidity
	 Identifies the forecast of projected and targeted operating cash reserves, which are used by th utility to maintain working capital for cash flow and to provide a reserve for contingencies such as unexpected increases in expenses or reductions in revenues all to ensure the utility can func- the near-term requirements of the system.
2	Revenue Sufficiency
	 Provides an indication of the annual expenditures funded from revenues by category or type of expenditure and whether existing or recommended rates are sufficient to fund such requirements to essentially determine the sufficiency of the forecast revenues.
3	Capital Reinvestment from Rates
	 Primarily identifies the transfers in and out of capital-related funds for capital investmen Provides an indication of the level or amount of capital reinvestment as a percent of depreciation.
4	Net Revenue Margin (No ACs)
	 Is a ratio calculated as: i) the Gross revenues (excluding ACs) less operating expenses = nerevenues (excluding ACs); divided by ii) gross revenues (excluding ACs). Indicates how much net revenue as a percent (%) is available to fund other expenditures above the cost of operation and maintenance. Higher ratios (above 40%) generally indicate more funds available for capitar reinvestment.
5	Capital Cash Reserves / Liquidity
	 In addition to operating reserves, the utility should maintain capital-related funds to finance future capital projects and to provide funds for unexpected capital needs (e.g., a major line break). The forecast of such cash by fund provides an indication of the amount of funds available for unexpected capital improvements or cost increases. This also aids in identifying trends, such as declining reserve balances, which may not be sustainable.
6	Projected Capital Funding Program
	 Identifies the annual capital funding (excluding UOSA capital projects) by source (e.g., interna sources such as rate revenues, availability charges, existing reserves, or debt proceeds)
7	Free Cash Flow to Depreciation Ratio
	 Is a ratio to determine the annual cash flow available for capital reinvestment expressed as percent of depreciation. Free cash is determined as the Gross Revenues less operating expense and annual debt service payments. Amounts shown are expressed with and without availabilit charges.

Table 1 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis

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.

Table 3 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis

						Wastewat		F						
Line				Escalation	Act	-	Projection of Operat Adopted	ing Expenses	Adjusted	Adjusted	Pro	jected Fiscal Year E	ading June 30	
No.	G/L Code		Description	Reference	20		2024	Adjustments	2024	2025	2026	2027	2028	2029
			WWC - WASTEWATER COLLEG	CTION DEPAI	RTMENT:									
			WWC- Administration											
			Personnel Services											
1	G252301001500000 G252301001500040	WCDPS WCDPS	Regular Salaries New Position-Regular Salaries	Labor Labor	s	682,594 \$	1,140,605 \$	144,857 \$	1,285,462	\$ 1,324,026 \$	1,363,746 \$	1,404,659 \$	1,446,799 \$	1,490,203
3	G252301001500050	WCDPS	Annual Comp Increas	Labor		-	82,416	10,467	92,883	95,669	98,539	101,496	104,540	107,677
4	G252301001500080	WCDPS	POS Turnover-Pay	Labor			(70,915)	(9,006)	(79,921)	(82,319)	(84,788)	(87,332)	(89,952)	(92,651)
5 6	G252301001500090 G252301001500100	WCDPS WCDPS	Reg Sal Non Mert Em Shift Differential	Labor Labor		20,850	4,002	508	4,510	4,646	4,785	4,928	5,076	5,229
7	G252301001500110	WCDPS	Extra pay	Labor		155	64,220	8,156	72,376	74,547	76,784	79,087	81,460	83,904
8	G252301001500130	WCDPS	Accrued Leave	Labor		7,940	-	-	-	-	-	-	-	-
9 10	G252301001500150 G252301001501000	WCDPS WCDPS	Leave Pay Out Fringe Benefits	Labor Benefits		16,390	487,633	61,929	549,562	566,049	583,031	600,522	618,537	637,093
11	G252301001501000	WCDPS	FICA	Benefits		42,286					-	-	-	
12	G252301001501011	WCDPS	Medicare	Benefits		9,834	-	-	-	-	-	-	-	-
13 14	G252301001501020 G252301001501060	WCDPS WCDPS	Retire Contrb-EE Sy Health-Cigna High	Benefits Benefits		185,560	-	-	-	-	-	-	-	-
14	G252301001501060	WCDPS	Health OAP 90%	Benefits		21,593	-		-			-	-	
16	G252301001501062	WCDPS	Health-HSA Plan	Benefits		1,400	-	-	-	-	-	-	-	-
17	G252301001501063	WCDPS WCDPS	Health-MyChoice	Benefits		18,955	-	-	-		-	-	-	-
18 19	G252301001501070 G252301001501080	WCDPS	Health-Cigna Low Health-BC/BS	Benefits Benefits		21,991	-							
20	G252301001501090	WCDPS	Health-Kaiser	Benefits		35,212	-	-	-		-	-	-	-
21	G252301001501100	WCDPS	Insurance-Group Life	Benefits		1,128	-	-	-	-	-	-	-	-
22 23	G252301001501110 G252301001502120	WCDPS WCDOE	Delta Dental Worker Comp Ins Plc	Benefits Benefits		4,191 15,750	-	-	-	-	-	-	-	-
23 24	0252501001502120	WEDDE		Benefits	\$ 1		1 707 0(1 8	- 216.011 6	1 024 872	-	-	-	-	-
24			Total Personnel Services		5 1	,085,828 \$	1,707,961 \$	216,911 \$	1,924,872	\$ 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 \$	- \$	2.575	\$ 2.634 \$	2.690 \$	2.743 \$	2.804 \$	2.865
26	G252301001510020	WCDOE	Office Supplies	Inflation	9	2,411	6,010	-	6,010	6,148	6,277	6,402	6,543	6,687
27	G252301001510030	WCDOE	Computer Equipment	Inflation		-	-	-	-	-	-	-	-	-
28 29	G252301001510040 G252301001510060	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	1,550	1,558	1,385	1,413	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	G252301001510207	WCDOE	Plumbing Supplies	Repair		6,342	-	-	-	-		-	-	-
38 39	G252301001510210 G252301001510400	WCDOE WCDOE	Grnds Maint Equ&Supl Educational Supplie	Repair Inflation		2,868 1,191	500 1,500	-	500 1,500	520 1,535	541 1,567	562 1,598	585 1,633	608 1,669
40	G252301001510600	WCDOE	Chemicals	Chemicals		251	-	-		-	-	-	-	-
41	G252301001510610	WCDOE	Tools County	Inflation		4,019	4,000	-	4,000	4,092	4,178	4,261	4,355	4,451
42 43	G252301001510620 G252301001510630	WCDOE WCDOE	Eng Drft&Sur Eqp⋑ Water Treat Eqp⋑	Inflation Inflation		5,556	-	-	-		-	-	-	-
43 44	G252301001510630 G252301001510640	WCDOE	Food Srv Equip/Supl	Inflation		4,254	-	-	-	-	-	-	-	-
45	G252301001510650	WCDOE	Hshl Aplnc/Supl/Rep	Inflation		2,592	750	-	750	767	783	799	817	835
46	G252301001510660	WCDOE	Med&Lab Eqp and Sup	Inflation		18,609	6,500	-	6,500	6,650	6,789	6,925	7,077	7,233
47 48	G252301001510670 G252301001512990	WCDOE WCDOE	Park/Rctn Area Equip Other Operating Sup	Inflation Inflation		689 32,060	214,680	-	214,680	219,618	224,230	228,714	233,746	238,888
49	G252301001512990 G252301001512992	WCDOE	Goods Receipts Without PO	Inflation					- 214,000		-		- 233,740	- 250,000
50	G252301001513020	WCDOE	Automotive Equp⋑	Inflation		22,668	25,000	-	25,000	25,575	26,112	26,634	27,220	27,819
51	G252301001513040	WCDOE	Fuel Oil County	Inflation		58	-	-	-	-	-	-	-	-
52 53	G252301001514010 G252301001514020	WCDOE WCDOE	Fire Protec Eqp&Supl Uniform/Wear Appare	Inflation Inf/Emp		3,334 252.059	3,186 268,527		3,186 268,527	3,260 274,703	3,328 280,472	3,395 286,081	3,469 292,375	3,546 298,807
54	G252301001514020	WCDOE	Mis Pub Safe Eqp⋑	Repair		29,155					-		-	- 250,007
55	G252301001520000	WCDOE	Ofc Eqp Maint&Repai	Repair		962	1,500	-	1,500	1,560	1,622	1,687	1,755	1,825
56	G252301001520010	WCDOE	Bldg Maint & Repair	Repair		21,790	201,342	-	201,342	209,395	217,771	226,482	235,541	244,963
57 58	G252301001520013 G252301001520020	WCDOE WCDOE	HVAC M&R Construct Maint/Repr	Repair Repair		19	- 85,000	-	- 85,000	88,400	91,936	95,613	99,438	103,415
59	G252301001520025	WCDOE	Custodial Services	Repair		44,678				-	-	-	-	-
60	G252301001520060	WCDOE	Fire Extinguisher M&R	Repair		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 63	G252301001520130 G252301001521050	WCDOE WCDOE	IT Equip Maint&Supp Edu/Training Service	Inflation Inflation		2,505	30.000	-	30.000	30,690	31.334	31.961	32.664	33,383
64	G252301001521060	WCDOE	Computer Services	Inflation		-	40,000	-	40,000	40,920	41,779	42,615	43,552	44,511
65	G252301001521062	WCDOE	Tech Infra Chrgbck	Inflation		16,397	18,000	-	18,000	18,414	18,801	19,177	19,599	20,030
66 67	G252301001521070 G252301001521080	WCDOE WCDOE	Print/Typeset Servce	Inflation Inflation		944	50.653	-	50.653	51.818	52.906	53.964	55,152	56,365
67 68	G252301001521080 G252301001521090	WCDOE	Other Pro Cntrct Sv Comm & Media Servic	Inflation		38,636 279,557	209,188	-	209,188	213.999	218,493	222,863	227,766	232,777
69	G252301001521092	WCDOE	Telecom Service-Commercial	Inflation		4,747		-		-	-	-	-	-
70	G252301001521093	WCDOE	Telecommunication Chargeback	Inflation		41,997	41,424	-	41,424	42,377	43,267	44,132	45,103	46,095
71 72	G252301001521110 G252301001521140	WCDOE WCDOE	Public Works Service Safety&Emergency Svc	Inflation Inflation		-	-	-	-	-	-	-	-	-
72	G252301001521140 G252301001521150	WCDOE	Health Related Srvs	Inflation		3,932	1.068	-	1.068	1,092	1.115	1,138	1.163	1.188
74	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
		WCDOE	Miscellaneous Services	Inflation			266,397		266,397	272,524	278,247	283,812	290,056	296,437
76 77	G252301001521250 G252301001530000	WCDOE	Electricity County	Electricity		- 66.080	84,330	-	84.330	86,438	88.599	90,814	93.084	95,411

Footnotes on Page 14 of 14.

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

No. Grl. Code Description Reference 2023 2024 Adjustments 2024 79 (225201001550004) WCDDE Water County Water 4,522 5,778 - 80 (225201001542000 WCDDE Local County Travel Inflation 2,533 500 - - 81 (225201001542006 WCDDE Local County Travel Inflation 4,33 -	5,778 500 30,770 5,500 5,500 9,000 9,000 9,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000	Adjusted 2025 6,152 512 31,477 5,627 5,627 5,627 5,627 5,627 5,627 10,230 10,250 10,250 10,250 10,20	2026 6,583 522 32,138 - 32,138 - 3,745 5,745 5,745 5,745 - - - - - - - - - - - - -	Projected Fiscal Year 2027 6,978 - 33,781 - 32,781 - 33,785 - 5,860 5,860 5,860 5,860 - - - - - - - - - - - - -	2028 7,326 544 33,502 5,988 5,988 5,988 5,988 7,622 9,799 10,888 207,714 10,888 207,714 10,888 2086,084 3,811 2866,084 3,000,000	2029 7,611 556 34,23 6,121 6,124 7,78 10,011 11,122 212,28 11,124 3,899 292,377 3,000,000
7 G252301001530040 WCDDE Water County Water 4,522 5,778 . 80 G25230100153000 WCDDE Other Unity Expense Inflation 5,201 .	500 30,770 5,500 5,500 9,000 9,000 10,000 10,000 10,000 10,000 10,000 5,186,535	6,152 512 31,477 5,627 5,627 5,627 5,627 7,161 9,207 10,230 195,159 10,230 195,159 10,230 3,581	6,583 522 32,138 5,745 5,745 5,745 5,745 10,445 199,257 10,445 199,257 10,445 199,257 10,445	533 32,781 5,860 5,860 5,860 7,458 9,588 10,654 203,242 10,654 10,654 3,729 279,926 3,000,000	544 33,502 5,988 5,988 5,988 5,988 5,988 5,988 207,714 10,888 207,714 10,888 207,714 10,888 207,714 10,888	7,61' 55 34,23 6,12 6,12 7,78 10,01: 11,12 212,28 11,12 3,89 292,37
80 6223201001530005 WCDDE Other Utility Expense Inflation 5.201 - - 81 622301001542030 WCDDE Operational Travel Inflation 285 500 - - 83 6252301001542030 WCDDE Housing Admin Fee Inflation 6.801 30,770 - - - 84 6252301001541050 WCDDE Auto Liab Admin Insurance 12,716 - <t< th=""><th>500 30,770 5,500 5,500 9,000 9,000 10,000 10,000 10,000 10,000 10,000 5,186,535</th><th>512 31,477 5,627 5,627 5,627 7,161 9,207 10,230 195,159 10,230 195,159 10,230 195,159 10,230 195,159 10,230 195,159 10,230 195,159 10,230 10,200 10,200 10,200 10,200 10,2</th><th>522 32,138 5,745 5,745 5,745 5,745 7,311 9,400 10,445 199,257 10,445 199,257 10,445 - - - - - - - - - - - - - - - - - -</th><th>533 32,781 5,860 5,860 5,860 7,458 9,588 10,654 203,242 10,654 10,654 3,729 279,926 3,000,000</th><th>544 33,502 5,988 5,988 5,988 5,988 5,988 5,988 207,714 10,888 207,714 10,888 207,714 10,888 207,714 10,888</th><th>556 34,239 6,124 7,789 10,011 11,122 212,28 11,123 3,899 292,379</th></t<>	500 30,770 5,500 5,500 9,000 9,000 10,000 10,000 10,000 10,000 10,000 5,186,535	512 31,477 5,627 5,627 5,627 7,161 9,207 10,230 195,159 10,230 195,159 10,230 195,159 10,230 195,159 10,230 195,159 10,230 195,159 10,230 10,200 10,200 10,200 10,200 10,2	522 32,138 5,745 5,745 5,745 5,745 7,311 9,400 10,445 199,257 10,445 199,257 10,445 - - - - - - - - - - - - - - - - - -	533 32,781 5,860 5,860 5,860 7,458 9,588 10,654 203,242 10,654 10,654 3,729 279,926 3,000,000	544 33,502 5,988 5,988 5,988 5,988 5,988 5,988 207,714 10,888 207,714 10,888 207,714 10,888 207,714 10,888	556 34,239 6,124 7,789 10,011 11,122 212,28 11,123 3,899 292,379
81 G223201001542000 WCDDE Local County Travel Inflation 285 500 - 83 G223201001542050 WCDDE Miscellancous Travel Inflation 6,801 30,770 - - - 84 G223201001540500 WCDDE Gen Liab Admin Insurance -	30,770 5,500 5,500 9,000 9,000 10,0000 10,0000 10,0000 10,00000000	31,477 5,627 5,627 7,161 9,207 10,230 195,159 10,230 195,159 10,230 3,581	32,138 5,745 5,745 5,745 7,311 9,400 10,445 199,257 10,445 199,257 10,445 274,437 3,000,000	32,781 32,781 5,860 5,860 5,860 9,588 10,654 203,242 10,654 10,654 3,729 279,926 3,000,000	33,502 5,988 5,979 5,979 5,979 5,979 5,979 5,971	34,234 6,124 7,784 10,011 11,122 212,285 11,125 3,899 292,375
83 C22321001542050 WCDDE Miscellanceus Travel Inflation 6,801 30,770 - - 84 C2232100154050 WCDDE Gen Liab Admin Insurance -	5,500 5,500 7,000 9,000 10,000 190,771 10,000 3,500 3,500 3,500 3,500 5,186,535	5,627 5,627 7,161 9,207 10,230 195,159 10,230 195,159 10,230 2,581 3,581	5,745 5,745 5,745 7,311 9,400 10,445 199,257 10,445 3,656 274,437 3,000,000	5,860 5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	5,988 5,988 5,988 5,988 7,622 9,799 10,888 207,714 10,888 207,714 10,888 207,714	6,12(6,12) 7,78 10,01: 212,28 11,122 3,89 292,37
44 G223201001540540 WCDDE Housing Admin Fee Inflation - - - 85 G22301001541090 WCDDE Auto Liab Admin Insurance -	5,500 5,500 7,000 9,000 10,000 190,771 10,000 3,500 3,500 3,500 3,500 5,186,535	5,627 5,627 7,161 9,207 10,230 195,159 10,230 195,159 10,230 2,581 3,581	5,745 5,745 5,745 7,311 9,400 10,445 199,257 10,445 3,656 274,437 3,000,000	5,860 5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	5,988 5,988 5,988 5,988 7,622 9,799 10,888 207,714 10,888 207,714 10,888 207,714	6,12(6,12) 7,78 10,01: 212,28 11,122 3,89 292,37
85 G223210101541050 WCDDE Gen Liab Admin Insurance - - - 86 G223210101542200 WCDDE Certification Inflation 2,859 5,500 - 88 G223210101542210 WCDDE Mgmt/Prof Training Inflation 2,859 5,500 - - 90 G223301001542220 WCDDE Non-Technical Training Inflation 2,669 - <td>5,500 7,000 9,000 10,000 10,000 10,000 3,500 262,749 3,000,000 5,186,535</td> <td>5,627 7,161 9,207 10,230 195,159 10,230 3,581 268,793 3,000,000</td> <td>5,745 - 7,311 - 9,400 - 10,445 - 10,445 - - - - - - - - - - - - - - - - - -</td> <td>5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000</td> <td>5,988 7,622 9,799 10,888 207,714 10,888 </td> <td>6,121 7,783 10,01: 11,122 212,283 11,124 3,893 292,375</td>	5,500 7,000 9,000 10,000 10,000 10,000 3,500 262,749 3,000,000 5,186,535	5,627 7,161 9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	5,745 - 7,311 - 9,400 - 10,445 - 10,445 - - - - - - - - - - - - - - - - - -	5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	5,988 7,622 9,799 10,888 207,714 10,888 	6,121 7,783 10,01: 11,122 212,283 11,124 3,893 292,375
66 G222301001541090 WCDDE Auto Liab Admin Insurance 123,716 - - 87 G223201001542210 WCDDE Certification Inflation 2255 - - 87 G223201001542220 WCDDE Technical Training Inflation 2,652 5,500 - 90 G252301001542220 WCDDE Reimb-Telephone Exp Inflation 2,652 5,500 - - 91 G25230100154220 WCDDE Reimb-Telephone Exp Inflation -	5,500 7,000 9,000 10,000 10,000 10,000 3,500 262,749 3,000,000 5,186,535	5,627 7,161 9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	5,745 - 7,311 - 9,400 - 10,445 - 10,445 - - - - - - - - - - - - - - - - - -	5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	5,988 7,622 9,799 10,888 207,714 10,888 	6,121 7,783 10,01: 11,122 212,283 11,124 3,893 292,375
Tom Carcification Inflation 225 - - 86 C25230100154220 WCDOE Treninical Train Cat Inflation 2,689 5,500 - 90 C25230100154220 WCDOE Non-Technical Training Inflation 2,682 5,500 - 10 C25230100154220 WCDOE Reimb-Telephone Exp Inflation - <	5,500 7,000 9,000 10,000 10,000 10,000 3,500 262,749 3,000,000 5,186,535	5,627 7,161 9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	5,745 - 7,311 - 9,400 - 10,445 - 10,445 - - - - - - - - - - - - - - - - - -	5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	5,988 7,622 9,799 10,888 207,714 10,888 	6,121 7,783 10,01: 11,122 212,283 11,124 3,893 292,375
88 G223301001542210 WCDDE Mgmt/Prof Training Inflation 2,859 5,500 - 90 G223301001542230 WCDDE Non-Technical Training Inflation 2,659 - - - 91 G223301001542230 WCDDE Reimb-Telephone Exp Inflation -	5,500 7,000 9,000 10,000 10,000 10,000 3,500 262,749 3,000,000 5,186,535	5,627 7,161 9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	5,745 - 7,311 - 9,400 - 10,445 - 10,445 - - - - - - - - - - - - - - - - - -	5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	5,988 7,622 9,799 10,888 207,714 10,888 	6,121 7,783 10,01: 11,122 212,283 11,124 3,893 292,375
99 C223201001542220 WCDDE Technical Training Inflation 2.6,525 5,500 - 10 C223201001542220 WCDDE Reimb-Telephone Exp Inflation - </td <td>5,500 7,000 9,000 10,000 10,000 10,000 3,500 262,749 3,000,000 5,186,535</td> <td>5,627 7,161 9,207 10,230 195,159 10,230 3,581 268,793 3,000,000</td> <td>5,745 - 7,311 - 9,400 - 10,445 - 10,445 - - - - - - - - - - - - - - - - - -</td> <td>5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000</td> <td>5,988 7,622 9,799 10,888 207,714 10,888 </td> <td>6,12 7,78 10,01 11,12 212,28 11,12 3,89 292,37</td>	5,500 7,000 9,000 10,000 10,000 10,000 3,500 262,749 3,000,000 5,186,535	5,627 7,161 9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	5,745 - 7,311 - 9,400 - 10,445 - 10,445 - - - - - - - - - - - - - - - - - -	5,860 7,458 9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	5,988 7,622 9,799 10,888 207,714 10,888 	6,12 7,78 10,01 11,12 212,28 11,12 3,89 292,37
00 C222301001542230 WCDDE Non-Technical Training Inflation 2,690 - - 12 C225201001543000 WCDDE Cash Awards Inflation - - - - 20 C252301001543000 WCDDE Cash Awards Inflation - - - - 31 C252301001543000 WCDDE Departmental Awards Inflation - 10 0 0.000 -	7,000 9,000 10,000 190,771 10,000 3,500 262,749 3,000,000 5,186,535	7,161 9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	7,311 9,400 10,445 199,257 10,445 3,656 274,437 3,000,000	9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	9,799 10.888 207,714 	7,78 10,01 11,12 212,28 11,12 3,89 292,37
10 C22320100154200 WCDDE Reimb-Telephone Exp Inflation - - - 33 C22320100154300 WCDDE Departmental Awards Inflation -	9,000 10,000 190,771 10,000 3,500 262,749 3,000,000 5,186,535	9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	9,400 10,445 199,257 	9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	9,799 10.888 207,714 	10,01 11,12 212,28 11,12 3,89 292,37
33 G222301001543020 WCDOE Departmental Awards Inflation - - - 34 G223201001544000 WCDOE Copying Inflation - - - - 35 G223201001544000 WCDOE Copying Inflation - - - - - 36 G223201001544000 WCDOE Phototypesettig Inflation - <td< td=""><td>9,000 10,000 190,771 10,000 3,500 262,749 3,000,000 5,186,535</td><td>9,207 10,230 195,159 10,230 3,581 268,793 3,000,000</td><td>9,400 10,445 199,257 </td><td>9,588 10,654 203,242 10,654 3,729 279,926 3,000,000</td><td>9,799 10.888 207,714 </td><td>10,01 11,12 212,28 11,12 3,89 292,37</td></td<>	9,000 10,000 190,771 10,000 3,500 262,749 3,000,000 5,186,535	9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	9,400 10,445 199,257 	9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	9,799 10.888 207,714 	10,01 11,12 212,28 11,12 3,89 292,37
44 G223210101543030 WCDOE Plaques and Awards Inflation - - - 56 G225301001544000 WCDOE Copying Inflation 6,782 9,000 - - 76 G225301001544030 WCDOE Phototypeeting Inflation - - - - 77 G225301001544060 WCDOE Assigned Agency Vch Inflation 500,274 190,0771 - 19 98 G222301001544060 WCDOE Koter Pool Inflation 1,197 - - - 90 G222301001544060 WCDOE Fuel 357,154 -	9,000 10,000 190,771 10,000 3,500 262,749 3,000,000 5,186,535	9,207 10,230 195,159 10,230 3,581 268,793 3,000,000	9,400 10,445 199,257 	9,588 10,654 203,242 10,654 3,729 279,926 3,000,000	9,799 10.888 207,714 	10,01 11,12 212,28 11,12 3,89 292,37
95 G223210101544000 WCDDE Copying Inflation 6.782 9.000 - 97 G223210101544000 WCDDE Phototypesetting Inflation 3.657 10.000 -	10,000 190,771 10,000 3,500 262,749 3,000,000 5,186,535	10,230 195,159 10,230 3,581 268,793 3,000,000	10,445 199,257 10,445 3,656 274,437 3,000,000	10,654 203,242 10,654 3,729 279,926 3,000,000	10,888 207,714 	11,12 212,28 11,12 3,89 292,37
66 G222301001544020 WCDDE Photoppesetting Inflation - 19 G252301001544050 WCDDE Assigned Agency Veh Inflation 1,197 -	10,000 190,771 10,000 3,500 262,749 3,000,000 5,186,535	10,230 195,159 10,230 3,581 268,793 3,000,000	10,445 199,257 10,445 3,656 274,437 3,000,000	10,654 203,242 10,654 3,729 279,926 3,000,000	10,888 207,714 	11,12 212,28 11,12 3,89 292,37
70 C222301001544030 WCDDE Printing and Bindin Inflation 3.657 10.000 - 96 C222301001544060 WCDDE Motor Pool Inflation 500.274 190,771 - 19 90 C222301001544060 WCDDE Motor Pool Inflation 500.274 190,771 - - - 00 C222301001544060 WCDDE Vehicle Replacement Inflation (12,191) -	190,771 10,000 3,500 262,749 3,000,000 5,186,535	195,159 10,230 3,581 268,793 3,000,000	199,257 10,445 3,656 274,437 3,000,000	203,242 10,654 3,729 279,926 3,000,000	207,714 	212,28 11,12 3,89 292,37
88 G223201001544050 WCDDE Assigned Agency Veh Inflation 500.274 190.771 - 19 00 G22301001544060 WCDDE Fuel Fuel 357,154 -	190,771 10,000 3,500 262,749 3,000,000 5,186,535	195,159 10,230 3,581 268,793 3,000,000	199,257 10,445 3,656 274,437 3,000,000	203,242 10,654 3,729 279,926 3,000,000	207,714 	212,28 11,12 3,89 292,37
99 G222301001544060 WCDDE Motor Pod Inflation 1,197 - - 01 G222301001544070 WCDDE Fuel Fuel 357,154 - - 01 G225201001544080 WCDDE Vehicle Replacement Inflation (12,191) - - 02 G252301001544080 WCDDE Services-Other Agency Inflation 655 - - 03 G252301001544512 WCDDE Internal FX Suppor Inflation - - - 05 G25230100154452 WCDDE Internal FX Suppor Inflation - - - - 05 G252301001544538 WCDDE Prof Subscriptions Inflation 29,385 262,749 -	10,000 3,500 262,749 3,000,000 5,186,535	10,230 3,581 268,793 3,000,000	10,445 3,656 274,437 3,000,000	10,654 3,729 279,926 3,000,000	- 10,888 - 3,811 - 286,084 - 3,000,000	11,12 3,89 292,37
00 G222301001544070 WCDDE Fuel 57,154 - - 01 G222301001544070 WCDDE Services-Other Agency Inflation (12,191) -<	3,500 262,749 3,000,000 5,186,535	3,581 268,793 3,000,000	3,656 274,437 3,000,000	3,729 279,926 3,000,000	3,811 - - 286,084 - 3,000,000	3,89 292,37
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3,500 262,749 3,000,000 5,186,535	3,581 268,793 3,000,000	3,656 274,437 3,000,000	3,729 279,926 3,000,000	3,811 - - 286,084 - 3,000,000	3,89 292,37
103 G22321001544504 WCDDE Employee Recruitment Inflation 655 - - 104 G2232100154452 WCDDE Internal FFX Suppor Inflation - 12 10 0 0 0 0 0	3,500 262,749 3,000,000 5,186,535	3,581 268,793 3,000,000	3,656 274,437 3,000,000	3,729 279,926 3,000,000	3,811 - - 286,084 - 3,000,000	3,89 292,37
04 G223201001544512 WCDOE Internal FFX Suppor Inflation -	262,749 3,000,000 5,186,535	268,793	274,437	279,926	286,084	292,37
05 G222301001544524 WCDDE Site Plan Fees InfEmp 1,009 - - 07 G225201001544539 WCDDE Prof Memberships InfEmp 380 3,500 - <	262,749 3,000,000 5,186,535	268,793	274,437	279,926	286,084	292,37
Inference State	262,749 3,000,000 5,186,535	268,793	274,437	279,926	286,084	292,37
U107 G252301001544539 WCDDE Prof Subscriptions In/Temp -<	262,749 3,000,000 5,186,535	268,793	274,437	279,926	286,084	292,37
Matrix WCDOE Credit Card Expense Inflation -	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	
WCDOE Payments to VÅ Inflation - </td <td>3,000,000</td> <td>3,000,000</td> <td>3,000,000</td> <td>3,000,000</td> <td>3,000,000</td> <td></td>	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	
Matrix WCDOE Indirect Cost Allocation Constant 3,000,000 3,000,000 3,00 112 Total Operating Expenses Total Operating Expenses \$ \$ 5,153,469 \$ 5,186,535 \$ \$	5,186,535					3,000,00
MWC - Gravity Sewer Personnel Services S 5,183,469 S 5,186,535 S - S 5,111 112 Capital Equipment [1] Equipment [1] Bud Cap S - S <td>5,186,535</td> <td></td> <td></td> <td></td> <td></td> <td>3,000,00</td>	5,186,535					3,000,00
Multiple Multiple Sud Cap	-	\$ 5,243,431 \$	5,297,794	\$ 5,351,713 \$		
113 Equipment Expense Bud Cap S S S S S 114 Vehicles SC/No WBS Bud Cap 174,666 - - - 115 Total Capital Equipment [1] \$ 174,666 \$ - S 116 Total WWC- Administration \$ 6,413,963 \$ 6,894,496 \$ 216,911 \$ 7,1 WWC - Gravity Sewer Personnel Services Regular Salaries Labor 2,538,438 3,721,292 472,604 4,1	-				5,410,676 \$	5,471,15
114 Vehicles SC/No WBS Bud Cap 174,666 - - 115 Total Capital Equipment [1] \$174,666 \$ - \$	-	e e				
16 Total WWC-Administration \$ 6,413,963 \$ 6,894,496 \$ 216,911 \$ 7,1 WWC - Gravity Sewer Personnel Services 17 G252301002500090 WCDPS Regular Salaries Labor 2,538,438 3,721,292 472,604 4,11		s - s -	- 5	\$-\$ -	- \$	
WWC - Gravity Sewer Personnel Services 17 G252301002500090 WCDPS Regular Salaries Labor 2,538,438 3,721,292 472,604 4,15	-	s - s	- 5	s - s	- \$	
Personnel Services 17 G252301002500090 WCDPS Regular Salaries Labor 2,538,438 3,721,292 472,604 4,19	7,111,407	\$ 7,226,050 \$	7,339,891	\$ 7,455,073 \$	7,577,136 \$	7,702,61
117 G252301002500090 WCDPS Regular Salaries Labor 2,538,438 3,721,292 472,604 4,19						
	4,193,896	4,319,713	4,449,304	4,582,783	4,720,267	4,861,87
	415,322	427,782	440,615	453,834	467,449	481,47
	(213,261)	(219,659)	(226,249)	(233,036)	(240,027)	(247,22
	130,339	134,249	138,276	142,425	146,697	151,09
121 G252301002500100 WCDPS Shift Differential Labor 40	-	-		-	-	
	322,081	331,743	341,696	351,946	362,505	373,38
123 G252301002500130 WCDPS Accrued Leave Labor 16,841 - - 124 G252301002500150 WCDPS Stip, Award, Allwace Labor - - -	-	-	-	-	-	
L24 G2220102200150 WCD73 Sup, Award, Alwace Labor 67,885	-		-		-	
Labor 0,005	-		-			
	2,028,558	2,089,415	2,152,098	2,216,660	2,283,160	2,351,65
128 G252301002501010 WCDPS FICA Benefits 181,764	-	-	-	-	-	
129 G252301002501011 WCDPS Medicare Benefits 42,509	-	-	-	-	-	
130 G252301002501020 WCDPS Retire Contrb-EE Sy Benefits 723,449	-	-	-	-	-	
131 G252301002501060 WCDPS Health-Cigna High Benefits	-	-	-	-	-	
132 G252301002501061 WCDPS Health OAP 90% Benefits 117,152 - - 133 G252301002501062 WCDPS Health-HSA Plan Benefits 2,800 - -	-	-	-	-	-	
133 G252301002501062 WCDPS Health-MSA Plan Benefits 2,800 - - 134 G252301002501063 WCDPS Health-MyChoice Benefits 21,094 - -	-	-	-	-		
54 G25201002501070 WCDPS Health-Xigna Low Benefits 74,323	-	-	-	-	-	
5 G22201002501080 WCDPS Health-BC/BS Benefits			-			
137 G252301002501090 WCDPS Health-Kaiser Benefits 170,470		-	-	-	-	
138 G252301002501100 WCDPS Insurance-Group Life Benefits 4,209	-	-	-	-	-	
139 G252301002501110 WCDPS Delta Dental Benefits 14,374	-	-	-	-	-	
140 G252301002502150 WCDOE Workers Comp Idmty-P Benefits	-	-	-	-	-	
141 G252301002502150 WCDOE Employee Claim Write-off Benefits	-	-	-	-	-	
	6,876,935	\$ 7,083,243 \$	7,295,740	\$ 7,514,612 \$	7,740,051 \$	7,972,25
Operating Expenses 143 G252301002510000 WCDOE Office Equip&Furnit Inflation \$ 11,573 \$ 12,125 \$ - \$	12,125	\$ 12,404 \$	12,664	\$ 12,918 \$	13,202 \$	13,49
144 G252301002510020 WCDOE Office Supplies Inflation 1,016 -	-		-		• .	
145 G252301002510030 WCDOE Computer Equipment Inflation \$ 124 \$ - \$ - \$	-	s - s	- 3	s - s	- \$	
I46 G252301002510050 WCDOE IT Replacement Part Inflation - <th< td=""><td>5 000</td><td>\$ 5,115 \$</td><td>5,222 5</td><td>\$ 5,327 \$</td><td>5,444 \$</td><td>5.50</td></th<>	5 000	\$ 5,115 \$	5,222 5	\$ 5,327 \$	5,444 \$	5.50
147 G252301002510040 WCDOE Computer Acces&Supl Inflation \$ - \$ 5,000 \$ - \$ 148 G252301002510080 WCDOE Postage Inflation - <td< td=""><td>5,000</td><td>a 5,115 \$</td><td>5,222</td><td>ə 5,32/ \$</td><td>5,444 \$</td><td>5,5</td></td<>	5,000	a 5,115 \$	5,222	ə 5,32/ \$	5,444 \$	5,5
	130.276	\$ 135,487 \$	140,907 5	s 146.543 s	152.404 \$	158,5
147 0525201002510200 wCDOE blog maint exceptin repair 3 44,612 3 150,210 3 - 3 1.		- 100,407 0		- 10,545 8		100,0
151 G252301002510203 WCDOE Hardware Inflation 919		-	-	-	-	
152 G252301002510204 WCDOE HVAC Supplies Inflation \$ (71) \$ - \$ - \$	-	s - s	- 5	s - s	- \$	
153 G252301002510205 WCDOE Lightbulbs Inflation \$ 912 \$ - \$ - \$	-	S - S	- 5	s - s	- \$	
154 G252301002510207 WCDOE Plumbing Supplies Inflation \$ 9,971 \$ - \$ - \$		s - s	- 5	s - s	- \$	
155 G252301002510210 WCDOE Grnds Maint Equ⋑ Inflation \$ 81,892 \$ 15,000 \$ - \$	-		15,667	\$ 15,981 \$	16,332 \$	16,69
156 G252301002510220 WCDOE Lighting Equiptment Inflation	15,000	\$ 15,345 \$			-	

Footnotes on Page 14 of 14.

Table 3 Fairfax County, Virginia Wastewater Revenue Sufficiency and Rate Analysis

Projection of Operating Expenses

					Projection of Operating Expenses						Projected Fiscal Year Ending June 30,						
Line No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024	Adjus	stments	Adjusted 2024	Adjust 2025		2026	Projected F 2027		Ending June 30, 2028	2029
157	G252301002510400	WCDOE	Educational Supplie	Inflation	s	336 \$	5,000		- \$	5,000	s	5,115 \$	5,222	s	5,327 \$	5,444	\$ 5,564
158	G252301002510600	WCDOE	Chemicals	Inflation	3	91	5,000	3	- 5	5,000	3	-				-	- 5,504
159	G252301002510610	WCDOE	Tools County	Inflation		14,971	50,000		-	50,000		51,150	52,224		53,269	54,441	55,638
160	G252301002510620	WCDOE	Eng Drft&Sur Eqp⋑	Inflation	s	1,304 \$	-	s	- \$	-	\$	- \$		\$	- \$		
161	G252301002510630	WCDOE	Water Treat Eqp⋑	Inflation		35,786	50,000		-	50,000		51,150	52,224		53,269	54,441	55,638
162	G252301002510650	WCDOE	Hshl Aplnc/Supl/Rep	Inflation	\$	- \$	4,999	\$	- \$	4,999	\$	5,114 \$			5,326 \$		
163	G252301002510660	WCDOE	Med&Lab Eqp and Sup	Inflation			5,000		-	5,000		5,115	5,222		5,327	5,444	5,564
164	G252301002510670	WCDOE	Park/Rctn Area Equi	Inflation	\$	- \$	5,000	\$	- \$	5,000		5,115 \$	5,222		5,327 \$		
165	G252301002512990	WCDOE	Other Operating Sup	Inflation		23,869	109,028		-	109,028		11,536	113,878		16,155	118,711	121,322
166	G252301002512992	WCDOE	Goods Receipt W/O P	Inflation	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$ -
167 168	G252301002513004 G252301002513020	WCDOE WCDOE	Diesel Fuel Automotive Egup⋑	Inflation Inflation		1,525 10,335	17,134		-	17,134		17,528	17,896		18,254	18,655	19,066
168	G252301002513020 G252301002514010	WCDOE	Fire Protec Eqp⋑	Inflation	s	- \$	17,134	s	- \$	17,134	s	- \$	17,890	\$	- \$		\$ -
170	G252301002514010 G252301002514020	WCDOE	Uniform/Wear Appare	Inf/Emp	3	878	10,000		- 3	10,000		10,230	10,445		10,654	10,888	11,128
171	G252301002514020 G252301002514030	WCDOE	Mis Pub Safe Eqp⋑	Repair	s	9,502 \$	10,000		- \$	10,000	s	- \$		s	- \$		
172	G252301002520000	WCDOE	Ofc Eqp Maint&Repair	Repair	3	1.527	-	3	- 3	-	3	- 0	-	3	- 3	-	
173	G252301002520010	WCDOE	Bldg Maint&Rep Svcs	Repair	s	2,538 \$	50,000	s	- \$	50,000	\$	52,000 \$	54,080	s	56,243 \$	58,493	\$ 60,833
174	G252301002520017	WCDOE	Plumbing M&R	Repair		37,742	44,075			44,075		45,838	47,672		49,578	51,562	53,624
175	G252301002520020	WCDOE	Construct Maint/Repr	Repair	\$	17,482 \$	150,000	\$	- \$	150,000	\$	50,000 \$	52,000	\$	54,080 \$		\$ 58,493
176	G252301002520050	WCDOE	Automotive Equip M&R	Inflation		3,609	-		-	-		-	-		-	-	-
177	G252301002520070	WCDOE	Pub Safety Equip M&	Inflation		161	10,000		-	10,000		10,230	10,445		10,654	10,888	11,128
178	G252301002520110	WCDOE	Other Maint & Repai	Repair	\$	3,748 \$	200,000	\$	- \$	200,000	\$ 20	08,000 \$	216,320	\$ 2	24,973 \$	233,972	\$ 243,331
179	G252301002521050	WCDOE	Edu/Training Service	Inflation		10,230	-		-	-		-	-		-	-	-
180	G252301002521080	WCDOE	Other Pro Cntrct Svc	Inflation	\$	223,628 \$	697,575	\$	- \$	697,575	\$ 30	00,000 \$	306,300	\$ 3	12,426 \$	319,299	\$ 326,324
181	G252301002521110	WCDOE	Public Works Service	Inflation		3,335	-		-	-		-	-		-	-	-
182	G252301002521090	WCDOE	Comm & Media Service	Inflation		-	-		-	-		-	-		-	-	-
183	G252301002521100	WCDOE	Transportation Services	Inflation	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$ -
184	G252301002521140	WCDOE	Safety&Emergency Sv	Inflation		842	-		· · .	-		· · .	-		· · .	-	-
185	G252301002521150	WCDOE	Health Related Srvs	Inflation	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$ -
186 187	G252301002521210 G252301002521250	WCDOE WCDOE	Licensing Fees Misc Servcices	Inflation Inflation	s	- - S	- 100,000	s	- - s	- 100,000	\$ 10	- 02,300 \$	- 104,448	\$ 10	- 06,537 \$	108,881	\$ 111,276
187	G252301002521250 G252301002523020	WCDOE	Rent- Operat Equipmn	Inflation	3	7.505	100,000	2	- \$	15,000		02,300 \$ 15.345	104,448	\$ 10	06,537 \$ 15,981	16.332	\$ 111,276 16,691
188	G252301002523020 G252301002523030	WCDOE	Rent-Construction Equipment	Inflation	s	- \$	15,000	s	- \$	15,000		15,345	15,667		15,981 \$		\$ 16,691
189	G252301002530040	WCDOE	Water County	Water	3	- 5	5,000	3	- 3	5,000	3	5,324	5,696		6,038	6,340	5 16,691 6,594
190	G252301002542000	WCDOE	Local Travel County	Inflation	s	268 \$	5,000	s	- 5	5,000	s	- \$	5,090	s	- \$		\$ -
192	G252301002542050	WCDOE	Miscellaneous Travel	Inflation	ŝ	1.045 \$		ŝ	- \$		ŝ	- \$	-	-	- \$		
193	G252301002542200	WCDOE	Certification	Inflation	ý	375		<i>•</i>	-		•	-		÷			-
194	G252301002542210	WCDOE	Mgmt/Prof Training	Inflation		1,669	-		-	-			-		-	-	
195	G252301002542220	WCDOE	Technical Train Cnt	Inflation	s	5,475 \$	10,000	s	- \$	10,000	s	10,230 \$	10,445	s	10,654 \$	10,888	\$ 11,128
196	G252301002542230	WCDOE	Non-Technical Training	Insurance	-	265		•						-	-	-	-
197	G252301002541020	WCDOE	Crime Ins Prem	Insurance			-		-	-		-	-		-		
198	G252301002543000	WCDOE	Cash Awards	Benefits	\$	- \$	-	\$	- \$	-	s	- \$	-	S	- \$	-	s -
199	G252301002544000	WCDOE	Copying	Inflation		-	-		-	-		-	-		-	-	-
200	G252301002544050	WCDOE	Assigned Agency Veh	Inflation	\$	- \$	-	\$	- \$	-	\$	- \$	-	s	- \$	-	s -
201	G252301002544060	WCDOE	Motor Pool	Inflation		-	-		-	-		-	-		-	-	-
202	G252301002544070	WCDOE	Fuel	Fuel	\$	- \$	199,496	\$	- \$	199,496	\$ 20	07,476 \$	215,775	\$ 2	24,406 \$	233,382	\$ 242,717
203	G252301002544090	WCDOE	Service-Other Agenc	Inflation		40,288	-		-	-		-	-		-	-	-
204	G252301002544512	WCDOE	Internal FFX Suppor	Inflation	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$ -
205	G252301002544538	WCDOE	Professional Memberships	Inf/Emp		125	-		-	-		-	-		-	-	-
206	G252301002544540	WCDOE	Credit Card Expense	Inflation	s	- \$		\$	- \$		\$	- \$		\$	- \$		\$ -
207	G252301002544547	WCDOE	Refuse Disposal Exp	Inflation		5,075	10,000		-	10,000		10,230	10,445		10,654	10,888	11,128
208	G252301002544990	WCDOE	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	\$ 1,5	19,395 \$	1,564,840	\$ 1,6	10,900 \$	1,660,114	\$ 1,710,899
			Recovered Costs														
210	G252301002500121	WCDRC	WPFO-Labor Charges	Labor	\$	- \$	(350,000)		- \$	(350,000)		60,500) \$	(371,315)		82,454) \$		
211	G252301002500122	WCDRC	WPFO-Agency OH Cost	Inflation		-	(198,000))	-	(198,000)	(20	02,554)	(206,808)) (2	10,944)	(215,585)	(220,327)
212	G252301002501520	WCDRC	Reimb-CptlFringe Be	Benefits		-			-	-		-	-		-		-
213	G252301002543500	WCDRC	WPFO-Materials	Inflation		-	-		-	-		-	-		-	-	-
214	G252301002543510	WCDRC	WPFO-Equipment	Inflation		-	(5,000))	-	(5,000)		(5,115)	(5,222))	(5,327)	(5,444)	(5,564)
215			Total Recovered Costs		s	- \$	(553,000)) \$	- \$	(553,000)	\$ (50	68,169) \$	(583,345)	\$ (5	98,725) \$	(614,957)	\$ (631,637)
			Capital Equipment [1] [1]		-	φ	(,		4	(,)	. (54	1.014	(. (5	,. - , ¢	(,)	(
216	G252301002566125	WCDCE	Equipment Expense	Bud Cap	s	93,697 \$	-	\$	- \$	-	\$	- \$	-	\$	- \$	-	s -
217	G252301002566150	WCDCE	Vehicles Expense	Bud Cap		833,588	6,224,549	(6	5,224,549)	-		-	-			-	-
218	G252301002566999	WCDCE	FCG General Capital	Bud Cap		-	-	0		-		-	-		-	-	-
			1	1.	6	027 205 0	6 22 4 612	e	004 6401 0		e			· ·			e
219			Total Capital Equipment [1] [1]		\$	927,285 \$	6,224,549		5,224,549) \$	-	\$	- \$	-	\$	- \$		\$ -
220			Total WWC - Gravity Sewer		\$	5,975,434 \$	13,753,639	\$ (5	5,449,597) \$	8,304,042	\$ 8,03	34,469 \$	8,277,235	\$ 8,5	26,787 \$	8,785,208	\$ 9,051,514
			WWC - Pumping Stations														
			Personnel Services														
221	G252301003500000	WCDPS	Regular Salaries	Labor	s	2,114,989 \$	2,415,057	s	306,712 \$	2,721,769	\$ 2,80	03,422 \$	2,887,525	\$ 2,9	74,151 \$	3,063,375	\$ 3,155,277
222	G252301003500050	WCDPS	Annual Comp Increas	Labor	-	-	285,517	-	36,261	321,778		31,431	341,374		51,615	362,164	373,028
223	G252301003500080	WCDPS	POS Turnover-Pay	Labor		-	(189,264))	(24,037)	(213,301)		19,700)	(226,291)		33,079)	(240,072)	(247,274)
224	G252301003500090	WCDPS	Reg Sal-Non Mert Em	Labor		147,934	739		94	833	`	858	884		910	937	966
225	G252301003500090	WCDPS	Shift Differential	Labor		-	-		-	-		-	-		-	-	-
226	G252301003500110	WCDPS	Extra pay	Labor		169,124	96,518		12,258	108,776	1	12,039	115,400	1	18,862	122,428	126,101
227	G252301003500130	WCDPS	Accrued Leave	Labor		114,558	-		-	-		-	-		-	-	-
228	G252301003500150	WCDPS	Bonuses	Labor		2,500	-		-	-		-	-		-	-	-
229	G252301003500150	WCDPS	Leave Pay-out	Labor		373	-		-	-		-	-		-	-	-
230	G252301003501000	WCDPS	Fringe Benefits	Benefits		-	1,087,980		138,173	1,226,153	1,20	62,938	1,300,826	1,3	39,851	1,380,047	1,421,448
231	G252301003501010	WCDPS	FICA	Benefits		144,671	-		-	-		-	-		-	-	-
	G252301003501011	WCDPS	Medicare	Benefits		33,764	-		-	-		-	-		-	-	-
232																	
232 233	G252301003501020	WCDPS	Retire Contrb-EE Sy	Benefits		595,993	-		-	-		-	-		-	-	-
232	G252301003501020 G252301003501060 G252301003501061	WCDPS WCDPS WCDPS	Retire Contrb-EE Sy Health-Cigna High Health OAP 90%	Benefits Benefits Benefits		595,993 - 119,515	-		-	-		-	-		-	-	-

Footnotes on Page 14 of 14.

Page 4 of 14

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

Line	C/I Cole Description			Escalation		Actual	Adopted	A dia -		Adjusted	Adjusted			rojected Fiscal Year E		2020
No.	G/L Code		Description	Reference		2023	2024	Adjustments	8	2024	20	025	2026	2027	2028	2029
236 237		WCDPS WCDPS	Health-HSA Plan	Benefits		4,200 43,136	-		-	-		-	-	-	-	
237		WCDPS	Health-MyChoice Health Insurance-Cigna Low	Benefits Benefits		43,136 85,826			-							
239		WCDPS	Health-BC/BS	Benefits		-	-		-	-		-	-	-	-	
240		WCDPS	Health-Kaiser	Benefits		92,489	-		-	-		-	-	-	-	
241 242		WCDPS WCDPS	Insurance-Group Life Delta Dental	Benefits Benefits		3,484 12,497	-		-	-		-	-	-	-	
242 243		WCDPS	Workers Comp Idmty-P	Benefits		12,497			-							
244	0202001000002100		Total Personnel Services	Denents	s	3,685,053 \$	3,696,547 \$	\$ 469,4	61 \$	4,166,008	\$ 4	,290,989 \$	4,419,718 \$	4,552,310 \$	4,688,879 \$	4,829,54
					-	.,	.,	,		.,,	-	,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	.,	.,	.,
245	G252301003510000	WCDOE	Operating Expenses Office Equip&Furnitr	Inflation		6,575								-	-	
246	G252301003510020	WCDOE	Office Supplies	Inflation	\$	276 \$	- 5	\$	- \$	-	\$	- \$	- \$		- \$	
247		WCDOE	Computer Equipment	Inflation	\$	662 \$	7,500 \$	\$	- \$	7,500	s	7,673 \$	7,834 \$		8,166 \$	8,34
248 249		WCDOE WCDOE	Computer Acces&Supl IT Replacement Part	Inflation Inflation		34	5,000		-	5,000		5,115	5,222	5,327	5,444	5,56
249		WCDOE	Postage	Inflation		-	-		2	-		-	-	-	-	
251		WCDOE	Bldg Maint & Repair	Repair		23,994	10,000		-	10,000		10,400	10,816	11,249	11,699	12,16
252		WCDOE	Electrical Supplies	Repair		36,325	-		-	-		-	-	-	-	
253 254		WCDOE WCDOE	Hardware HVAC Supplies	Repair Repair		15,522 1,116	-		-	-		-	-	-	-	
254		WCDOE	Lightbulbs	Repair		2,012	-		-	-		-	-	-	-	
256		WCDOE	Plumbing Supplies	Repair		77,946	95,099		-	95,099		98,903	102,859	106,973	111,252	115,70
257		WCDOE	Grnds Maint Equ&Supl	Repair		1,027			-	-		-	-	-	-	
258		WCDOE	Educational Supplies	Inflation		2,379	2,000		-	-		-	-	-	-	
259 260		WCDOE WCDOE	Lighting Equipment Chemicals	Chem-Flow Chem-Flow		2,379 380,729	314,166		2	314,166		500,000	521,638	544,213	567,770	592,34
261		WCDOE	Tools County	Inflation		42,946	15,235		-	15,235		15,586	15,913	16,231	16,588	16,95
262		WCDOE	Water Treat Eqp⋑	Inflation		-	-		-	-		-	-	-	-	
263		WCDOE	Eng Drft&Sur Eqp⋑	Inflation		28,737	69,046		-	69,046		70,634	72,117	73,559	75,178	76,83
264 265		WCDOE WCDOE	Hshl Aplnc/Supl/Repl Med&Lab Eqp and Sup	Inflation Inflation		30 20	-			-		-	-	-	-	
265		WCDOE	Other Operating Sup	Inflation		177,469	367,486		-	367,486		375,938	383,833	391,509	400,123	408,92
267		WCDOE	Diesel Fuel	Fuel		7,315	37,685		-	37,685		39,193	40,760	42,391	44,086	45,85
268		WCDOE	Automotive Parts	Inflation		613			-							
269 270		WCDOE WCDOE	Automotive Equp⋑	Inflation Inf/Emp		12,482 2,987	5,000		-	5,000		5,115	5,222	5,327	5,444	5,56
270		WCDOE	Heating Fuel Uniform/Wear Appare	Inf/Emp Inf/Emp		6,081	5,134		2	5,134		5,252	5,363	5,470	5,590	5,71
272		WCDOE	Mis Pub Safe Eqp⋑	Inflation		1,985	-		-			-	-	-	-	2,71
273	G252301003520000	WCDOE	Ofc Eqp Maint&Repair	Repair		209	-		-	-		-	-	-	-	
274		WCDOE	Bldg Maint & Repair	Repair		6,667	50,000		-	50,000		52,000	54,080	56,243	58,493	60,83
275		WCDOE WCDOE	Electrical M&R HVAC M&R	Repair		2,643 17,829	36,640 13,758		-	36,640 13,758		38,106 14,308	39,630 14,880	41,216	42,864 16,094	44,57 16,73
276 277		WCDOE	Mechanical Inspect	Repair Repair		3,672	13,738		-	13,738		14,508	14,000	15,475	10,094	10,75
278		WCDOE	Plumbing M&R	Repair		24,449	50,650		-	50,650		52,676	54,783	56,974	59,253	61,62
279	G252301003520020	WCDOE	Construct Maint/Repr	Repair		-	-		-	-		-	-	-	-	
280		WCDOE	Automotive Equip M&R	Repair			-		-	-		-	-	(20, 125		(70.20)
281 282		WCDOE WCDOE	Other Maint & Repai IT Equip Maint&Supp	Repair Inf/Emp		431,543 603	558,401		-	558,401		580,737	603,966	628,125	653,250	679,380
282		WCDOE	Employment Services	Inf/Emp		5,451	4,544		-	4,544		4,649	4,746	4,841	4,948	5,050
284		WCDOE	Educational/Training Services	Inf/Emp		16,805	-		-	-		-	-	-	-	-,
285		WCDOE	Computer Services	Inflation		36,690	-		-	-		-	-	-	-	
286		WCDOE	Other Pro Cntrct Sv	Inflation		22,051	240,000		-	240,000		245,520	250,676	255,689	261,315	267,064
287 288		WCDOE WCDOE	Comm & Media Service Grnds/Rec/Parks Svcs	Inflation Inflation		-	-		-	-		-	-	-	-	
289		WCDOE	Safety&Emergency Sv	Inflation		9,883	10,000		-	10,000		10,230	10,445	10,654	10,888	11,12
290		WCDOE	Licensing Fees	Inflation		1,282	1,500		-	1,500		1,535	1,567	1,598	1,633	1,669
291		WCDOE	Misc Servcices	Inflation		-	210,000		-	210,000		214,830	219,341	223,728	228,650	233,68
292		WCDOE	Rent-Operating Equipment	Inflation		-	-		-	-		-	-	1 681 000	1 722 025	1 766 10
293 294		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	1,640,000 51,936	1,681,000 55,052	1,723,025 57,805	1,766,10 60,11
294		WCDOE	Local Travel County	Inflation		58,518	45,587		-	45,587		40,559	51,950		57,805	00,11
296	G252301003542200	WCDOE	Certification	Inflation		-	-		-	-		-	-	-	-	
297		WCDOE	Mgmt/Prof Training	Inflation		-	-		-	-		-	-	-	-	
298 299		WCDOE WCDOE	Technical Train Cnt Operational Travel	Inflation		40,150	-		-	-		-	-	-	-	
299 300		WCDOE	Operational Travel Cash Awards	Inflation Benefits		-	-		2	-		-	-	-	-	
301		WCDOE	Assigned Agency Veh	Inflation		-	61,974		-	61,974		63,399	64,731	66,025	67,478	68,96
302	G252301003544060	WCDOE	Motor Pool	Inflation		-	-		-	-		-	-	-	-	
303		WCDOE	Fuel	Fuel		-			-							
304		WCDOE	Internal FFX Suppor Professional Memberships	Inflation Inf/Emp		-	12,500		-	12,500		12,788	13,056	13,317	13,610	13,91
305 306		WCDOE WCDOE	Credit Card Expenditures	Inf/Emp Inflation		-	-		-	-			-	-	-	
307		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		\$	2,880,777 \$	4,281,407 \$	\$	- \$	4,279,407	\$ 4	,097,675 \$	4,220,483 \$	4,345,747 \$	4,476,778 \$	4,611,51
			Recovered Costs													
310		WCDRC	WPFO-Labor Charges	Labor	\$	- \$	- 5	\$	- \$	-	\$	- \$	- \$		- \$	
311 312		WCDRC WCDRC	WPFO-Agency OH Cost WPFO-Materials	Inflation Inflation		-	-		-				-	-	-	
313		WCDRC	WPFO-Equipment	Inflation		-			-			-		-	-	
314			Total Recovered Costs		\$	- \$	- 5	\$	- \$		s	- \$	- \$	- \$	- \$	
						9			-			-				
315	G252301003564100		Capital Equipment [1] Construct-Equip Acq	Bud Cap	\$	- S	- 5	\$	- \$	-	\$	- \$	- \$	- \$	- S	
316	G252301003566125	WCDCE	Equipment Expense	Bud Cap		142,249	71,790	(71,7		-		-	-	-	-	
317		WCDCE	Vehicles Expense	Bud Cap		93,762	1,271,348	(1,271,3		-		-	-	-	-	
318			Total Capital Equipment [1]		\$	236,011 \$	1,343,138	\$ (1,343,1	38) \$		\$	- \$	- \$	- \$	- \$	
319			Total WWC - Pumping Stations		\$	6,801,840 \$	9,321,092		577) \$	8,445,415		3,388,664 \$	8,640,201 \$	8,898,057 \$	9,165,657 \$	9,441,05
					Ψ.	0,001,010 0	/,/21,0/2 4	- (0/3,0		0, 10, 410	ΨC	φ	0,010,201 0	0,020,027 0	2,100,007 0	2,771,0

Footnotes on Page 14 of 14.

						Pro	jection of Opera	ting Expenses							
Line No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024	Adjustments	Adjusted 2024		Adjusted	2026 Pro	pjected Fiscal Year E 2027	nding June 30, 2028	2029
	GECOL		Description	Itelefence		2025	2021	rujusunents	2021		2023	2020	2027	2020	202)
			WWC - Project & Assets												
320	G252301004500000	WCDPS	Personnel Services Regular Salaries	Labor	s	2,653,570 \$	2,397,809	\$ 304,522 \$	2,702,331	s	2,783,401 \$	2,866,903 \$	2,952,910 \$	3,041,497 \$	3,132,742
320	G252301004500050	WCDPS	New Position-Regular Salaries	Labor	3	2,035,570 \$	2,597,809	5 504,522 5	2,702,331	3	2,785,401 5	2,800,905 \$	2,952,910 \$	5,041,497 \$	5,152,742
322	G252301004500050	WCDPS	Annual Comp Increas	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	372	3,298		3,397	3,498	3,603	3,711	3,823
324 325	G252301004500100 G252301004500110	WCDPS WCDPS	Shift Differential Extra pay	Labor Labor		3,205 118,041	-	-	- 5		-	- 5	- 5	- 5	-
325	G252301004500110 G252301004500130	WCDPS	Accrued Leave	Labor		(924)	4	-	-		-	-	-	-	-
327	G252301004500150	WCDPS	Leave Pay Out	Benefits		2,352	-	-	-		-	-	-	-	
328	G252301004501000	WCDPS	Fringe Benefits	Benefits		-	1,090,247	138,461	1,228,708		1,265,570	1,303,537	1,342,643	1,382,922	1,424,410
329	G252301004501010	WCDPS	FICA	Benefits		169,083	-	-	-		-	-	-	-	-
330 331	G252301004501011 G252301004501020	WCDPS WCDPS	Medicare Retire Contrb-EE Sv	Benefits Benefits		39,600 752,799	-	-	-		-	-	-	-	-
332	G252301004501020	WCDPS	Health-Cigna High	Benefits			-	-	-		-	-	-	-	
333	G252301004501061	WCDPS	Health OAP 90%	Benefits		229,520	-	-	-		-	-	-	-	-
334	G252301004501062	WCDPS	Health-HSA Plan	Benefits		7,410	-	-	-		-	-	-	-	-
335 336	G252301004501063 G252301004501070	WCDPS WCDPS	Health-MyChoice Health Cigna Low	Benefits Benefits		74,211 57,893	-	-	-		-	-	-	-	-
330	G252301004501070 G252301004501080	WCDPS	Health-BC/BS	Benefits		57,893					-	-			-
338	G252301004501080	WCDPS	Health-Kaiser	Benefits		114,175	-					-			
339	G252301004501100	WCDPS	Insurance-Group Life	Benefits		4,468	-	-	-		-	-	-	-	-
340	G252301004501110	WCDPS	Delta Dental	Benefits		16,969	-	-	-		-	-	-	-	-
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
343 344	G252301004510020 G252301004510030	WCDOE WCDOE	Office Supplies Computer Equipment	Inflation Inflation		43 114	-	-	-					-	-
345	G252301004510031	WCDOE	Computer Sys Lic Non	Inflation	s	39,281 \$		s - s		\$	- \$	- \$	- 5	- \$	_
346	G252301004510032	WCDOE	Othr NonCap Eqpt Pur	Inflation		-	-	-	-		-	-	-	- '	-
347	G252301004510040	WCDOE	Computer Acces&Supl	Inflation	\$	206 \$	-	s - s	-	\$	- \$	- \$	- \$	- \$	-
348	G252301004510610	WCDOE	Tools County	Inflation		1,453	-	-	-		-	-	-	-	-
349 350	G252301004510630 G252301004510200	WCDOE WCDOE	Water Treat Eqp&Supl Bldg Materials & Sup	Inflation Inflation	\$	94 \$ 110	-	s - s		\$	- \$	- \$	- \$	- \$	-
351	G252301004510200	WCDOE	Electrical Supplies	Inflation	s	- \$		s - s	-	s	- \$	- \$	- \$	- \$	-
352	G252301004510203	WCDOE	Hardware	Inflation		3,286	-	-	-		-	-	-	- '	-
353	G252301004510206	WCDOE	Paint/Paint Supplies	Inflation		-	-	-	-		-	-	-	-	-
354 355	G252301004510400	WCDOE	Educational Supplies	Inflation	\$	- \$		s - s	-	\$	- \$	- \$	- \$	- \$	-
355 356	G252301004510620 G252301004510660	WCDOE WCDOE	Eng Drft&Sur Eqp⋑ Med&Lab Eqp and Supl	Inflation Inflation	s	5,000 - \$		s - s	-	s	- - S	- - S	-	- - S	-
357	G252301004510640	WCDOE	Food Srv Equip/Supl	Inflation	3	24		s - s -	-	¢	- 3	- 3	- 3	- 3	-
358	G252301004512990	WCDOE	Other Operating Sup	Inflation		30,478	29,522	-	29,522		30,201	30,835	31,452	32,144	32,851
359	G252301004513016	WCDOE	Automotive Parts	Inflation	\$	1,407 \$	-	s - s	-	\$	- \$	- \$	- \$	- \$	-
360	G252301004513020	WCDOE	Automotive Equp&Supl	Inflation	\$	337 \$	-	s - s	-	\$	- \$	- \$	- \$	- \$	-
361 362	G252301004514000 G252301004514020	WCDOE WCDOE	Poli/Prison Eqp&Supl Uniform/Wear Apparel	Inflation Repair	s	- 15,697 \$	2,812	s - s	2,812	s	2,924 \$	3,041 \$	3,163 \$	3,289 \$	3,421
363	G252301004520000	WCDOE	Ofc Eqp Maint&Repair	Repair	3	15,097 3	2,012		2,612	3	2,924 3	5,041 5	5,105 3	3,209 3	5,421
364	G252301004520010	WCDOE	Bldg Maint&Rep Svcs	Repair	\$	- \$		s - s	-	\$	- \$	- \$	- \$	- \$	-
365	G252301004520016	WCDOE	Extermination Svcs	Repair		-	-	-	-		-	-	-	-	-
366	G252301004520020	WCDOE	Construct Maint/Repr	Repair	\$	- \$			-	\$	- \$	- \$	- \$	- \$	-
367 368	G252301004520050 G252301004520070	WCDOE WCDOE	CCTV Pub Safety Equip M&R	Inflation Repair	s	- - S		290,000 \$ - \$	290,000	s	168,000	171,528	174,959 - \$	178,808 - \$	182,741
369	G252301004520100	WCDOE	Scienti/Tech Eqp M&R	Repair	3	22.944		s - s -	-	¢	- 3	- 3	- 3	- 3	-
370	G252301004520110	WCDOE	Other Maint & Repai	Repair	s	79,155 \$	15,845	s - s	15,845	\$	16,479 \$	17,138 \$	17,823 \$	18,536 \$	19,278
371	G252301004521050	WCDOE	Edu/Training Service	Inflation		650	27,996	-	27,996		28,640	29,241	29,826	30,482	31,153
372	G252301004521125	WCDOE	Miss Utility Service	Inflation	\$	147,896 \$	1,851,663	s - s	1,851,663	\$	1,894,251 \$	1,934,031 \$	1,972,711 \$	2,016,111 \$	2,060,465
373 374	G252301004521210 G252301004521060	WCDOE WCDOE	Licensing Fees Computer Services	Inflation Inflation	s	3,780 39,232 \$		s - s		s	- - S	- \$	- - S	- \$	
375	G252301004521060 G252301004521063	WCDOE	Tech Contrct Svcs	Inflation	\$	18,000		- 3		ه	- 3	- 3	- 3	- 3	
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	G252301004521090	WCDOE	Comm & Media Serv	Inflation	\$	- \$	-		-	\$	- \$	- \$	- \$	- \$	-
379 380	G252301004521250 G252301004542000	WCDOE WCDOE	Misc Servcices	Inflation	s		290,000	(290,000)	-	s		-	- - S	-	-
380 381	G252301004542000 G252301004542220	WCDOE	Local Travel County Technical Training County	Inflation Inflation	3	- \$	35,000	s - s -	35,000	3	35,805	- \$ 36,557	37,288	- \$ 38,108	- 38,947
382	G252301004542050	WCDOE	Miscellaneous Travel	Inf/Emp	\$	496 \$	-	s - s		\$	- \$	- \$	- \$	- \$	
383	G252301004542200	WCDOE	Certification	Inf/Emp	\$	1,500 \$	20,000	s - s	20,000	s	20,460 \$	20,890 \$	21,307 \$	21,776 \$	22,255
384	G252301004542210	WCDOE	Mgmt/Prof Training	Inf/Emp	6	695	-		-	~	• .	• .			-
385 386	G252301004544538 G252301004544990	WCDOE WCDOE	Professional Memberships Other Operating Exp	Inf/Emp Inflation	\$	- \$ 5.453	-	s - s	-	\$	- \$	- \$	- \$	- \$	-
387	6252501004544990	WEDGE	Total Operating Expenses	inflation	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
					~	-, <u>_</u> _, <u>_</u> Ø	_,,		_,. 11,000	~	_,	_,, 0	_,,201 0	_,,	_,, 10,010
388	G252301004566125	WCDCE	Capital Equipment [1] Equipment Expense	Bud Cap	s	93.204 \$	-	s - s		s	- S	- \$	- S	- \$	-
389	G252301004566150	WCDCE	Vehicles Expense	Bud Cap Bud Cap	9	345,014	1,200,000	(1,200,000)	-	9	- 3	- 3	- 3	- 3	
390			-	r'	\$	438,218 \$	1,200,000			s	- \$	- \$	- \$	- \$	
390			Total Capital Equipment [1]					,	-		- \$		+	· · · · · ·	-
391 392			Total WWC - Project & Assets Total Wastewater Collection Departm		s s	6,034,803 \$ 25,226,040 \$	7,674,399		6,948,429 30,809,294	S S	7,009,335 \$	7,195,895 \$ 31,453,222 \$	7,384,844 \$	7,584,461 \$	7,789,588 33,984,769

						Pro	jection of Oper	rating Expenses							
Line No.	G/L Code		Description	Escalation Reference		Actual 2023	Adopted 2024	Adjustments	Adjusted 2024	A	Adjusted 2025	2026	Projected Fiscal Year I 2027	inding June 30, 2028	2029
			WT- WASTEWATER TREATME	-	I. Cole										
			WWT - Administration												
			Personnel Services												
393 394	G252302001500000 G252302001500000	WTDPS WTDPS	Regular Salaries	Labor Labor	\$	634,547 \$	1,143,531	\$ 145,228 \$	1,288,759	\$	1,327,422 \$	1,367,245	\$ 1,408,262 \$	1,450,510 \$	1,494,02
394 395	G252302001500000 G252302001500050	WTDPS	Additional Personnel Annual Comp Increas	Labor Labor		-	82,629	10,494	93,123		95,917	98,794	101,758	104,811	107,95
396	G252302001500080	WTDPS	POS Turnover-Pay	Labor		-	(1,310)	(166)	(1,476)		(1,521)	(1,566)		(1,662)	(1,71
397	G252302001500090	WTDPS	Reg Sal- Non Mert Em	Labor		-	34,135	4,335	38,470		39,624	40,813	42,037	43,298	44,59
398 399	G252302001500100 G252302001500110	WTDPS WTDPS	Shift Differential Extra pay	Labor Labor		25,750	21,740	2,761	24,501		25,236	25,993	26,773	27,576	28,40
400	G252302001500121	WTDPS	WPFO-Labor Charges	Labor		-									20,10
401	G252302001500122	WTDPS	WPFO-Agency OH Cost	Labor		-	-	-	-		-	-		-	
402 403	G252302001500130 G252302001500150	WTDPS WTDPS	Accrued Leave Bonuses	Labor Labor		6,228 8,750		-			-				
404	G252302001500150	WTDPS	Leave Pay-out	Labor		-	-	-	-		-	-	-	-	
405	G252302001501000	WTDPS	Fringe Benefits	Benefits			539,388	68,502	607,890		626,127	644,911	664,258	684,186	704,71
406 407	G252302001501010 G252302001501011	WTDPS WTDPS	FICA Medicare	Benefits Benefits		38,438 9,201		-	-		-	-	-	-	
408	G252302001501011	WTDPS	Retire Contrb-EE Sy	Benefits		140,795		-	-		-	-		-	
409	G252302001501060	WTDPS	Health-Cigna High	Benefits			-	-	-		-	-	-	-	
410 411	G252302001501061 G252302001501062	WTDPS WTDPS	Health OAP 90% Health-HSA Plan	Benefits Benefits		9,973 3,670	-	-	-		-	-	-	-	
412	G252302001501002 G252302001501063	WTDPS	Health-MyChoice	Benefits		32,509	-		-						
413	G252302001501070	WTDPS	Health-Cigna Low	Benefits		32,081	-	-	-		-	-	-	-	
414 415	G252302001501080 G252302001501090	WTDPS WTDPS	Health-BC/BS Health-Kaiser	Benefits 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	95,651	98,520	101,476	104,5
420			Total Personnel Services		\$	1,053,532 \$	1,900,113	\$ 241,314 \$	2,141,427	\$	2,205,670 \$	2,271,840	\$ 2,339,995 \$	2,410,195 \$	2,482,5
421	G252302001510000	WTDOE	Operating Expenses Office Equip&Furnit	Inflation	s	34,483 \$	65,000	s - s	65,000	s	66,495 \$	67,891	\$ 69,249 \$	70,773 \$	72,3
421	G252302001510000 G252302001510010	WTDOE	Copier	Inflation	3	54,485 5	65,000	s - s -		\$		67,891	5 69,249 5		12,5
423	G252302001510020	WTDOE	Office Supplies	Inflation		12,855	20,000	-	20,000		20,460	20,890	21,307	21,776	22,2
424	G252302001510030	WTDOE	Computer Equipment	Inflation		-	912	-	912		933	953	972	993	1,0
425 426	G252302001510040 G252302001510060	WTDOE WTDOE	Computer Acces&Supl Printing Acces&Supl	Inflation Inflation	s	4,704 153 \$		s - s		s	- 5		s - s	- 5	
427	G252302001510000	WTDOE	Clean Supplies Cnty	Inflation	ŝ	- \$		s - s		ŝ	- 3	-	s - s	- 3	
428	G252302001510080	WTDOE	Postage	Inf/Cust		8,356	5,000	-	5,000		5,136	5,266	5,393	5,535	5,6
429 430	G252302001510640 G252302001510660	WTDOE WTDOE	Food Srv Equip Med&Lab Eqp and Supl	Inf/Cust Inflation		-	-	-	-		-	-	-	-	
430	G252302001510800 G252302001510200	WTDOE	Bldg Maint & Repair	Repair		245	1.000	-	1,000		1,040	1,082	1,125	1,170	1,2
432	G252302001510203	WTDOE	Hardware	Inflation	\$	- \$	-	s - s		\$	- \$	-	s - s	- \$	-,-
433	G252302001510204	WTDOE	HVAC Supplies	Inflation		269	-	-	-		-	-		-	
434 435	G252302001510207 G252302001510210	WTDOE WTDOE	Plumbing Supplies Grnds Maint Equ&Supl	Inflation Inflation		1,563	-		-		-	-	-		
436	G252302001510210	WTDOE	Educational Supplie	Inflation		970	-	-	-		-	-		-	
437	G252302001510610	WTDOE	Tools County	Inflation	\$	2,711 \$	-	s - s	-	\$	- \$	-	S - S	- \$	
438 439	G252302001510630 G252302001512990	WTDOE WTDOE	Water Treat Eqp⋑ Other Operating Sup	Inflation Inflation		564 7,749	50,000	-	50,000		51,150	52,224	53,269	- 54,441	55,6
440	G252302001513000	WTDOE	Automotive Fuel	Fuel		-	- 50,000				- 51,150	- 52,224		-	55,0
441	G252302001513004	WTDOE	Diesel Fuel	Fuel		-	20,000	-	20,000		20,800	21,632	22,497	23,397	24,3
442	G252302001513030	WTDOE	Heating Fuel	Fuel	\$	- \$	-	s - s	-	\$	- \$	-	s - s	- \$	-
443 444	G252302001514010 G252302001513016	WTDOE WTDOE	Fire Protec Eqp⋑ Automotive Parts	Inflation Inf/Emp		80	-	-	-		-	-	-	-	
445	G252302001513020	WTDOE	Automotive Equp&Supl	Inf/Emp		4,961	-	-	-		-		-	-	
446	G252302001514020	WTDOE	Uniform/Wear Appare	Inf/Emp		328,821	317,343	-	317,343		324,642	331,459	338,089	345,527	353,1
447 448	G252302001514030 G252302001520000	WTDOE WTDOE	Mis Pub Safe Eqp⋑ Ofc Eqp Maint&Repai	Inf/Emp Repair		59,764	589	-	589		602	615	627	641	6
449	G252302001520010	WTDOE	Bldg Maint & Repair	Repair	s	44 \$		s - 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	2,1
452 453	G252302001520070 G252302001520110	WTDOE WTDOE	Pub Safety Equip M&R Other Maint & Repair	Inflation Repair		112	-		-		-	-	-		
454	G252302001521050	WTDOE	Edu Training Servic	Repair	s	- \$	900	s - s	900	\$	936 \$	973	\$ 1,012 \$	1,053 \$	1,0
455	G252302001521060	WTDOE	Computer Services	Inflation		-	845	-	845		864	882	900	920	ç
456 457	G252302001521062 G252302001521070	WTDOE WTDOE	Telecommunication Chargeback Print/Typeset Servce	Inflation Inflation		737	737	-	737		754	770	785	802	8
457 458	G252302001521070 G252302001521080	WTDOE	Other Pro Cntrct Sv	Inflation		28,475	100,000	-	100,000		102,300	104,448	106,537	108,881	111,2
459	G252302001521090	WTDOE	Comm & Media Servic	Inflation	\$	66,541 \$	88,495	s - s		\$	90,530 \$	92,431		96,354 \$	98,4
460	G252302001521092	WTDOE	Telecom Service-Commercial	Inflation		626	-	-	-		-	-	-		
461 462	G252302001521093 G252302001521110	WTDOE WTDOE	Telecommunication Chargeback Public Works Servic	Inflation Inflation		1,862	1,862	-	1,862		1,905	1,945	1,984	2,027	2,0
462 463	G252302001521110 G252302001521140	WTDOE	Safety&Emergency Sv	Inflation		144,072	147,121	-	147,121		150,505	153,666	156,739	160,187	163,
464	G252302001521150	WTDOE	Health Related Srvs	Inflation	\$	3,250 \$	20	s - s	20	s	20 \$	21	\$ 21 \$	21 \$	
465	G252302001521210	WTDOE	Licensing Fees	Inflation		26,440	45,499	-	45,499		46,545	47,523	48,473	49,540	50,6
466 467	G252302001521240 G252302001521250	WTDOE WTDOE	Meals Miscellaneous Services	Inflation Inflation		1,172	-	-	-		-	-	-	-	
467	G252302001521250 G252302001530010	WTDOE	Natural Gas Company	Gas			-	-						-	
469	G252302001530040	WTDOE	Water County	Inflation	\$	- \$	-	s - s	-	\$	- \$	-	s - s	- S	
470	G252302001530050	WTDOE	Other Utility Expense	Insurance		1,556	-	-	-		-	-		-	

Footnotes on Page 14 of 14.

Proi	ection	of O	perating	Ex	penses	
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Line				Escalation	Act	tual –	Adopted			Adjusted		Adjusted		Projected Fiscal Year	Ending June 30.	
No.	G/L Code		Description	Reference	20)23	2024		Adjustments	2024		2025	2026	2027	2028	2029
471	G252302001541020	WTDOE	Crime Ins Prem	Insurance		-	-		-	-		-	-	-	-	-
472	G252302001541050	WTDOE	Gen Liab Admin	Insurance			-			-		-	-	-		-
473	G252302001541090	WTDOE	Auto Liab Admin	Insurance		-	-		-	-		-	-	-	-	-
474	G252302001542000	WTDOE	Local Travel County	Inflation	\$	102 \$	5 1,000	\$	- \$	1,000	s	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	-		-	-		-	-	-	-	-
478 479	G252302001542220	WTDOE	Technical Train Cnt	Inflation		85,604	172,288		-	172,288		176,251	179,952	183,551	187,589	191,716
479	G252302001542520 G252302001543000	WTDOE WTDOE	Reimb-Telephone Exp Cash Awards	Inflation Benefits	\$	- \$	-	\$	- \$	-	\$	- \$	-	s - s	- \$	-
480	G252302001543020 G252302001543020	WTDOE	Departmental Awards	Inflation		4,391	11,585			11,585		11,851	12,100	12,342	12,614	12,891
482	G252302001543510	WTDOE	WPFO-Equipment	Inflation		4,571	11,505			11,505		11,051	12,100	12,542	12,014	12,071
483	G252302001544000	WTDOE	Copying	Inflation		-	-		-	-		-	-	-		-
484	G252302001544020	WTDOE	Phototypesetting	Inflation	s	- 5	-	s	- \$	-	s	- \$	-	s - s	- \$	-
485	G252302001544030	WTDOE	Printing and Bindin	Inflation		1,296	1,200			1,200		1,228	1,253	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	\$	- \$	50,000	s	51,150 \$	52,224	\$ 53,269 \$	54,441 \$	55,638
490	G252302001544220	WTDOE	Fam Partn Pgm-Contra	Inflation		-	-		-	-		-	-	-	-	-
491 492	G252302001544508	WTDOE WTDOE	Mileage Allow Auto	Inflation		-	75,382		-	-		-	-	-	82,077	83,883
492	G252302001544538 G252302001544539	WTDOE	Prof Memberships Prof Subscriptions	Inf/Emp Inf/Emp		65,789 4,266	7,500		-	75,382 7,500		77,116 7,673	78,735 7,834	80,310 7,990	8,166	8,346
493	G252302001544539 G252302001544540	WTDOE	Credit Card Expense	Inflation	s	4,200		s	- \$	7,300	s	- \$		\$ - \$	- \$	0,340
494	G252302001544547	WTDOE	Refuse Disposal Exp	Inflation	~			2	- 3		2	,			- 3	
496	G252302001544990	WTDOE	Other Operating Exp	Inflation	\$	4,700 \$	35,000	s	- \$	35,000	s	35,805 \$	36,557	\$ 37,288 \$	38,108 \$	38,947
497					s 1	,198,495 \$			- \$	1,481,843	ŝ	1,516,319 \$	1,548,616			1,651,333
497			Total Operating Expenses		\$ 1	,198,495 \$	1,481,843	3	- 3	1,481,843	3	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 - s	- \$	-
499	G252302001566125	WTDCE	Vehicle Expense	Bud Cap		64,962	698,745		(698,745)	-		-	-	-	-	-
500			Total Capital Equipment [1]		s	64,962 \$	2,918,745	\$	(2,918,745) \$	-	s	- \$		s - 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
501			Total W W I - Administration		3 2	.,510,700 3	0,500,701	3	(2,077,450) \$	5,025,270	3	5,721,767 \$	5,620,450	5,720,077 5	4,025,507 5	4,155,655
			WWT - Operations													
	~~~~~		Personnel Services					~								
502 503	G252302002500000	WTDPS WTDPS	Regular Salaries	Labor	\$ 3	,168,220 \$		s	528,140 \$	4,686,722	\$	4,827,324 \$	4,972,143			5,433,195
	G252302002500050		Annual Comp Increas	Labor		-	572,596		72,720	645,316		664,675	684,615	705,154	726,308	748,098
504 505	G252302002500080	WTDPS WTDPS	POS Turnover-Pay	Labor		46 774	(189,254)		(24,035)	(213,289)		(219,688)	(226,279)	(233,067)	(240,059)	(247,261)
505	G252302002500090 G252302002500100	WTDPS	Reg Sal-Non Mert Em Shift Differential	Labor Labor		46,774 46,533	115,628 46,987		14,685 5,967	130,313 52,954		134,222 54,543	138,249 56,179	142,396 57,865	146,668 59,601	151,068 61,389
507	G252302002500100	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	217,570		27,052	245,200			200,141	207,740	275,764	- 204,205
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	G252302002501060	WTDPS	Health-Cigna High	Benefits		-	-		-	-		-	-	-	-	-
515	G252302002501061	WTDPS	Health OAP 90%	Benefits		332,346	-		-	-		-	-	-	-	-
516	G252302002501062	WTDPS	Health-HSA Plan	Benefits		8,095	-		-	-		-	-	-	-	-
517 518	G252302002501063 G252302002501070	WTDPS WTDPS	Health-MyChoice	Benefits		81,767	-		-	-		-	-	-	-	-
518	G252302002501070 G252302002501080	WIDPS	Health-Cigna Low Health-BC/BS	Benefits Benefits		71,830	-		-	-		-	-	-	-	-
520	G252302002501080	WTDPS	Health-Kaiser	Benefits		74,487	-			-			-	-	-	-
520	G252302002501090	WTDPS	Insurance-Group Life	Benefits		5,166	-		-	-		-	-	-	-	-
522	G252302002501100	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
525						,	. 0,007,012	÷	0,0,017 0	1,120,027	÷	.,,00,000 0	0,177,170	- 0,115,172 9	0,050,527 0	0,727,105
		W 1000 < -	Operating Expenses						-			-			-	
524	G252302002510000	WTDOE	Office Equip&Furnitr	Inflation	\$	2,536 \$		\$	- \$	-	\$	- \$	-	s - s	- \$	-
525	G252302002510020	WTDOE	Office Supplies	Inflation		20.156	-		-	-		-	-	-	-	-
526 527	G252302002510200 G252302002510202	WTDOE WTDOE	Bldg Maint & Repair	Repair Inflation		38,156	-		-	-		-	-	-	-	-
527	G252302002510202 G252302002510204	WIDOE	Electrical Supploes HVAC Supplies	Inflation		2,181	-			-			-	-	-	-
528 529	G252302002510204 G252302002510210	WTDOE	Grnds Maint Equ⋑	Inflation		2,173	-		-	-		-	-	-	-	-
530	G252302002510210 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	G252302002510630	WTDOE	Water Treat Eqp⋑	Inflation		33,186	11,565		-	11,565		11,831	12,079	12,321	12,592	12,869
534	G252302002510650	WTDOE	Hshl Aplnc/Supl/Rep	Inflation		-	-		-	-		-	-	-	-	-
535	G252302002510660	WTDOE	Med&Lab Eqp and Sup	Inflation		3,137	-		-	-		-	-	-	-	-
536	G252302002512990	WTDOE	Other Operating Sup	Inflation		171	-		-	-		-	-	-	-	-
537	G252302002513020	WTDOE	Automotive Equp⋑	Inflation		4,961	-		-	-		-	-	-	-	-
538 539	G252302002513004	WTDOE	Diesel Fuel	Fuel		105,000	60,000		-	60,000		62,400	64,896	67,492	70,192	72,999
539 540	G252302002513030 G252302002513040	WTDOE WTDOE	Heating Fuel Fuel Oil County	Fuel Inflation		-	-		-	-		-	-	-	-	-
540	G252302002513040 G252302002514010	WTDOE	Fire Protec Eqp⋑	Inflation			-			-		-	-	-	-	-
241	0202002014010	" IDOL		innauoli		-	-		-	-		-	-	-	-	-
			_													

P	rojection	of	Operating	Expenses

Line No.	G/L Code		Description	Escalation Reference	Actual 2023	Adopted 2024	Adjustments	Adjusted 2024	Adjusted	2026 Pro	ojected Fiscal Year 1 2027	Ending June 30, 2028	2029
-			1				Adjustitients	2024	2025	2020	2027	2028	2029
542	G252302002514020	WTDOE	Uniform/Wear Appare	Inf/Emp	24		-	-	-	-	-	-	-
543 544	G252302002514030 G252302002520010	WTDOE WTDOE	Mis Pub Safe Eqp⋑ Bldg Maint&Rep Sycs	Inflation	18,59 15,29		-	-	-	-	-	-	-
545	G252302002520110 G252302002520110	WTDOE	Other Maint & Repair	Inflation	15,29			-					
546	G252302002521040	WTDOE	Employment Services	Inflation	188,21	8 2,132		2,132	2,181	2,227	2,271	2,321	2,372
547	G252302002521080	WTDOE	Other Pro Cntrct Sv	Inflation	631,49			346,004	353,962	361,395	368,623	376,733	385,021
548	G252302002521090	WTDOE	Comm & Media Servic	Inflation	94		-	-	-	-	-	-	-
549	G252302002521210	WTDOE	Licensing Fees	Inflation			-	-	-	-	-	-	-
550	G252302002521250	WTDOE	Misc Servcices	Inflation			-	-	-	-	-	-	-
551	G252302002530000	WTDOE	Electricity County	Elec-Noman	3,477,31		-	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	993,28		-	2,234,633	1,786,000	1,794,930	1,803,905	1,812,924	1,821,989
553 554	G252302002530040	WTDOE	Water County	Water	152,21	6 591,784	-	591,784	630,099	674,206	714,658	750,391	780,406
555	G252302002543000 G252302002541730	WTDOE WTDOE	Cash Awards Emergency Assistanc	Inflation Inflation			-	-	-	-	-	-	-
555 556	G252302002544512	WTDOE	Internal FFX Suppor	Inflation	10,78		-	-	-	-	-	-	-
557	G252302002544547	WTDOE	Refuse Disposal Exp	Inflation	178,21		(275,000)						
558	G252302002544990	WTDOE	Other Operating Exp	Inflation	24,82		(275,000)	200,000	204.600	208.897	213,075	217.762	222.553
							e (275.000)	0 10 700 041	\$ 11.794.754 \$	12 172 664 8	12,558,171 \$	12,952,643 \$	13,354,257
559			Total Operating Expenses		\$ 8,427,67	0 \$ 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		s -	\$ -		s -	s - s	- \$	- \$	- \$	-
561	G252302002566150	WTDCE	Vehicles Expense	Bud Cap		- 60,000	(60,000)	-	-	-	-	-	-
562			Total Capital Equipment [1]		\$	- \$ 60,000	\$ (60,000)	\$ -	s - s	- \$	- \$	- \$	-
563			Total WWT - Operations		\$ 13,802,84	9 \$ 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										
564	G252302003500000	WTDPS	Personnel Services	Labor	\$ 3,472,53	8 \$ 3,948,662	\$ 501,480	\$ 4,450,142	\$ 4,583,646 \$	4,721,156 \$	4,862,790 \$	5,008,674 \$	5,158,934
565	G252302003500000 G252302003500040	WTDPS	Regular Salaries New Position-Regular Salaries	Labor	\$ 5,472,55	o o o o,940,002	\$ 501,480	\$ 4,450,142	\$ 4,385,040 \$	4,/21,150 3	4,802,790 \$	5,008,074 5	5,156,954
566	G252302003500040	WTDPS	Annual Comp Increas	Labor		- 483,904	61,456	545,360	561,721	578,572	595,929	613,807	632,221
567	G252302003500053	WTDPS	Annual Comp Inc-P4P	Labor			-	515,500	-	-	-	-	
568	G252302003500080	WTDPS	POS Turnover-Pay	Labor		- (189,273)	(24,038)	(213,311)	(219,710)	(226,301)	(233,090)	(240,083)	(247,286)
569	G252302003500090	WTDPS	Reg Sal-Non Mert Em	Labor	16,63	5 890	113	1,003	1,033	1,064	1,096	1,129	1,163
570	G252302003500100	WTDPS	Shift Differential	Labor	1,14		-	-	-	-	-	-	-
571	G252302003500110	WTDPS	Extra pay	Labor	150,36		4,100	36,381	37,472	38,596	39,754	40,947	42,175
572	G252302003500130	WTDPS	Accrued Leave	Labor	(15,93		-	-	-	-	-	-	-
573	G252302003500150	WTDPS	Leave Pay-out	Labor	12,43	6 -	-	-	-	-	-	-	-
574 575	G252302003501000 G252302003501010	WTDPS WTDPS	Fringe Benefits FICA	Benefits Benefits	211,45	- 2,185,055	277,502	2,462,557	2,536,434	2,612,527	2,690,903	2,771,630	2,854,778
576	G252302003501010	WTDPS	Medicare	Benefits	49,40			-			-	-	
577	G252302003501020	WTDPS	Retire Contrb-EE Sy	Benefits	982,06			-	-	-	-	-	-
578	G252302003501060	WTDPS	Health-Cigna High	Benefits				-			-	-	
579	G252302003501061	WTDPS	Health OAP 90%	Benefits	258,06	7 -	-	-	-	-	-	-	-
580	G252302003501062	WTDPS	Health-HSA Plan	Benefits	7,20		-	-	-	-	-	-	-
581	G252302003501063	WTDPS	Health-MyChoice	Benefits	66,84		-	-	-	-	-	-	-
582	G252302003501070	WTDPS	Health-Cigna Low	Benefits	64,56	- 2	-	-	-	-	-	-	-
583	G252302003501080	WTDPS	Health-BC/BS	Benefits			-	-	-	-	-	-	-
584	G252302003501090	WTDPS	Health-Kaiser	Benefits	284,34		-	-	-	-	-	-	-
585 586	G252302003501100 G252302003501110	WTDPS WTDPS	Insurance-Group Life Delta Dental	Benefits Benefits	5,72 26,46		-	-	-	-	-	-	-
586	G252302003501110 G252302003502150	WTDPS	Workers Comp Idmty-P	Benefits	20,40	o -		-					
588	0252502005502150	WIDOL	Total Personnel Services		\$ 5,593,33	8 \$ 6,461,519	\$ 820,613	\$ 7,282,132	\$ 7,500,596 \$	7,725,614 \$	7,957,382 \$	8,196,104 \$	8,441,987
500					• 5,575,55	0 0 0,101,019	0 020,015	J 7,202,132	\$ 1,500,550 \$	7,720,011 Ø	1,551,562	0,170,101 0	0,111,707
589	G252302003150200	WTDOE	Operating Expenses Inv-DPWES Wastewate	Inflation	s -	\$ 50,441	e	\$ 50,441	\$ 51,602 \$	52,685 \$	53,739 \$	54,921 \$	56 120
589	G252302003150200 G252302003510000	WIDOE	Office Equip&Furnit	Inflation	33			ی 30,441 -	J J1,002 \$	52,085 \$	55,159 \$	54,921 \$	56,129
590	G252302003510000 G252302003510010	WTDOE	Copier	Inflation	33		-	-	-	-	-	-	-
592	G252302003510010	WTDOE	Office Supplies	Inflation	1,76	9 -		-	-				
593	G252302003510020	WTDOE	Computer Equipment	Inflation	5		-	-	-	-	-	-	-
594	G252302003510040	WTDOE	Computer Acces&Supl	Inflation	11,48	9 -	-	-		-	-	-	-
595	G252302003510050	WTDOE	IT Replacement Part	Inflation	52	9 3,000	-	3,000	3,069	3,133	3,196	3,266	3,338
596	G252302003510060	WTDOE	Printing Acces&Supl	Inflation	70		-	-	-	-	-	-	-
597	G252302003510070	WTDOE	Clean Supplies Cnty	Inflation	1,22		-	-	-	-	-	-	-
598	G252302003510080	WTDOE	Postage	Inflation	77		-	-	-	-	-	-	-
599	G252302003510200	WTDOE	Bldg Maint & Repair	Repair	98,53		-	-	-	-	-	-	-
600 601	G252302003510201 G252302003510202	WTDOE WTDOE	Carpentry/LumberSupl	Inflation Inflation	3,98		-	-	-	-	-	-	-
601 602	G252302003510202 G252302003510203	WIDDE	Electrical Supplies Hardware	Inflation	92,46 5.71		-	-	-	-	-		-
602	G252302003510203 G252302003510204	WTDOE	Hardware HVAC Supplies	Inflation	5,71 46,34		-	9,700	9,923	10,131	10,334	10,561	10,794
603	G252302003510204 G252302003510205	WTDOE	Lightbulbs	Inflation	40,54		-	5,987	6,124	6,253	6,378	6,518	6,662
605	G252302003510205	WTDOE	Paint/Paint Supplies	Inflation	12,65					-	-	-	
606	G252302003510207	WTDOE	Plumbing Supplies	Inflation	1,28		-	-	-	-	-	-	-
607	G252302003510210	WTDOE	Grnds Maint Equ⋑	Inflation	28,67		-	5,805	5,939	6,063	6,184	6,321	6,460
608	G252302003510220	WTDOE	Lighting Equipment	Inflation	9,01	0 339	-	339	347	354	361	369	377
609	G252302003510400	WTDOE	Educational Supplie	Inflation	19		-	-	-	-	-	-	-
610	G252302003510600	WTDOE	Chemicals	Chem-Noman	65		-	-	-	-			
611	G252302003510610	WTDOE	Tools County	Inflation	70,19	7 60,000	-	60,000	61,380	62,669	63,922	65,329	66,766
612 613	G252302003510620 G252302003510630	WTDOE WTDOE	Eng Drft&Sur Eqp&Su Water Treat Eqp⋑	Inflation Inflation	1,498,15	2 1,922,079	-	1,922,079	1,400,000	1,429,400	1,457,988	- 1,490,064	1,522,845
613	G252302003510630 G252302003510640	WTDOE	Food Srv Equip/Supl	Inflation	1,498,13		-	1,922,079	1,400,000	1,429,400	1,437,700	1,490,004	1,322,043
615	G252302003510650	WTDOE	Hshl Aplnc/Supl/Rep	Inflation	3,17			-	-	-			-
010					5,17	-							

# Page 9 of 14

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

					<u>1</u>	Projection of Oper-	ating Expenses						
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		-				-		-
619	G252302003512990	WTDOE	Other Operating Sup	Inflation	86,336	15,000	-	15,000	15,345	15,667	15,981	16,332	16,691
620 621	G252302003513016 G252302003512992	WIDOE	Automotive Parts Goods Receipt W/O P	Inflation Inflation	40	-	-	-	-	-	-	-	-
622	G252302003513010	WTDOE	Automotive Oil	Inflation	-								-
623	G252302003513018	WTDOE	Tires	Inflation	1,441	-	-		-	-		-	-
524	G252302003513020	WTDOE	Automotive Equp⋑	Inflation	2,197	-	-	-	-	-	-	-	-
525	G252302003513030	WTDOE	Heating Fuel	Inflation	-	12,000	-	12,000	12,276	12,534	12,784	13,066	13,353
526	G252302003514010	WTDOE	Fire Protec Eqp⋑	Inflation	97	-	-	-	-	-	-	-	-
527	G252302003514020	WTDOE	Uniform/Wear Appare	Inf/Emp	7,202	-	-	-	-	-	-	-	-
528 529	G252302003514030 G252302003520100	WTDOE WTDOE	Mis Pub Safe Eqp⋑ Scienti/Tech Eqp M&R	Inflation Repair	12,196	-	-	-	-	-	-	-	-
529 530	G252302003520100 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
531	G252302003520010 G252302003520011	WTDOE	Electrical M&R	Repair	48,058	5,750		5,750	5,980	6,219	6,468	6,727	6,996
532	G252302003520012	WTDOE	Elevator M&R	Repair	7,915	3,971	-	3,971	4,129	4,295	4,466	4,645	4,831
33	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 38	G252302003520014	WTDOE	Mechanical Inspect	Repair	8,490	-	-	-	-	-	-	-	-
38 39	G252302003520017 G252302003520020	WTDOE WTDOE	Plumbing M&R Construct Maint/Repr	Repair Repair	8,313	-	-	-	-	-	-	-	-
39 40	G252302003520020 G252302003520050	WTDOE	Automotive Equip M&R	Repair	593	-		-	-	-	-	-	-
41	G252302003520030	WTDOE	Other Maint & Repai	Repair	365,217	333,604		333,604	346,948	360,826	375,259	390,269	405,880
42	G252302003520120	WTDOE	Gain/loss - Inv adj	Inflation	-	-	-	-	-	-			-
43	G252302003521060	WTDOE	Computer Services	Inflation	-	-	-	-	-	-	-	-	-
44	G252302003521070	WTDOE	Print/Typeset Servce	Inflation	3,243	-	-	-	-	-		-	-
45	G252302003521090	WTDOE	Comm & Media Service	Inflation	6,419	-	-	-	-	-	-	-	-
46	G252302003521100 G252302003521130	WTDOE WTDOE	Transportation Svcs	Inflation	570	-	-	-	-	-	-	-	-
47 48	G252302003521130 G252302003521210	WTDOE	Grnds/Rec/Parks Svc Licensing Fees	Inflation Inflation	304	-	-	-	-	-	-	-	-
49	G252302003521210 G252302003521240	WTDOE	Meals	Inflation	304								
50	G252302003521250	WTDOE	Misc Serveices	Inflation	-					-	-	-	-
51	G252302003523020	WTDOE	Rent-Operat Equipmn	Inflation	40,823	21,778	-	21,778	22,279	22,747	23,202	23,713	24,234
52	G252302003523030	WTDOE	Rent-Construct Equi	Inflation	10,727	-	-	-	-	-		-	-
53	G252302003541110	WTDOE	Auto Lia Prop Damag	Insurance	-	-	-	-	-	-	-	-	-
54	G252302003542000	WTDOE	Local Travel County	Inflation	-	-	-	-	-	-		-	-
55	G252302003542200	WTDOE	Certification	Inflation	-	-	-	-	-	-	-	-	-
56	G252302003542220	WTDOE WTDOE	Technical Train Cnt Cash Awards	Inflation Benefits	-	-	-	-	-	-	-	-	-
57 58	G252302003543000 G252302003543020	WTDOE	Departmental Awards	Benefits								-	-
59	G252302003544538	WTDOE	Professional Memberships	Inf/Emp	-	-	-			-	-	-	-
60	G252302003544540	WTDOE	Credit Card Expense	Inflation	-				-	-	-	-	-
661	G252302003544990	WTDOE	Other Operating Exp	Inflation	270	220,000	-	220,000	225,060	229,786	234,382	239,538	244,808
62			Total Operating Expenses		\$ 3,257,171 \$	4,629,877	s - s	4,629,877	\$ 3,908,426 \$	4,030,077	\$ 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) \$	-	s - s	-	s - s	- \$	-
64	G252302003566150	WTDOE	Vehicles Exp SC Only	Bud Cap	-	-	-	-	-	-	-	-	-
65	G252302003566275	WTDOE	DO NOT USE Infrastrc	Bud Cap	-	-	-	-	-	-	-	-	-
66			Total Capital Equipment [1]		\$ 96,803 \$	54,208	\$ (54,208) \$	-	\$ - \$	-	\$ - \$	- \$	-
67			Total WWT - Maintenance		\$ 8,947,312 \$	5 11,145,604	\$ 766,405 \$	11,912,009	\$ 11,409,022 \$	11,755,690	\$ 12,111,383 \$	12,482,042 \$	12,864,387
			WWT - IT Services Personnel Services										
68	G252302004500000	WTDPS	Regular Salaries	Labor	\$ 1,010,752 \$	887,910	\$ 112,765 \$	1,000,675	\$ 1,030,695 \$	1,061,616	\$ 1,093,464 \$	1,126,268 \$	1,160,056
69	G252302004500050	WTDPS	Annual Comp Increas	Labor		104,803	13,310	118,113	121,656	125,306	129,065	132,937	136,925
70	G252302004500090	WTDPS	Reg Sal-Non Mert Emp	Labor	61,356	-			· · ·	-	· · ·		-
71	G252302004500110	WTDPS	Extra pay	Labor	-	-	-	-	-	-	-	-	-
72	G252302004500121	WTDPS	WPFO-Labor Charges	Labor		-	-	-	-	-		-	-
73 74	G252302004500130	WTDPS	Accrued Leave	Labor	30,509	-	-	-	-	-	-	-	-
74 75	G252302004500140 G252302004500150	WTDPS WTDPS	Leave Pay-Out	Labor Labor	-	-		-	-	-	-	-	-
75 76	G252302004500150 G252302004501000	WTDPS	Employee Leave Pay-out Fringe Benefits	Benefits	-	353,413	44,883	398,296	410,245	422,553	435,229	448,286	461,735
77	G252302004501000	WTDPS	FICA	Benefits	63,707								
78	G252302004501011	WTDPS	Medicare	Benefits	14,899	-	-	-	-	-		-	-
79	G252302004501020	WTDPS	Retire Contrb-EE Sy	Benefits	291,905	-	-	-	-	-	-	-	-
30	G252302004501060	WTDPS	Health-Cigna High	Benefits	-	-	-	-	-	-	-	-	-
31	G252302004501061	WTDPS	Health OAP 90%	Benefits	79,664	-	-	-	-	-		-	-
32	G252302004501062	WTDPS	Health-HSA Plan Health-MyChoice	Benefits	3,050	-	-	-	-	-	-	-	-
33	G252302004501063 G252302004501070	WTDPS WTDPS		Benefits Benefits	25,575	-	-	-	-	-	-	-	-
4	G252302004501070 G252302004501080	WIDPS	Health Insurance-Cigna Low Health-BC/BS	Benefits	-	-	-	-	-	-	-	-	-
		WTDPS	Health-Kaiser	Benefits	5,452	-	-	-	-	-	-	-	-
85		WTDPS	Insurance-Group Life	Benefits	1,535	-	-	-	-	-		-	-
85 86	G252302004501000 G252302004501090 G252302004501100		Delta Dental	Benefits	4,469	-	-	-	-	-	-	-	
35 36 37	G252302004501090	WTDPS				3 1,346,126	\$ 170,958 \$	1,517,084	\$ 1,562,597 \$	1,609,474	\$ 1,657,759 \$	1,707,491 \$	1,758,716
35 36 37 38	G252302004501090 G252302004501100		Total Personnel Services		\$ 1,592,873 \$	1,510,120							
85 86 87 88 89	G252302004501090 G252302004501100 G252302004501110	WTDPS	Total Personnel Services Operating Expenses										
85 86 87 88 89	G252302004501090 G252302004501100 G252302004501110 G252302004501030	WTDPS	Total Personnel Services Operating Expenses Computer Equipment	Inflation	\$ 131,672 \$	\$ 201,944	s - s	201,944		210,927		219,879 \$	
35 36 37 38 39 90 91	G252302004501090 G252302004501100 G252302004501110 G252302004510030 G252302004510030	WTDPS WTDOE WTDOE	Total Personnel Services Operating Expenses Computer Equipment Computer Acces&Supl	Inflation			s - s -	201,944 110,532	\$ 206,589 \$ 113,074	210,927 115,449	\$ 215,146 \$ 117,758	219,879 \$ 120,349	
85 86 87 88 89 90 91 92	G252302004501090 G252302004501100 G252302004501110 G252302004510030 G252302004510040 G252302004510040	WTDPS WTDOE WTDOE WTDOE	Total Personnel Services Operating Expenses Computer Equipment Computer Acces&Supl Bldg Materials & Sup	Inflation Inflation	\$ 131,672 \$ 96,248	\$ 201,944	s - s -						224,716 122,996
84 85 86 87 88 89 90 91 92 93 94	G252302004501090 G252302004501100 G252302004501110 G252302004510030 G252302004510040 G252302004510040 G252302004510000	WTDPS WTDOE WTDOE WTDOE WTDOE	Total Personnel Services Operating Expenses Computer Equipment Computer Acces&Supl Bldg Materials & Sup Chemicals	Inflation Inflation Chemicals	\$ 131,672 \$ 96,248	\$ 201,944	\$ - \$ - -		113,074		117,758	120,349	
35 36 37 38 39 90 91 92	G252302004501090 G252302004501100 G252302004501110 G252302004510030 G252302004510040 G252302004510040	WTDPS WTDOE WTDOE WTDOE	Total Personnel Services Operating Expenses Computer Equipment Computer Acces&Supl Bldg Materials & Sup	Inflation Inflation	\$ 131,672 \$ 96,248	\$ 201,944	\$ - \$ - - -						

# Page 10 of 14

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

							ection of Oper	the second second										
Line				Escalation		Actual	Adopted			Adjusted		Adjusted				cal Year H	inding June 30,	
No.	G/L Code		Description	Reference		2023	2024	Adjustments		2024		2025		2026	2027		2028	2029
696	G252302004512990	WTDOE	Other Operating Supplies	Inflation		-	-		-	-		-		-		-	-	
697	G252302004520000	WTDOE	Ofc Eqp Maint&Repai	Repair	\$	- \$	-	s -	\$	-	\$	-	\$	-	\$	- \$	- \$	-
698	G252302004520020	WTDOE	Construct Maint/Repr	Repair		-	-		-	-		-		-		-	-	
699	G252302004520030	WTDOE	Parks Ctr Facil M&R	Inflation		-	-		-	-		-		-		-	-	
700	G252302004520100	WTDOE	Scienti/Tech Eqp M&	Inflation		-	-		-	-		-		-		-		
701	G252302004521030	WTDOE	Translation Service	Inflation		-	-		-	-		-		-		-		
702	G252302004521050	WTDOE	Edu/Training Servic	Inflation		12,417	-		-	-		-		-		-	-	
703	G252302004521060	WTDOE	Computer Services	Inflation		171,314	875,393		-	875,393		895,527		914,333		,619	953,137	974,106
704	G252302004521061	WTDOE	PC Replacement	Inflation	\$	245,743 \$	358,000	s -	\$	358,000	\$	366,234	\$	373,925	\$ 381	,403 \$	389,794 \$	398,370
705	G252302004521062	WTDOE	Tech Infra Chargeback	Inflation		-	-		-	-		-		-		-	-	
706	G252302004521080	WTDOE	Other Pro Cntrct Sv	Inflation		-	75,000		-	75,000		76,725		78,336	79	,903	81,661	83,457
707	G252302004521110	WTDOE	Public Works Service	Inflation		-	-		-	-		-		-		-	-	
708	G252302004521250	WTDOE	Misc Servcices	Inflation		-	-		-	-		-		-		-	-	
709	G252302004542210	WTDOE	Mgmt/Prof Training	Inflation		-	18,000		-	18,000		18,414		18,801		,177	19,599	20,030
710	G252302004542220	WTDOE	Technical Train Cnt	Inflation		-	28,600		-	28,600		29,258		29,872		,470	31,140	31,825
711	G252302004543000	WTDOE	Cash Awards	Inflation	\$	- \$	-	s -	\$	-	\$	-	\$	-	\$	- \$	- \$	-
712	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		3,656	2	,729	3,811	3,895
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	\$ 1,780	,204 \$	1,819,369 \$	1,859,395
			Capital Equipment [1]															
718	G252302004566125	WTDCE	Equipment Expense	Bud Cap	\$	29,312 \$	1,093,839	\$ (1,093,83	9)\$	-	\$	-	\$	-	\$	- \$	- \$	-
719			Total Capital Equipment [1]		\$	29,312 \$	-,,	\$ (1,093,83		-	\$		\$	-		- \$	- \$	
720			Total WWT - IT Services		\$	2,279,640 \$	4,110,934	\$ (922,88	1) \$	3,188,053	\$	3,271,998	\$	3,354,773	\$ 3,437	,963 \$	3,526,860 \$	3,618,111
			WWT - Engineering Personnel Services															
721	G252302005500000	WTDPS	Regular Salaries	Labor	s	761,208 \$	508,349	\$ 64,56	0 6	572,909	s	590,097	e	607,800	\$ 620	.033 \$	644,814 \$	664,159
722	G252302005500050	WTDPS	Annual Comp Increas	Labor	3	/01,208 \$	42,765	5,43		48,196	3	49,642	9	51,131		,665	54,245	55,873
723	G252302005500090	WTDPS	Reg Sal- Non Mert Em	Labor		35,842	42,705	5,45		40,150		47,042		51,151	52	.,005	54,245	55,67.
724	G252302005500090	WTDPS	Shift Differential	Labor		55,042			-									
725	G252302005500110	WTDPS	Extra pay	Labor		1.857			-									
726	G252302005500130	WTDPS	Accrued Leave	Labor		13,999												
727	G252302005501000	WTDPS	Employee Leave Pay-out	Benefits														
728	G252302005501000	WTDPS	Fringe Benefits	Benefits			237,660	30,18	3	267,843		275,878		284,154	293	.679	301,459	310,503
729	G252302005501010	WTDPS	FICA	Benefits		46,289	257,000	50,10	-	207,015		2/0,0/0		201,101	2/1		501,155	510,50.
730	G252302005501010	WTDPS	Medicare	Benefits		10,826	-		-			_						
731	G252302005501020	WTDPS	Retire Contrb-EE Sy	Benefits		219,837												
732	G252302005501020	WTDPS	Health Cigna High	Benefits		217,007												
733	G252302005501060	WTDPS	Health OAP 90%	Benefits		71,553	-			-		-		-		-	-	
734	G252302005501001 G252302005501062	WTDPS	Health-HSA Plan	Benefits			-			-		-		-		-	-	
735	G252302005501062	WTDPS	Health-MyChoice	Benefits			-			-		-		-		-	-	
736	G252302005501009	WTDPS	Health-Cigna Low	Benefits		13,200	-			-		-		-		-	-	
737	G252302005501080	WTDPS	Health-BC/BS	Benefits			-			-		-		-		-	-	
738	G252302005501090	WTDPS	Health-Kaiser	Benefits		24,661	-			-		-		-		-	-	
739	G252302005501100	WTDPS	Insurance-Group Life	Benefits		1,175	-			-		-		-		-	-	
740	G252302005501061	WTDPS	Delta Dental	Benefits		4,157	-			-		-		-		-	-	
741	G252302005501110	WTDPS	Tools County	Benefits		175	-			-		-		-		-	-	
742	G252302005501110	WTDPS	Comm & Media Service	Benefits		2,436	-		-	-		-		-		-	-	
743			Total Personnel Services		\$	1,207,213 \$	788,774	\$ 100,174	4 \$	888,948	\$	915,617	s	943,085	\$ 971	,378 \$	1,000,519 \$	1,030,535
			Operating Expenses															
744	G252302005544990	WTDOE	Other Operating Exp	Inflation	\$	- \$	-	s -	\$	-	\$	-	\$	-	\$	- \$	- \$	-
745			Total Operating Expenses				-		-	-		-		-		-		
746			Total WWT - Engineering		\$	1,207,213 \$	788,774	\$ 100,17	4 \$	888,948	\$	915,617	\$	943,085	\$ 971	,378 \$	1,000,519 \$	1,030,535
			Total Wastewater Treatment Depa															

#### Projection of Operating Expenses

Line No. 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763	G/L Code G252303001500000 G252303001500040 G252303001500050 G252303001500050 G252303001500090 G252303001500100	WPMPS WPMPS	Description WPM - WASTEWATER PLANNI <u>WP&amp;M - Fiscal</u>	Escalation Reference		Actual 2023	Adopted 2024	Adjustments	Adjusted 2024		Adjusted 2025	Proj 2026	ected Fiscal Year Er 2027	ading June 30, 2028	2029
748 749 750 751 752 753 754 755 756 757 758 759 760 761 762	G252303001500000 G252303001500040 G252303001500050 G252303001500050 G252303001500090 G252303001500100	WPMPS	WPM - WASTEWATER PLANNI <u>WP&amp;M - Fiscal</u>			2025	2024	Aujusunents	2024		2023	2020	2021	2020	2027
749 750 751 752 753 754 755 756 757 758 759 760 761 762	G252303001500040 G252303001500050 G252303001500080 G252303001500090 G252303001500100	WPMPS	WP&M - Fiscal	NG & MONIT											
749 750 751 752 753 754 755 756 757 758 759 760 761 762	G252303001500040 G252303001500050 G252303001500080 G252303001500090 G252303001500100	WPMPS			FORIN	G									
749 750 751 752 753 754 755 756 757 758 759 760 761 762	G252303001500040 G252303001500050 G252303001500080 G252303001500090 G252303001500100	WPMPS													
749 750 751 752 753 754 755 756 757 758 759 760 761 762	G252303001500040 G252303001500050 G252303001500080 G252303001500090 G252303001500100	WPMPS	Personnel Services			5 205 120 B	2 592 999				2 000 211 6	2 000 201	2 101 0/0 6	2 277 420 6	2 226 261
750 751 752 753 754 755 756 757 758 759 760 761 762	G252303001500050 G252303001500080 G252303001500090 G252303001500100		Regular Salaries New Position-Regular Salaries	Labor Labor	\$	5,305,128 \$	2,583,809	\$ 328,144	\$ 2,911,953	\$	2,999,311 \$	3,089,291 \$	3,181,969 \$	3,277,428 \$	3,375,751
752 753 754 755 756 757 758 759 760 761 762	G252303001500090 G252303001500100	WPMPS	Annual Comp Increas	Labor			216,653	27,515	244,168		251,493	259,038	266,809	274,813	283,058
753 754 755 756 757 758 759 760 761 762	G252303001500100	WPMPS	POS Turnover-Pay	Labor		-	(27,561)	(3,500)	(31,061)		(31,993)	(32,953)	(33,941)	(34,960)	(36,008)
754 755 756 757 758 759 760 761 762		WPMPS	Reg Sal-Non Mert Em	Labor		252,179	12,682	1,611	14,293		14,721	15,163	15,618	16,086	16,569
755 756 757 758 759 760 761 762	G252303001500110	WPMPS WPMPS	Shift Differential Extra pay	Labor Labor		3.954	4.907	623	5.530		5.696	5.867	6.043	6.224	6,411
756 757 758 759 760 761 762	G252303001500110 G252303001500130	WPMPS	Accrued Leave	Labor		61,450	132,804	16,866	149,670		154,160	158,785	163,549	168,455	173,509
758 759 760 761 762	G252303001500150	WPMPS	Leave Pay out	Labor		18,603	-	-	-		-	-	-	-	-
759 760 761 762	G252303001501000	WPMPS	Fringe Benefits	Benefits		48,696	900,939	114,419	1,015,358		1,045,819	1,077,194	1,109,509	1,142,795	1,177,078
760 761 762	G252303001501010 G252303001501011	WPMPS WPMPS	FICA Medicare	Benefits		326,337 76,930	-	-	-		-	-	-	-	-
761 762	G252303001501011 G252303001501020	WPMPS	Retire Contrb-EE Sy	Benefits Benefits		1,449,686	-								
	G252303001501020	WPMPS	OPEB Contributions	Benefits		272,767	215,183	27,328	242,511		249,787	257,280	264,999	272,949	281,137
763	G252303001501060	WPMPS	Health-Cigna High	Benefits		-	-	-	-		-	-	-	-	-
	G252303001501061	WPMPS	Health OAP 90%	Benefits		271,820	-	-	-		-	-	-	-	-
764	G252303001501062	WPMPS	Health-HSA Plan	Benefits		13,583	-	-	-		-	-	-	-	-
765 766	G252303001501063 G252303001501070	WPMPS WPMPS	Health-MyChoice Health-Cigna Low	Benefits Benefits		137,873 93,988	-	-	-		-	-	-	-	-
767	G252303001501070 G252303001501080	WPMPS	Health-BC/BS	Benefits			-	-	-		-	-	-	-	-
768	G252303001501080	WPMPS	Health-Kaiser	Benefits		109,452	-	-	-		-	-	-	-	
769	G252303001501100	WPMPS	Insurance-Group Life	Benefits		8,465	-	-	-		-	-	-	-	-
770	G252303001501110	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 -	\$ 5,000	\$	5,115 \$	5,222 \$	5,327 \$	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	WPMOE	Computer Equipment	Inflation		8,674	2,000	-	2,000		2,046	2,089	2,131	2,178	2,226
776	G252303001510000 G252303001510020	WPMOE WPMOE	Othr NonCap Eqpt Pur Computer Acces&Supl	Inflation Inflation	\$	- \$ 3.782	5.000	s -	\$ - 5,000	\$	- \$ 5,115	- \$	- \$	- \$ 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	s	568 \$		s -	\$ 2,000	s	2,054 \$	2,106 \$	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	G252303001510030	WPMOE	Educational Supplie	Inflation		132	1,000		1,000		1,023	1,044	1,065	1,089	1,113
782 783	G252303001510000 G252303001510020	WPMOE WPMOE	Library Equipment Chemicals	Inflation Inflation	\$	- \$	-	s -	s -	\$	- \$	- \$	- \$	- \$	-
785	G252303001510020 G252303001510030	WPMOE	Tools County	Inflation			-								
785	G252303001510000	WPMOE	Eng Drft&Sur Eqp⋑	Inflation	s	- \$	-	s -	s -	\$	- S	- \$	- S	- \$	-
786	G252303001510020	WPMOE	Hshl Aplnc/Supl/Rep	Inflation		107	-	-	-		-	-	-	-	-
787	G252303001510030	WPMOE	Med&Lab Eqp and Sup	Inflation		173	200		200		205	209	213	218	223
788 789	G252303001510000 G252303001510020	WPMOE WPMOE	Park/Rctn Area Equi	Inflation Inflation	\$	- \$	-	s -	s -	\$	- \$	- \$	- \$	- \$	-
790	G252303001510020 G252303001510030	WPMOE	Lab Equip and Supl 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	- \$		s -	\$ -	s	- \$	- \$	- \$	- \$	-
792	G252303001510020	WPMOE	Poli/Prison Eqp&Supl	Inflation		-	-	· -	· -					-	-
793	G252303001510030	WPMOE	Uniform/Wear Appare	Inf/Emp		-	-	-	-		-	-	-	-	-
794 795	G252303001510000	WPMOE	Ofc Eqp Maint&Repai	Repair	\$	- \$		s -	s -	\$	- \$	- \$	- \$	- \$	-
795	G252303001510020 G252303001510030	WPMOE WPMOE	Construct Maint/Repr Scienti/Tech Eqp M&R	Repair Inflation			10,000	-	-			-			-
790	G252303001510030	WPMOE	Other Maint & Repai	Repair	s	- \$	5,000	s -	\$ 5,000	\$	5,200 \$	5,408 \$	5,624 \$	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	G252303001510030	WPMOE	Audit/Acct Services	Inflation	-	44,296	50,000	-	50,000		51,150	52,224	53,269	54,441	55,638
800 801	G252303001510000 G252303001510020	WPMOE WPMOE	Educational/Training Services Computer Services	Inflation Inflation	\$	- \$	250,000	s -	\$ - 250,000	\$	- \$ 255,750	- \$ 261.121	- \$ 266,343	- \$ 272,203	-
801	G252303001510020 G252303001510030	WPMOE	Computer Services Computer Replacement	Inflation			250,000	-	250,000		200,/00	261,121	200,343	272,203	278,191
802	G252303001510030	WPMOE	Tech Infra Chrgbck	Inflation	s	2,435 \$	20,000	s -	\$ 20,000	\$	20,460 \$	20,890 \$	21,307 \$	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	G252303001510000	WPMOE	Telecommunication Chargeback	Inflation	\$	6,151 \$	50,000	s -	\$ 50,000	\$	51,150 \$	52,224 \$	53,269 \$	54,441 \$	55,638
807 808	G252303001510020	WPMOE	Special Events	Inflation		695	-	-	16 000		16 269	16 712	17.046	17 401	17 004
808	G252303001510020 G252303001510030	WPMOE WPMOE	Licensing Fees Meals	Inflation Inflation		24,906	16,000 15,000	-	16,000 15,000		16,368 15,345	16,712 15,667	17,046 15,981	17,421 16,332	17,804 16,691
810	G252303001510000	WPMOE	Misc Services	Inflation	s	2,310 \$		s -	\$ -	\$	- \$	- \$	- \$	- \$	
811	G252303001510020	WPMOE	Rent-Copier Equipment	Inflation		5,057	1,000	-	-		-	-	-	-	-
812	G252303001510030	WPMOE	Electricity County	Electricity		-	-					-	-	-	-
813 814	G252303001510000 G252303001510020	WPMOE	OPEB Con Link Admin	Inflation	\$	- \$	-	s -	\$ -	\$	- \$	- \$	- \$	- \$	- 1.224
814 815	G252303001510020 G252303001510030	WPMOE WPMOE	Gen Liab Admin Auto Liab Admin	Insurance Insurance		1,213	1,100	-	1,100 15,000		1,125 15,345	1,149 15,667	1,172 15,981	1,198 16,332	1,224
815	G252303001510030	WPMOE	Local Travel County	Insurance	s	2.041 \$		s -	\$ 1,000	s	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	WPMOE	Certification	Inflation		1,150	3,000	-	3,000		3,069	3,133	3,196	3,266	3,338
819	G252303001542210	WPMOE	Mgmt/Prof Training	Inflation		13,856	40,000	-	40,000		40,920	41,779	42,615	43,552	44,511
820 821	G252303001542210 G252303001542210	WPMOE WPMOE	Technical Train Cnt Reimb-Telephone Exp	Inflation Inflation		102	25,000	-	25,000		25,575	26,112	26,634	27,220	27,819
821	G252303001542210 G252303001542210	WPMOE	Other General Expenses	Inflation		-	-	-	-		-	-	-	-	
823	G252303001542210	WPMOE	Cash Awards	Inflation		-	-	-	-		-	-	-	-	-
824	G252303001542210	WPMOE	Departmental Awards	Inflation		1,914	5,862	-	5,862		5,997	6,123	6,245	6,383	6,523

Projection of Operating Expenses

						Pro	jection of Opera	ting Expenses						
Line				Escalation			Adopted		Adjusted	Adjusted		jected Fiscal Year E		
No.	G/L Code		Description	Reference		2023	2024	Adjustments	2024	2025	2026	2027	2028	2029
825	G252303001542210	WPMOE	Plaques and Awards	Inflation		-	1,000	-	1,000	1,023	1,044	1,065	1,089	1,113
826	G252303001542210	WPMOE	Copying	Inflation		-	-	-	-		-	-	-	-
827	G252303001542210	WPMOE	Phototypesetting	Inflation		-	-	-	-	-	-	-	-	-
828	G252303001542210	WPMOE	Printing and Bindin	Inflation		547	-	-	-	-	-	-		-
829 830	G252303001542210	WPMOE	Assigned Agency Veh	Inflation		3,369 183	2,954	-	2,954	3,022	3,085	3,147	3,216	3,287
830	G252303001542210 G252303001542210	WPMOE WPMOE	Motor Pool Fuel	Inflation Fuel		1,535								
832	G252303001542210 G252303001542210	WPMOE	Service-Other Agenc	Inflation		146,198	500,000		500,000	200,000	204,200	208,284	212,866	217,549
833	G252303001542210	WPMOE	Mileage Allow Auto	Inflation		-	-				-		-	
834	G252303001542210	WPMOE	Internal Fairfax Support	Inflation		-	-	-	-		-		-	-
835	G252303001542210	WPMOE	Operating Bad Debt Expense	Inflation		-	-	-	303,054	310,025	316,535	322,866	329,969	337,228
836	G252303001542210	WPMOE	Prof Memberships	Inf/Emp		89,501	60,192	-	60,192	61,577	62,870	64,127	65,538	66,980
837	G252303001542210	WPMOE	Prof Subcriptions	Inflation		136	-	-	-	-	-	-	-	-
838	G252303001542210	WPMOE	Credit Card Expense	Inflation				-	-		-			
839	G252303001542210	WPMOE	Other Operating Exp	Inflation		2,078	19,044	-	19,044	19,482	19,891	20,289	20,735	21,191
840	G252303001544990		Total Operating Expenses		\$	1,232,642 \$	2,079,528	s - s	2,371,583	\$ 1,827,378 \$	1,865,920 \$	1,903,420 \$	1,945,467 \$	1,988,445
			Provide Contra											
841	G252303001500121	WPMRC	Recovered Costs WPFO-Labor Charges	Labor	s	- \$		s - s		s - s	- \$	- \$	- S	
842	G252303001500122	WPMRC	WPFO-Agency OH Cost	Inflation	0	-	-	-		-	-	-	-	-
843	G252303001542590	WPMRC	Misc Exp Reimb	Constant	\$	(494,484) \$		s - s	-	s - s	- \$	- \$	- S	-
844			-		s			۰ د		s - s	s	ŝ	- \$	
844			Total Recovered Costs		3	(494,484) \$	-	s - s	-	s - s	- \$	- \$	- 5	-
			Capital Equipment [1]											
845	G252303001563040	WPMCE	Design-Consultant	Bud Cap	\$	- \$		s - s	-	s - s	- \$	- \$	- \$	-
846	G252303001564100	WPMCE	Construct-Equip Acq	Bud Cap		-	-	-	-	-	-	-	-	-
847	G252303001566125	WPMCE	Equipment Expense	Bud Cap		-	-	-	-	-	-	-	-	-
848	G252303001566150	WPMCE	Vehicles Expense	Bud Cap	_	-	-		-		-	-	-	-
849			Total Capital Equipment [1]		\$	- \$	- 3	s - s	-	s - 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											
0.51	(2522202002500000	WDM (DC	Personnel Services		s	1 002 202 6	000 057	105 705 6	1 1 1 5 (02	\$ 1.149.152 \$	1 102 (27 0	1 210 125 6	1 255 700 6	1 202 201
851 852	G252303002500000 G252303002500050	WPMPS WPMPS	Regular Salaries Annual Comp Increas	Labor Labor	3	1,093,392 \$	989,957 78,702	\$ 125,725 \$ 9,995	1,115,682 88,697	\$ 1,149,152 \$ 91,358	1,183,627 \$ 94,099	1,219,135 \$ 96,922	1,255,709 \$ 99,829	1,293,381 102,824
853	G252303002500080	WPMPS	POS Turnover-Pay	Labor		-	(47,297)	(6,007)	(53,304)	(54,903)	(56,550)	(58,246)	(59,994)	(61,794)
854	G252303002500090	WPMPS	Reg Sal-Non Mert Emp	Labor		-	852	108	960	989	1,019	1,049	1,081	1,113
855	G252303002500110	WPMPS	Extra pay	Labor				-	-	-	-	-	-	
856	G252303002500130	WPMPS	Accrued Leave	Labor		55,466	-	-	-		-	-	-	-
857	G252303002500150	WPMPS	Leave Pay out	Labor		12,890	-	-	-	-	-	-	-	-
858	G252303002501000	WPMPS	Fringe Benefits	Benefits			386,828	49,127	435,955	449,034	462,505	476,380	490,671	505,392
859	G252303002501010	WPMPS	FICA	Benefits		66,548	-	-	-		-	-	-	-
860	G252303002501011	WPMPS	Medicare	Benefits		15,564	-	-	-	-	-	-	-	-
861	G252303002501020	WPMPS	Retire Contrb-EE Sy	Benefits		297,041	-	-	-		-	-	-	-
862	G252303002501060	WPMPS	Health-Cigna High	Benefits		-	-	-	-	-	-	-	-	-
863 864	G252303002501061	WPMPS WPMPS	Hleath OAP 90%	Benefits		28,727	-	-	-	-	-	-	-	-
865	G252303002501062 G252303002501063	WPMPS	Health-HSA Plan Health-MyChoice	Benefits Benefits		1,400 12,599	-	-	-		-	-	-	-
866	G252303002501003	WPMPS	Health-Cigna Low	Benefits		39,215		-	-		-	-	-	-
867	G252303002501080	WPMPS	Health-BC/BS	Benefits		-				-	-	-	-	-
868	G252303002501090	WPMPS	Health-Kaiser	Benefits		25,162				-	-	-	-	-
869	G252303002501100	WPMPS	Insurance-Group Life	Benefits		1,764	-	-	-	-	-			-
870	G252303002501110	WPMPS	Delta Dental	Benefits		4,065	-	-	-		-	-	-	-
871	G252303002501110	WPMPS	Computer Sys Lic Non	Benefits		-	-	-	-	-	-	-	-	-
872	G252303002501110	WPMPS	Health Related Srvs	Benefits		115	-	-	-	-	-	-	-	-
873	G252303002501110	WPMPS	Services-Other Agency	Benefits		403	-	-	-	-	-	-	-	-
874			Total Personnel Services		\$	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
			Operating Expenses											
875	G252303002544990	WPMCE	Other Operating Supplies	Repair		-	-	-	-	-	-	-	-	-
876	G252303002520110	WPMCE	Other Professional Consultant & Co		\$	- \$	-	\$ 1,000,000 \$	1,000,000	\$ 1,100,000 \$	1,123,100 \$	1,145,562 \$	1,170,764 \$	1,196,521
877	G252303002544990	WPMCE	Miscellaneous Services	Inflation		-	1,009,000	(1,009,000)	-					-
878	G252303002520110	WPMCE	Certification	Inflation	\$	- \$	-		-	s - s	- \$	- \$	- \$	-
879	G252303002544990	WPMCE	Management / Professional Training	Inflation		-	-	-	-	-	-	-	-	-
880	G252303002520110	WPMCE	Technical Training County	Inflation	\$	- \$		s - s	-	s - s	- \$	- \$	- \$	-
881	G252303002544990	WPMCE	Cash Awards	Inflation	<i>c</i>	- ,	-		-		· .	· .	• .	-
882 883	G252303002520110 G252303002544990	WPMCE WPMCE	Professinal Memberships Other Operating Exp	Inflation Inflation	\$	- \$	-	s - s	-	s - s	- \$	- \$	- \$	-
	020200002044990	WPINCE	Other Operating Exp	innation		-	-	-	-	-	-	-	-	-
884			Total Operating Expenses		\$	- \$	1,009,000	\$ (9,000) \$	1,000,000	\$ 1,100,000 \$	1,123,100 \$	1,145,562 \$	1,170,764 \$	1,196,521
885			Total WP&M - Engineer Planning		\$	1,654,350 \$	2,418,042	\$ 169,948 \$	2,587,990	\$ 2,735,630 \$	2,807,799 \$	2,880,802 \$	2,958,061 \$	3,037,437
			WDONG X I											
			WP&M - Lab Personnel Services											
886	G252303003500000	WPMPS	Regular Salaries	Labor	s	1,456,556 \$	1,649,662	\$ 209,507 \$	1,859,169	\$ 1,914,944 \$	1,972,392 \$	2,031,564 \$	2,092,511 \$	2,155,287
887	G252303003500050	WPMPS	Annual Comp Increas	Labor	9	-	179,623	209,507 3	202,435	208,508	214,763	221,206	227,843	2,135,287
888	G252303003500080	WPMPS	POS Turnover-Pay	Labor		-	(70,947)	(9,010)	(79,957)	(82,356)	(84,827)	(87,371)	(89,993)	(92,692)
889	G252303003500080	WPMPS	Reg Sal Non Mert Em	Labor		109,350	1,643	209	1,852	1,907	1,964	2,023	2,084	2,147
890	G252303003500080	WPMPS	Extra pay	Labor		93,978	35,929	4,563	40,492	41,707	42,958	44,247	45,574	46,941
891	G252303003500080	WPMPS	Accrued Leave	Labor		83,385	-	-	-	-	-	-	-	-
892	G252303003500080	WPMPS	Leave Pay out	Labor		29,547	-	-	-	-	-	-	-	-
893	G252303003500080	WPMPS	Fringe Benefits	Benefits		-	652,221	82,832	735,053	757,105	779,818	803,212	827,309	852,128
894	G252303003500080	WPMPS	FICA	Benefits		99,017	-	-	-	-	-	-	-	-
895 896	G252303003500080 G252303003500080	WPMPS WPMPS	Medicare Retire Contrb-EE Sy	Benefits Benefits		23,223 422,696	-	-	-	-	-	-	-	-
070	020200000000000	wrwir S	Kente Conub-EE Sy	Denents		422,090	-	-	-	-	-	-	-	-

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

						rre	ojection of Opera	ating Expenses									
Line No.	G/L Code		Description	Escalation Reference	Actual 2023		Adopted 2024	Adjustments		Adjusted 2024	Adjusted 2025	_	2026		d Fiscal Year E 027	nding June 30, 2028	2029
897	G252303003500080	WPMPS	Health-Cigna High	Benefits													-
898	G252303003500080	WPMPS	Health OAP 90%	Benefits	212,60	7	-			-		-	-		-	-	-
899	G252303003500080	WPMPS	Health-HSA Plan	Benefits	70		-	-		-		-	-		-	-	-
900	G252303003500080	WPMPS	Health-MyChoice	Benefits	5,91	5	-	-		-		-	-		-	-	-
901	G252303003500080	WPMPS	Health Insurance-Cigna Low	Benefits	19,44	5	-	-		-		-	-		-	-	-
902	G252303003500080	WPMPS	Health-BC/BS	Benefits		-	-	-		-		-	-		-	-	-
903	G252303003500080	WPMPS	Health-Kaiser	Benefits	13,30		-	-		-		-	-		-	-	-
904	G252303003500080	WPMPS	Insurance-Group Life	Benefits	2,29	1	-	-		-		-	-		-	-	-
905	G252303003500080	WPMPS	Delta Dental	Benefits	7,79	9	-	-		-		-	-		-	-	-
906	G252303003500080	WPMPS	Workers Comp Idmty-P	Benefits		-	-	-		-		-	-		-	-	-
907			Total Personnel Services		\$ 2,579,81	3 \$	2,448,131	\$ 310,913	\$	2,759,044	\$ 2,841,8	815 \$	2,927,069	\$ 3	3,014,881 \$	3,105,328 \$	3,198,488
908	0252202002510000	WPMOE	Operating Expenses	Inflation	s -	s		s -	s		s	- s		s	- S		
908	G252303003510000 G252303003510020	WPMOE	Office Equip⋑ Office Supplies	Inflation	2,29		9,204		3	9,204		- 3 116	9,614	3	9,806	- \$ 10,022	10,242
909	G252303003510020 G252303003510020	WPMOE	Computer Equipment	Inflation	2,29	-	3,500			3,500	3.5		3,656		3,729	3,811	3,895
911	G252303003510020	WPMOE	Computer Acces&Supl	Inflation		-	-			-	-,-	-	-		-	-	
912	G252303003510020	WPMOE	IT Replacement Parts	Inflation		-	-	-		-		-	-		-	-	-
913	G252303003510000	WPMOE	Printing Access & Suppl	Inflation	S -	\$		s -	\$	-	\$	- \$	-	\$	- S	- \$	-
914	G252303003510020	WPMOE	Postage	Inflation	2,90		2,300	-		2,300	2,3	353	2,402		2,450	2,504	2,559
915	G252303003510020	WPMOE	Electrical Supples	Repair	3	4	-	-		-		-	-		-	-	-
916	G252303003510020	WPMOE	Bldg Maint & Repair	Repair		2		-				-					
917	G252303003510020	WPMOE	Educational Supplies	Chemicals	5,09	9	29,124	-		29,124	30,2	289	31,501		32,761	34,071	35,434
918	G252303003510020	WPMOE	Chemicals Table Country	Chemicals	s -	- S	-	s -	s	-	s	- s	-	s	- 5	- 5	-
919 920	G252303003510000 G252303003510020	WPMOE WPMOE	Tools County Water Treat Eqp⋑	Repair Inflation	S - 8		-	ə -	3	-	.a	- >	-	\$	- 5	- 5	-
920 921	G252303003510020 G252303003510020	WPMOE	Water Treat Eqp⋑ Hshl Aplnc/Supl/Repl	Inflation	8	<i>с</i>	-	-		-		2	-		-	-	-
921	G252303003510020 G252303003510020	WPMOE	Med&Lab Eqp and Supl	Inflation	11,99	1	-	-									
922	G252303003510020 G252303003510020	WPMOE	Park/Rctn Area Equip	Inflation	11,99		-	-		-			-		-	-	-
923	G252303003510020	WPMOE	Lab Equip and Supl	Inflation	293,52		92,537	-		92,537	94,6	665	96,653		98,586	100,755	102,972
925	G252303003510020	WPMOE	Other Operating Sup	Inflation	\$ 7		16,476	s -	\$	16,476		355 \$	17,209	\$	17,553 \$	17,939 \$	18,334
926	G252303003510020	WPMOE	Uniform/Wear Appare	Inf/Emp	28,76	7	54,961	-		54,961	56,2	225	57,406		58,554	59,842	61,159
927	G252303003510020	WPMOE	Mis Pub Safe Eqp⋑	Inflation	2,49	6	-	-		-		-	-		-	-	
928	G252303003510020	WPMOE	Ofc Eqp Maint&Repai	Repair		-	-	-		-		-	-		-	-	-
929	G252303003510020	WPMOE	Bldg Maint&Rep Svcs	Inflation	7,16		295,016	-		295,016	301,8	301	308,139		314,302	321,217	328,283
930	G252303003510000	WPMOE	Custodial Services	Repair	\$ 13,94		-	s -	\$	-	\$	- \$	-	\$	- S	- \$	-
931	G252303003510000	WPMOE	Plumbing M&R	Repair	s -	\$	-	s -	\$	-	\$	- \$	-	\$	- \$	- \$	-
932	G252303003510020	WPMOE	Automotive Equip/M&R	Repair	15			-				-					
933	G252303003510020	WPMOE	Scienti/Tech Eqp M&	Repair	25,27	8	6,516	-		6,516		76	7,047		7,329	7,622	7,927
934	G252303003510020	WPMOE	Other Maint & Repai	Repair		-	3,000	-		3,000	3,	20	3,245		3,375	3,510	3,650
935 936	G252303003510020	WPMOE WPMOE	Software Maint&Supp Employment Services	Inflation Inflation	\$ 53,09	- 3 \$	36,907	s -	s	36,907	\$ 37,7	- 55 \$	- 38,548	s	39,319 \$	40,184 \$	41,068
936 937	G252303003510000	WPMOE	Employment Services Edu/Training Servic	Inflation	\$ 53,09 \$ 35,50			s - s -	3 S	36,907		(>> > 	38,548	s	- \$	40,184 \$	41,068
937 938	G252303003510000 G252303003510020	WPMOE	Computer Services	Inflation	\$ 35,50	0 \$	5,300	5 -	3	-	2	- 3	-	\$	- 3	- 3	-
938	G252303003510020 G252303003510020	WPMOE	Print/Typeset Servce	Inflation		-	5,500	-		-		-	-		-	-	-
940	G252303003510020	WPMOE	Other Pro Cntrct Sy	Inflation	121,96	8	264,642			264,642	270,	128	276,414		281,942	288,145	294,484
941	G252303003510020	WPMOE	Health Related Srvs	Inflation	121,90		204,042			204,042	270,	-	270,414		201,742	200,145	274,404
942	G252303003510020	WPMOE	Comm & Media Servic	Inflation		-	14,500			14,500	14,5	34	15,145		15,448	15,788	16,135
943	G252303003510000	WPMOE	Safety&Emergency Syc	Inflation	s -	s		s -	s	-	s	- \$	-	s	- S	- \$	-
944	G252303003510020	WPMOE	Special Events	Inflation	1,06	1	-			-		- 1	-				-
945	G252303003510020	WPMOE	Licensing Fees	Inflation		-	530	-		530		542	554		565	577	590
946	G252303003510020	WPMOE	Meals	Inflation		-	-	-		-		-	-		-	-	-
947	G252303003510020	WPMOE	Misc Services	Inflation	30,34		22,837	-		22,837	23,3		23,853		24,330	24,865	25,412
948	G252303003510000	WPMOE	Local County Travel	Inflation	\$ 1,24			s -	\$	-	\$	- \$	-	\$	- S	- \$	-
949	G252303003510020	WPMOE	Miscellaneous Travel	Inflation	3,79	7	3,504	-		3,504	3,5		3,660		3,733	3,815	3,899
950	G252303003510020	WPMOE	Certification	Inflation		-	12,000	-		12,000	12,2		12,534		12,784	13,066	13,353
951	G252303003510020	WPMOE	Mgmt/Prof Training	Inflation	1,68	5	66,573	-		66,573	68,		69,534		70,925	72,485	74,080
952	G252303003510020	WPMOE	Technical Train Cnt	Inflation	e e	-	29,355	s -	· _	29,355	\$30,0		30,661	ç	31,274	31,962	32,665
953 954	G252303003510000 G252303003510020	WPMOE WPMOE	Cash Awards Departmental Awards	Inflation Inflation	s -	\$	-	s -	\$	-	\$	- \$	-	\$	- \$	- \$	-
954 955	G252303003510020 G252303003510020	WPMOE	Departmental Awards Microfilm Services	Inflation		2	7,500	-		7,500	7.	573	7,834		7,990	8,166	8,346
955	G252303003510020 G252303003510020	WPMOE	Phototypesetting	Inflation		-	7,500	-		7,500	7,0		7,034			3,100	0,040
957	G252303003510020	WPMOE	Services-Other Agency	Inflation			-	-		-			-		-	-	-
958	G252303003510020	WPMOE	Mileage Allow Auto	Inflation		-	-	-		-			-		-	-	-
959	G252303003510020	WPMOE	Printing and Binding	Inf/Emp	5,26	9	-	-		-			-		-	_	-
960	G252303003510020	WPMOE	Prof Memberships	Inf/Emp	1,52		2,800	-		2,800	2,8	864	2,925		2,983	3,049	3,116
961	G252303003510020	WPMOE	Credit Card Expense	Inflation	-,	-	-	-		-	_,.		-		-	-	
962	G252303003510020	WPMOE	Rec Activities	Inflation		4	-	-		-		-	-		-	-	-
963	G252303003510020	WPMOE	Refuse Disposal Expense	Inflation	1,36		3,000	-		3,000	3,0		3,133		3,196	3,266	3,338
964	G252303003510020	WPMOE	Other Operating Exp	Inflation	86	1	11,471	-		11,471	11,1	735	11,981		12,221	12,490	12,765
965			Total Operating Expenses		\$ 652,38	8 \$	993,552	s -	\$	988,252	\$ 1,011,0	538 \$	1,033,646	\$	1,055,155 \$	1,079,151 \$	1,103,706
			Paramet Casta														
966	G252303003500121	WPMRC	Recovered Costs	Labor	\$ (33,05	0) ¢	(45,010)	\$	\$	(45,010)	\$ (46.3	\$60) \$	(47,751)		(49,184) \$	(50,659) \$	(52,179)
			WPFO-Labor Charges			· ·				(45,010)	ه (46,:	500) \$	(47,751)	, >	(49,104) \$	,	(32,179)
967	G252303003501520	WPMRC	Reimb-CptlFringe Be	Benefits		-	-	-		-		-	-		-	-	-
968			Total Recovered Costs		\$ (33,05	0)\$	(45,010)	s -	\$	(45,010)	\$ (46,3	\$60) \$	(47,751)	) \$	(49,184) \$	(50,659) \$	(52,179)
			Capital Equipment [1]														
969	G252303003566125	WPMCE	Equiptment Exp SC Onl	Bud Cap	\$ 170,82	7\$	348,305	\$ (348,305	)\$	-	\$	- \$	-	\$	- \$	- \$	-
970	G252303003566150	WPMCE	Vehicle Expense	Bud Cap		-	-	-		-		-	-		-	-	-
971			Total Capital Equipment [1]		\$ 170,82	7 \$	348,305	\$ (348,305	) \$	-	s	- \$	-	\$	- \$	- \$	-
972			Total WP&M - Lab		\$ 3,369,97		3,744,977			3,702,285	\$ 3,807.0	193 \$	3.912.965	\$	4.020.853 \$	4.133.820 \$	4.250.015
					• • • • • • • • • •						• •,•••,•					, ,	, ,
973			Total WP&M Department		\$ 14,238,04	1 \$	12,383,963	\$ 658,516	3	13,329,234	\$ 13,177,4	198 \$	13,538,302	\$ 13	3,905,243 \$	14,290,520 \$	14,686,664

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

					<u></u>	offection of O	<i><i><i>n</i></i> au</i>	ng Expenses							
Line				Escalation	Actual	Adopted			Adjusted		Adjusted		ojected Fiscal Year H		
No.	G/L Code		Description	Reference	2023	2024		Adjustments	2024		2025	2026	2027	2028	2029
			TBC - Treatment by Contract												
974	550000	WPMOE	Pmt-Alex Sanitation	Input	\$ 11,827,697 \$	12,500,00	0 \$	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	2,600,00	)	(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	438,00	)	-	438,000		455,520	473,741	492,690	512,398	532,894
977	550040	WPMOE	Pmt-Harbor View Swg	Inflation	572,484	1	5	-	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	15,500,07	3	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	14,800,00	8	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	68,69	3	-	68,693		70,563	72,343	74,094	76,037	78,031
983	550210	WPMOE	Pmt-PWSA	AgentFee	360,267	384,64	8	-	384,648		395,120	405,083	414,891	425,769	436,933
984			Total TBC - Treatment by Contract		\$ 48,218,107 \$	46,291,43	9 \$	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 \$	8,511,87	38	(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 \$	8,511,87	3\$	(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 \$	145,136,16	7 \$	(5,227,528) \$	140,193,393	\$	142,695,172 \$	146,862,064 \$	151,112,176 \$	155,576,635 \$	160,175,531
988			Capital Outlay		\$ 2,138,083 \$	13,242,78	4 \$	(13,242,784) \$	-	\$	- \$	- \$	- \$	- \$	-
989			Total O&M Expenses Net of Capital Ou	ıtlay	\$ 120,973,397 \$	131,893,38	3 \$	8,015,256 \$	140,193,393	\$	142,695,172 \$	146,862,064 \$	151,112,176 \$	155,576,635 \$	160,175,531
990			Op. Exp. Adj.												
991			Additional Personnel						-		-	600,000	1,200,000	1,800,000	1,854,000
992			Total Adj. O&M Expenses Net of Capit	al Outlay	\$ 120,973,397 \$	131,893,38	3 \$	8,015,256 \$	140,193,393	s	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>

Line         Description         Personal (second particular)         Applicat (second particular)         Applicat (second particular)         Description         Description <thdescription< th="">         Description         Descript</thdescription<>									Proj	ected Fiscal Year E	nding June 30			
Matheware JAMAC Case Allowed Parameters         Margin Mark Parameters         Mark Parameters         Status Parameters         Sta		Description				А	djustments		Adjusted			2027	2028	2029
Image: Process for the system         OWA ARE         S         30.02.59         3         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         30.02.59         5         <		AlexRenew - Alexandria Renew Enterprise												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		AlexRenew - O&M Costs Allocated to Fairfax Co.[2]												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	-			\$			-	\$			- ,,			37,363,164
4         Prevenue Allocation to Fairlas Co         4500%         0.00%         45.00%         45.12%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         45.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.21%         51.25%         51.25%         51.25%         51.25%         51.25%         51.25%         51.25%         51.25%         51.25%         51.25%			Input	6			-	_						
Second propose Allocation 1 prints Co.         S         1.2414.650	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
6         Liss: Charge for Advanced to Faints City Float         1,244,620         1,244,620         1,243,647         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,243,447         1,244,245         1,243,247         1,243,247         1,243,247         1,243,247         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245         1,244,245	4	Percentage Allocation to Fairfax Co			45.00%		0.00%		45.00%	45.12%	45.21%	45.31%	45.41%	45.50%
1         Adjustment for Historic Distager National Variance (Composition for Historic Composition for Historic Co	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
8         Operating Experime Allowand in Furths Co.: FY Ad         5         1284/400         5         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         6         1531/400         7         1531/400         7         1531/400         7         1531/400         7         1531/400         7         1531/400         7         1531/400         7         1531/400         7         1531/400         7         1531/400         1531/400         7         153	6				-		-		-	-				-
Image: Second activity of the second secon	7			S	12.814.620	\$	-,,	S						
10         Paradiag Derecutage per Agreemen         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70%         0.70% <t< 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<>							-,	-						
11       Tartian Co. Sheer (2004) [1]       3.246,389       3.246,389       3.246,389       3.240,218       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,239       3.246,249       3.2			IR&R ARE	\$				\$						
12         Adjustment         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>							0.00%							
13       BRAR Expenditure Allocated to Furting Composite       5       3.248.300       5       5       3.248.207       5       3.348.212       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.221       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       5       3.348.232       3.348.232       3.							-		-	-		-		4,000,427
Acrual-Fiel Var field Adjustenist [4]       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .				\$	3,245,389	\$	-	\$	3,245,389 \$	3,510,213 \$	3,685,723 \$	3,814,723 \$	3,948,238 \$	4,086,427
Total ARE - OAM Cost Allocated to Fairfax Co.[5]         Statistical Cost of Margan         Affington WTCP - OAM Cost Allocated to Fairfax Co.[5]         Total ARE - OAM Cost Allocated to Fairfax Co.[5]         Composite       S       25980.662       S <th< td=""><td></td><td>Subtotal ARE - O&amp;M Costs Allocated to Fairfax Co.</td><td></td><td></td><td></td><td></td><td></td><td>\$</td><td>17,567,678 \$</td><td>18,155,327 \$</td><td>18,752,811 \$</td><td>19,303,875 \$</td><td>19,857,807 \$</td><td>20,427,781</td></th<>		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
Arkington Contry - WPC1           Arkington Contry - WPC1           Adington TWC2 - COM Cont Allocated to Fairfax Ca[5]           Example Total Operating Express         Composite         \$ 2,590,662         \$ 2,598,662         \$ 2,598,662         \$ 27,679,087         \$ 28,88,027         \$ 28,910,364           15         Annual Sewage Flow Arkington (WPC P Input         -         -         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         777,525         776,515         7         748,416         72,759,115         7         748,416 <td< td=""><td></td><td>Accruals/Fiscal Year End Adjustments [4]</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<>		Accruals/Fiscal Year End Adjustments [4]							-	-	-	-	-	-
$ \frac{\text{Advanced to Fairfac Co 151}{\text{Esculation Factor}} \\ \frac{14}{\text{Advanced to Fairfac Co 152}} \\ \frac{14}{\text{Advanced To Idal Operating Expenses}} & Composite $$ 25,980,662 $$ 25,980,662 $$ 25,978,217 $$ 27,136,360 $$ 27,679,087 $$ 28,288,027 $$ 28,910,364 \\ \frac{15}{12} Annual Sevage Flow A triangle Control Cont$		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
Exclusion Factor         Composite         \$ 25,980,662         \$ 5         \$ 25,980,662         \$ 25,980,662         \$ 25,980,662         \$ 21,059,007         \$ 22,828,027         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75         \$ 28,800,75		Arlington County - WPCF												
14       Artington Total Operating Expenses       Composite       \$ 25,980,662       \$ -       \$ 25,980,662       \$ 25,782,17       \$ 27,136,50       \$ 27,670,807       \$ 28,288,027       \$ 28,00,264         15       Annual Servage Flow - fairfax Co. to Arlingtor       Input       -       -       77,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225       777,225														
16       Annual Servage Theor at Arlington (WPCP)       Input       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <th< td=""><td>14</td><td></td><td>Composite</td><td>\$</td><td>25,980,662</td><td>\$</td><td>-</td><td>\$</td><td>25,980,662 \$</td><td>26,578,217 \$</td><td>27,136,360 \$</td><td>27,679,087 \$</td><td>28,288,027 \$</td><td>28,910,364</td></th<>	14		Composite	\$	25,980,662	\$	-	\$	25,980,662 \$	26,578,217 \$	27,136,360 \$	27,679,087 \$	28,288,027 \$	28,910,364
16       Annual Servaje Thow at Artington (WPCP)       Input       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <th< td=""><td>15</td><td>Annual Sewage Flow - Fairfax Co. to Arlingtor</td><td>Input</td><td></td><td></td><td></td><td>_</td><td></td><td>797 525</td><td>797 525</td><td>797 525</td><td>797 525</td><td>797 525</td><td>797 525</td></th<>	15	Annual Sewage Flow - Fairfax Co. to Arlingtor	Input				_		797 525	797 525	797 525	797 525	797 525	797 525
17       Allocation Factor (Line 15/Line 16       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8%       9.8% </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>					-		_							
19       Accruals/Fiscal Year End Adjustments [6:       5       2.534.430       \$       2.5254.430       \$       2.679.272       \$       2.647.169       \$       2.079.112       \$       2.759.515       \$       2.809.284         Blue Plains - DCWater         DCWater - O&M Costs Allocated to Fairfax Co.[7]         Interceptors       Inflation       4.423.432       -       \$       671.559       \$       700.436       \$       730.555       \$       761.969       \$       794.734       \$       8.89.908         22       Pumping Stations       Inflation       442.432       -       442.432       451.027       470.421       490.649       \$11.747       533.723         2.00 Statige Costs       DC Statige Costs       DC Statige Costs       DC Statige Costs       DC Statige Costs       C Statige Costs       112.40.505       11.282.417       2.336.737       12.807.238       3.142.02.529       3.19.997.61.24         2.886.431        2.888.431        2.490.374       2.304.377       2.200.374       2.304.377       2.200.534       2.350.614       2.351.614.03       3.142.015       3.51.646       3.57.092       0.21.934       0.230.937       2.21.82.88		Allocation Factor (Line 15/Line 16)	1		9.8%		9.8%							9.8%
Blue Plains - DCWater           DCWater - 0xM Costs Allocated to Fairfax Co.[7]         Inflation         S         671,559         S         701,365         S         761,699         S         794,734         S         828,900           21         Inflation         432,432         -         442,432         451,027         470,0421         490,649         511,747         533,752           23         Secreen Chambers         Inflation         115         -         1124         D2,055         S         761,699         S         794,734         S         828,900           24         Water-reatment Plant         Inflation         11340,505         -         11340,505         1128,288         2,209,374         2,2304,377         2,2403,465         2,306,814         2,614,071           27         Rental and User Fees         Inflation         496,607         -         2,888,431         3,012,648         3,142,177         3,273,123         587,692         612,693           28         WSKC Biosolids         Inflation         -         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,00				\$	2,534,430	\$	-	\$	2,534,430 \$	2,592,722 \$	2,647,169 \$	2,700,112 \$	2,759,515 \$	2,820,224
DCWater - 0&M Costs Allocated to Fairfax Co.[7]         Inflation         S         671,559         S         700,436         S         730,555         S         761,969         S         794,734         S         828,900           21         Pumping Stations         Inflation         432,432         -         4432,432         451,037         470,421         490,649         \$511,747         533,752           23         Screen Chambers         Inflation         11,340,505         -         11,340,505         11,828,147         12,364,577         12,867,317         2,403,457         2,403,452         2,506,814         2,204,377         2,403,457         2,404,452         2,604,817         2,403,455         12,906,317         3,561,948         2,204,817         3,202,614         3,142,177         3,277,291         3,418,215         3,561,948         2,614,607           21         Restal and User Fees         Inflation         839,216         -         489,607         -         406,607         3,142,177         3,277,291         3,418,215         3,561,948         2,629,637         5         16,000,000         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)         (1,000,000)	20	Total Arlington WPCP - O&M Costs Allocated to Fairfax (	Co.[5]	\$	2,534,430	\$	-	\$	2,534,430 \$	2,592,722 \$	2,647,169 \$	2,700,112 \$	2,759,515 \$	2,820,224
1       Inflation       \$       671,559       \$       704,36       \$       704,36       \$       704,374       \$       828,200         22       Pumping Stations       Inflation       412,432       -       432,432       -       432,432       40,0436       \$       704,374       \$       828,200         23       Screen Chambers       Inflation       11,34,050       -       113       120       125       130       136       142         24       Watewater Treatment Plant       Inflation       11,340,505       -       11,340,505       -       11,340,505       123,67,77       12,487,38       12,403,465       2,206,814       2,616,407         26       Indirect Costs       Inflation       2,888,431       3,012,64       3,142,17       3,348,215       3,616,407         27       Reral and User Fees       Inflation       49,6607       -       839,216       875,302       912,940       952,196       987,140       1,035,845         28       Excess Flow and Other Payments       Inflation       -       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000) <t< td=""><td></td><td>Blue Plains - DCWater</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<>		Blue Plains - DCWater												
1       Inflation       \$       671,559       \$       704,36       \$       704,36       \$       704,374       \$       828,200         22       Pumping Stations       Inflation       412,432       -       432,432       -       432,432       40,0436       \$       704,374       \$       828,200         23       Screen Chambers       Inflation       11,34,050       -       113       120       125       130       136       142         24       Watewater Treatment Plant       Inflation       11,340,505       -       11,340,505       -       11,340,505       123,67,77       12,487,38       12,403,465       2,206,814       2,616,407         26       Indirect Costs       Inflation       2,888,431       3,012,64       3,142,17       3,348,215       3,616,407         27       Reral and User Fees       Inflation       49,6607       -       839,216       875,302       912,940       952,196       987,140       1,035,845         28       Excess Flow and Other Payments       Inflation       -       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000) <t< 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<>														
22       Pumping Stations       Inflation       432,432       41,027       470,421       490,649       511,747       533,752         23       Screen Chambers       Inflation       115       -       115       120       125       130       136       14340,505         24       Watewater Treatment Plant       Inflation       11,340,505       -       2,118,288       2,209,374       2,304,377       2,403,465       2,506,814       2,616,607         25       D.C. Studge Costs       D.C Studge       2,118,288       -       2,118,288       2,209,374       2,304,377       2,403,465       2,506,814       2,616,607         26       Indirect Costs       Inflation       496,607       -       839,216       -       839,216       -       8,531       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	21		Inflation	¢	671 550	¢		¢	671 550 \$	700 426 \$	720.555 \$	761.060 \$	704 724 \$	828 008
23       Screen Chambers       Inflation       115       -       115       120       125       130       136       144         24       Wastwater Teartment Plant       Inflation       11,40,505       -       11,40,505       -       2,118,288       2,209,374       2,2304,377       2,403,465       2,506,814       2,616,007         25       D.C. Sludge Costs       DC Sludge       2,118,288       -       2,182,288       3,012,654       3,142,177       3,277,291       3,418,215       3,565,198         26       Inflation       2,888,431       -       2,888,431       -       2,888,431       3,012,614       3,142,15       3,561,198       3,561,198         27       Rental and User Fees       Inflation       496,607       517,961       540,233       563,463       587,692       612,963         28       Seccess Flow and Other Payments       Inflation       -       -       839,216       875,302       912,940       992,140       1,035,845         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)       (1,000,000)       (1,000,000)       (1,000,000)       (				3		3	-	3						
24       Wastewater Treatment Plant       Inflation       11,340,505       -       11,340,505       11,328,147       12,386,757       12,286,728       13,240,529       13,997,612         25       D.C. Shadge Costs       DC Shudge       2,118,288       -       2,118,288       2,004,347       2,403,465       2,506,814       2,616,407         26       Indirect Costs       Inflation       496,607       -       496,607       517,961       540,233       563,463       587,692       612,963         27       Rental and User Fees       Inflation       839,216       -       2,888,431       -       2,18,288       2,2040       993,140       1,038,463         28       WSC Biosolids       Inflation       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	23													
25       D.C. Shudge Costs       DC Shudge       2,118,288       -       2,118,288       2,209,374       2,204,377       2,403,465       2,506,814       2,614,607         26       Indirect Costs       Inflation       2,888,431       -       2,118,288       3,012,634       3,142,177       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       3,418,217       3,277,291       5       3,012,641       3,412,177       3,277,291       5       3,012,641       5       4,000,000       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,0							-							
27       Rental and User Fees       Inflation       496,607 $517,961$ $540,233$ $563,463$ $587,692$ $612,963$ 28       WSSC Biosolids       Inflation $839,216$ $ 839,216$ $875,302$ $912,940$ $952,196$ $993,140$ $1,035,843$ 29       Excess Flow and Other Payments       Inflation $ (1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,000)$ $(1,000,0$	25						-							2,614,607
28       WSSC Biosolids       Inflation       839,216       -       839,216       912,940       952,196       993,140       1,035,845         29       Excess Flow and Other Payments       Inflation       -       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000)       (1,000,000) </td <td></td> <td></td> <td>Inflation</td> <td></td> <td>2,888,431</td> <td></td> <td>-</td> <td></td> <td>2,888,431</td> <td>3,012,634</td> <td></td> <td>3,277,291</td> <td>3,418,215</td> <td>3,565,198</td>			Inflation		2,888,431		-		2,888,431	3,012,634		3,277,291	3,418,215	3,565,198
29       Excess Flow and Other Payments       Inflation         30       Additional Costs       Inflation       Inflati					496,607		-		496,607	517,961		563,463		612,963
30       Additional Costs Accruals/Fiscal Year End Adjustments [8] Total DCWater - 0&M Costs Allocated to Fairfax Co.[7] Percentage Change       Inflation Inflation       Inflation Inflation       Inflation Inflation       Inflation Inflation       Inflation Inflation       Inflation Inflation       Inflation Inflation       Inflation       Inflati					839,216		-		839,216	875,302	912,940	952,196	993,140	1,035,845
31       Accruals/Fiscal Year End Adjustments [8]:       Inflation       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -					-		-		(1.000.000)	-	(1.000.000)	-	-	-
32       Total DCWater - O&M Costs Allocated to Fairfax Co.[7] Percentage Change       5       18,787,153       5       (1,000,000)       5       17,787,153       5       19,437,585       5       20,316,401       5       21,233,007       5       22,189,027         33       UDSA - O&M Costs Allocated to Fairfax Co.[9]       UOSA Total Operating Expenses       Composite       5       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       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901       4,458,901					-		(1,000,000)		(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
Upper Occoquan Sewage Authority - UOSA           UOSA - OxéM Costs Allocated to Fairfax Co.[9]         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         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,458,901         4,2270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,000         12,270,		Total DCWater - O&M Costs Allocated to Fairfax Co.[7]		\$	18,787,153	\$	(1,000,000)	\$	17,787,153 \$	18,595,001 \$	19,437,585 \$	20,316,401 \$	21,233,007 \$	22,189,027
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       4,458,901       4,458,901       4,458,901       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000														
33       UOSA Total Operating Expenses       Composite       \$       35,996,380       \$       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		LIOSA ORM Costs Allocated to Fairfay Co [0]												
35       Annual Sewage Flow at UOSA (MG)       Input	33		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
35       Annual Sewage Flow at UOSA (MG)       Input       -       -       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       12,270,000       <	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
37       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         39       Reserve and Maintenance Fund Deposite       Composite       \$ 4,809,192       \$ - \$ \$ 4,809,192       \$ 4,919,803       \$ 5,023,119       \$ 5,123,581       \$ 5,236,300       \$ 5,351,499         40       Fairfax Co. Reserved Capac. from UOSA       Input       -       -       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.10       22.1					-		-							12,270,000
38       Accruals/Fiscal Year End Adjustments [10]       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -<	36	Allocation Factor			36.3%		0.0%		36.3%	36.3%	36.3%	36.3%	36.3%	36.3%
40         Fairfax Co. Reserved Capac. from UOSA         Input         -         -         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         22.10         2					13,048,328		391,450		13,439,778	13,748,893	14,037,620	14,318,372	14,633,376	14,955,311
41 Total Capacity of UOSA WWTP Input 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.0	39	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
41 Total Capacity of UOSA WWTP Input 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.00 54.0	40	Fairfax Co. Reserved Canac. from UOSA	Innut		_		_		22.10	22.10	22.10	22.10	22.10	22.10
					-		-							54.00
		Allocation Factor			40.93%		40.93%							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 Escalation Proposed Adjusted													
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	\$	\$ <u>-</u>		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%	0.00%	<u>-</u> 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] 2023					Р	roje	cted 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		Ψ	0,077,011	φ	29.92%	Ψ	3.36%	Ψ	3.95%	Ψ	3.97%	Ψ	3.98%	Ψ	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	\$		\$		\$	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	\$	0.41% 6,824,081 4,182,000	\$	0.41% 7,198,507 4,541,613	\$	0.41% 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.

			ojected Fiscal Ye			
Description	2024	2025	2026	2027	2028	2029
City of Friefan						
City of Fairfax:						
City of Fairfax Share of Noman Cole O&M Costs	610 405 170	610 755 120	620 271 0/0	621 002 242	601 (61 170	600 010 74
G252302002 NMColeJr PCP	\$18,495,170	\$19,755,139	\$20,371,860	\$21,003,343	\$21,651,170	\$22,313,74
G252302003 NMColeJr PCP	11,912,009	11,409,022	11,755,690	12,111,383	12,482,042	12,864,38
Other Direct Cost Allocation	11,942,266	12,239,567	12,617,934	13,005,642	13,405,647	13,816,03
Other Direct Cost Allocation - % of Total O&M	28.2%	28.2%	28.2%	28.2%	28.2%	28.2
Forecast Adjustment	(1,270,483)	(1,302,112)	(1,342,365)	(1,383,611)	(1,426,166)	(1,469,82
Total Noman Cole O&M Costs	\$41,078,961	\$42,101,617	\$43,403,120	\$44,736,756	\$46,112,693	\$47,524,33
Sewage Flows - City of Fairfax	933,086	933,086	933,086	933,086	933,086	933,08
Total Noman Cole Sewage Flow	14,423,178	14,479,909	14,538,873	14,597,983	14,657,604	14,717,48
Allocation Percentage - O&M Costs	6.47%	6.44%	6.42%	6.39%	6.37%	6.34
Allocated O&M Cost to City of Fairfax	\$2,657,542	\$2,713,030	\$2,785,556	\$2,859,521	\$2,935,480	\$3,013,03
Plus: Overhead @ 9.5% of Allocated O&M Costs	252,466	257.738	264.628	271.655	278.871	286.23
Total Allocated O&M Cost to City of Fairfax	\$2,910,009	\$2,970,768	\$3,050,184	\$3,131,176	\$3,214,351	\$3,299,27
						\$3,299,2
Adjustments for Accruals/True-Up Adjusted Total Sales of Service Revenue - City of Fairfax	\$2,910,009	\$2,970,768	\$3,050,184	\$3,131,176	\$3,214,351	\$3,299,27
		,,				
City of Fairfax Share of Noman Cole Capital Costs	61.42.555.000	0155 215 000	6120 242 222	6100.070.222	6114 022 222	64 <b>0</b> 4 6 0 4
Noman Cole CIP Costs	\$142,775,000	\$177,317,000	\$139,242,333	\$108,860,333	\$114,833,333	\$64,246,00
Forecast Adjustment	0	0	0	0	0	
Adjusted Noman Cole CIP Costs	\$142,775,000	\$177,317,000	\$139,242,333	\$108,860,333	\$114,833,333	\$64,246,00
Total Capacity - Noman Cole	67	67	67	67	67	
Capacity Reservation City of Fairfax	4.2	4.2	4.2	4.2	4.2	
Capital Cost Allocation Percentage	6.27%	6.27%	6.27%	6.27%	6.27%	6.27
City of Fairfax Share of Noman Cole Capital Costs	\$8,950,075	\$11,115,394	\$8,728,624	\$6,824,081	\$7,198,507	\$4,027,36
Adjustments for Accruals/True-Up	0	0	0	0	0	
Adjusted Total Capital Reimbursement - City of Fairfax	\$8,950,075	\$11,115,394	\$8,728,624	\$6,824,081	\$7,198,507	\$4,027,36
Town of Herndon:						
Trunk Sewer Operation and Maintenance Payment						
Actual O&M Costs	\$0	\$0	\$0	\$0	\$0	\$
Plus Overhead @ 4%	0	0	0	0	0	
Total Costs	\$0	\$0	\$0	\$0	\$0	5
	0	0	0	0	0	
T	\$0	60			\$0	
I own of Herndon Allocated Costs (@37.70%)	30	\$0	\$0	\$0	20	3
	30	20	\$0	\$0	50	S
District of Columbia Conveyance and Disposal Charge	\$17,787,153	\$0 \$18,595,001	\$0 \$19,437,585	\$0 \$20,316,401	\$21,233,007	
District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments		\$18,595,001 1,078,064	\$19,437,585 1,078,064	\$20,316,401 1,078,064	\$21,233,007 1,078,064	\$22,189,01 1,078,0
District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments Sewage Flows - Herndon	\$17,787,153	\$18,595,001	\$19,437,585	\$20,316,401	\$21,233,007	\$22,189,02 1,078,00
District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments Sewage Flows - Herndon Total Flows sent to Blue Plains	\$17,787,153 1,078,064	\$18,595,001 1,078,064	\$19,437,585 1,078,064	\$20,316,401 1,078,064	\$21,233,007 1,078,064	\$22,189,02 1,078,06 10,099,02 10.67
District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments Sewage Flows - Herndon Total Flows sent to Blue Plains Allocation Percentage	\$17,787,153 1,078,064 9,925,226 10.86%	\$18,595,001 1,078,064 9,959,694	\$19,437,585 1,078,064 9,994,318	\$20,316,401 1,078,064 10,029,065	\$21,233,007 1,078,064 10,063,967	\$22,189,02 1,078,00 10,099,02 10.67
District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments Sewage Flows - Herndon Total Flows sent to Blue Plains Allocation Percentage Blue Plains O&M Costs Allocable to Herndon	\$17,787,153 1,078,064 9,925,226 10,86% \$1,932,015	\$18,595,001 1,078,064 9,959,694 10.82%	\$19,437,585 1,078,064 9,994,318 10.79% \$2,096,687	\$20,316,401 1,078,064 10,029,065 10.75%	\$21,233,007 1,078,064 10,063,967 10.71% \$2,274,505	\$22,189,02 1,078,00 10,099,02 10.67
District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments Sewage Flows - Herndon Total Flows sent to Blue Plains Allocation Percentage Blue Plains O&M Costs Allocable to Herndon Adjustments for Accruals/True-Up	\$17,787,153 1,078,064 9,925,226 10.86%	\$18,595,001 1,078,064 9,959,694 10.82% \$2,012,773	\$19,437,585 1,078,064 9,994,318 10.79%	\$20,316,401 1,078,064 10,029,065 10.75% \$2,183,891	\$21,233,007 1,078,064 10,063,967 10.71%	\$22,189,02 1,078,00 10,099,02 10.6 \$2,368,60
Town of Herndon Allocated Costs (@37.70%) District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments Sewage Flows - Herndon Total Flows sent to Blue Plains Allocation Percentage Blue Plains O&M Costs Allocable to Herndon Adjusted Total Sales of Service Revenue - Herndon Blue Plains - Cavital Payment	\$17,787,153 1,078,064 9,925,226 10.86% \$1,932,015 0	\$18,595,001 1,078,064 9,959,694 10.82% \$2,012,773 0	\$19,437,585 1,078,064 9,994,318 10,79% \$2,096,687 0	\$20,316,401 1,078,064 10,029,065 10.75% \$2,183,891 0	\$21,233,007 1,078,064 10,063,967 10,71% \$2,274,505 0	\$22,189,02 1,078,00 10,099,02
District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments Sewage Flows - Herndon Total Flows sent to Blue Plains Allocation Percentage Blue Plains O&M Costs Allocable to Herndon Adjustments for Accruals/True-Up Adjusted Total Sales of Service Revenue - Herndon Blue Plains - Capital Payment	\$17,787,153 1,078,064 9,925,226 10,86% \$1,932,015 0 \$1,932,015	\$18,595,001 1,078,064 9,959,694 10.82% \$2,012,773 0 \$2,012,773	\$19,437,585 1,078,064 9,994,318 10,79% \$2,096,687 0 \$2,096,687	\$20,316,401 1,078,064 10,029,065 10.75% \$2,183,891 0 \$2,183,891	\$21,233,007 1,078,064 10,063,967 10.71% \$2,274,505 0 \$2,274,505	\$22,189,02 1,078,00 10,099,02 10.6 \$2,368,60 \$2,368,60
District of Columbia Conveyance and Disposal Charge Blue Plains - O&M Payments Sewage Flows - Herndon Total Flows sent to Blue Plains Allocation Percentage Blue Plains O&M Costs Allocable to Herndon Adjustments for Aceruals/True-Up	\$17,787,153 1,078,064 9,925,226 10.86% \$1,932,015 0	\$18,595,001 1,078,064 9,959,694 10.82% \$2,012,773 0	\$19,437,585 1,078,064 9,994,318 10,79% \$2,096,687 0	\$20,316,401 1,078,064 10,029,065 10.75% \$2,183,891 0	\$21,233,007 1,078,064 10,063,967 10,71% \$2,274,505 0	\$22,189,02 1,078,00 10,099,02 10.6 \$2,368,60

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

	Total Capacity Reservation for County Allocation Percentage - Capital Costs	31.00	31.00 9.68%	31.00 9.68%	31.00 9.68%	31.00 9.68%	31.00
	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
	<u>Determination of Rate</u> 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
	Sewage Flows (000's gallons) Rate Charged	1,078,064 \$3.47	1,078,064 \$4.42	1,078,064 \$4.58	1,078,064 \$5.90	1,078,064 \$6.32	1,078,064 \$5.73
	Calculation of Balance (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 Total Flows sent to Blue Plains Allocation Percentage	478,296 9,925,226 4.82%	478,296 9,959,694 4.80%	478,296 9,994,318 4.79%	478,296 10,029,065 4.77%	478,296 10,063,967 4.75%	478,296 10,099,023 4.74%
	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	0 \$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 Arlington County Share of Payments	<u>31.00</u> 5.81%	31.00 5.81%	31.00 5.81%	31.00 5.81%	31.00 5.81%	31.00 5.81%
	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 Annual O&M Costs - Fairfax Trunk Sewers	\$0	\$0	\$0	\$0	\$0	\$0
	Sewage Flows - Arlington County Annual Flow of Sewage - Pinmit Run System of Fairfax	0 1	0 1	0 1	0 1	0 1	
	Allocation Percentage - Pimmit Run O&M Costs	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Pinmit Run O&M Costs Allocable to Arlington Adjustments for Accruals/True-Up Adjusted Pinmit Run Trunk Sewer O&M payment	\$0 0 \$0	\$0 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 Total Capacity Reservation for County	1.80 31.00	1.80 31.00	1.80 31.00	1.80 31.00	1.80 31.00	1.80 31.00
	Allocation Percentage	5.81%	5.81%	5.81%	5.81%	5.81%	5.81%
	CIP costs Allocated to Arlington Accrual/Adjustments Total Capital Reimbursement - Arlington	\$1,253,032 0 \$1,083,774	\$1,935,290 0 \$1,649,090	\$2,004,561 0 \$1,704,426	\$2,722,297 0 \$2,509,200	\$2,818,800 0 \$2,724,968	\$2,299,413 0 \$2,285,187
5]	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 Total Capital Reimbursement - Fort Belvior	\$6,392,910 0 \$6,392,910	\$7,939,567 0 \$7,939,567	\$6,234,731 0 \$6,234,731	\$4,874,343 0 \$4,874,343	\$5,141,791 0 \$5,141,791	\$2,876,687 0 \$2,876,687
	Norman Cole O&M Payment	0	0	0	0	0	
	Sewage Flows Rate Charged	398,434 \$6.96	398,434 \$7.24	398,434 \$7.67	398,434 \$8.12	398,434 \$8.60	398,434 \$9.11
	Total Sales of Services Receivables - Fort Belvoir Accrual/Adjustments Adjusted Total Sales of Service Revenue for Fort Belvoir	\$2,771,507 0 \$2,771,507	\$2,886,167 0 \$2,886,167	\$3,056,520 0 \$3,056,520	\$3,236,701 0 \$3,236,701	\$3,426,709 0 \$3,426,709	\$3,629,822 0 \$3,629,822
6]	City of Falls Church:						
	AlexRenew O&M Payment AlexRenew WWTP O&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	400,916 6,116,451	400,916 6,145,949	400,916 6,169,654	400,916 6,193,443	400,916 6,217,338	400,916 6,241,339
	Allocation Percentage	\$0	\$0	\$0	\$0	\$0	\$0
	AlexRenew O&M Costs allocable to City of Falls Church Adjustments for Accruals/True-Up Adjusted Total Sales of Service Revenue for the City of Falls Church	\$1,151,511 (212,726) \$938,785	\$1,184,318 (228,980) \$955,338	\$1,218,594 (239,505) \$979,088	\$1,249,585 (246,936) \$1,002,649	\$1,280,502 (254,596) \$1,025,905	\$1,312,190 (262,494 \$1,049,696
	AlexRenew O&M Payment AlexRenew WWTP O&M Costs	\$36,420,000	\$38,991,000	\$40,884,000	\$45,050,000	\$38,730,000	\$38,343,000
	City of Falls Church Flows	1.0	1.0	1.0	1.0	1.0	1.0
	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 O&M Costs allocable to City of Falls Church Adjustments for Accruals/True-Up	\$1,124,074	\$1,203,426	\$1,261,852	\$1,390,432	\$1,195,370	\$1,183,426

# 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 \$42,722,120	\$42,101,617 1,684,065 \$43,785,681	\$43,403,120 1,736,125 \$45,139,245	\$44,736,756 <u>1,789,470</u> \$46,526,226	\$46,112,693 1,844,508 \$47,957,201	\$47,524,335 1,900,973 \$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
	B. Alex Renew O&M Payment Alex Renew O&M Costs Allocable to Fairfax Plus: Overhead @ 4.0% of Allocable O&M Costs Total Allocable Costs	\$ 0 \$17,567,678 702,707 \$18,270,385	\$ 0 \$18,155,327 726,213 \$18,881,540	\$ 0 \$18,752,811 750,112 \$19,502,923	\$ 0 \$19,303,875 772,155 \$20,076,030	\$ 0 \$19,857,807 794,312 \$20,652,119	\$ 0 \$20,427,781 817,111 \$21,244,893
	Accotin 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 Adjustments for Accruals/True-Up Adjusted Total O&M Payments	\$998,547 0 \$998,547	\$1,037,522 0 \$1,037,522	\$1,065,298 0 \$1,065,298	\$1,093,564 0 \$1,093,564	\$1,122,578 0 \$1,122,578	\$1,152,204 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 Allocation Percentage - Capital Costs	\$67 \$1 \$0	\$67 \$1 \$0	\$67 \$1 \$0	\$67 \$1 \$0	\$67 \$1 \$0	\$67 \$1 \$0
	Total Capital Payments Accrual/Adjustments	\$2,663,713	\$3,308,153 0	\$2,597,805 0	\$2,030,976 0	\$2,142,413 0	\$1,198,619 0
503	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	20,586	20,586	20,586	20,586	20,586	20,586
	Rate Charged Total Sales of Services Receivables - Fairfax Water	\$8.37 \$172,253	\$8.72 \$179,561	\$9.20 \$189,391	\$9.74 \$200,559	\$10.32 \$212,345	\$10.93 \$224,902
	Adjustments for Accruals/True-Up Adjustments for Accruals/True-Up Adjusted Total Sales of Service Revenue for Fairfax Water	<u>0</u> \$172,253	\$179,561 0 \$179,561	0 \$189,391	\$200,559 0 \$200,559	\$212,345 0 \$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 <u>1.00</u> 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%
	Total Capital Payments Accrual/Adjustments Adjusted Total Capital Payments	\$235,446.80 (235,447) \$172,253	\$358,260.09 (358,260) \$179,561	\$370,281.56 (370,282) \$189,391	\$545,116.42 (545,116) \$200,559	\$591,991.33 (591,991) \$212,345	\$496,450.26 (496,450) \$224,902
[9]	1-95 ERRF (Covanta):						
	Sewage Flows Rate Charged Total Sales of Services Receivables - Covanta	36,318 \$8.37 \$303,887	36,318 \$8.72 \$316,779	36,318 \$9.20 \$334,121	36,318 \$9.74 \$353,823	36,318 \$10.32 \$374,615	36,318 \$10.93 \$396,769
	Adjustments for Accruals/True-Up Adjusted Total Sales of Service Revenue for Covanta	0 \$303,887	0 \$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 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%
	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:						
	L. 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 2. UOSA Reserve Maintenance Billed to Fairfax Co. Fairfax County Payments	\$165,758 \$- \$1,968,205	\$169,570 \$- \$2,013,474	\$173,131 \$- \$2,055,757	\$176,594 \$- \$2,096,872	\$180,479 \$- \$2,143,003	\$184,450 \$- \$2,190,149
	UCSA Share of Payments UOSA R&M Payments Allocated to LCSA	4.52%	4.52% \$91,107	4.52% \$93,021	4.52% \$94,881	4.52% \$96,968	4.52% \$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

[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
	Operating Revenues: [1]												
1	Sewer Service Charges (Retail Customers)	\$	249,903,039	\$	266,006,538	\$	283,005,648	\$	301,219,826	\$	320,555,083	\$	341,194,506
2	Sales of Service (Bulk revenue)	Ψ	11,143,886	Ψ	11,517,779	Ψ	11,973,177	Ψ	12,448,591	Ψ	12,943,761	Ψ	13,462,329
3	Other Revenues [2]		775,000		775,000		775,000		775,000		775,000		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		-		-		-		-		-		
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
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 10	Availability Charge Revenues [5] Availability Charge Interest Income [5]	\$	18,286,001	\$	18,895,975	\$	19,770,973	\$	20,446,046	\$	21,331,985	\$	22,015,343
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]												
	TEST 1 - Net Revenue Less Excluded Revenues												
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	\$	248,83
20	Series 2016A Refunding Bonds [11]		12,729,304		12,741,460		12,751,085		12,718,658		12,687,763		12,768,17
21	Sewer Revenue Bonds, Series 2017 [11]		5,549,542		5,554,292		5,554,979		5,555,958		5,561,990		5,563,20
22	Series 2021A [11]		11,858,704		11,864,121		11,871,058		11,874,225		11,877,944		11,881,93
23	Series 2021B [11]		895,650		895,650		895,650		895,650		895,650		895,65
24	Series 2024 Bonds [11]		2,897,325		11,589,299		11,589,299		11,589,299		11,589,299		11,589,29
25	Series 2026 Bonds [11]		0		0		9,840,787		19,681,574		19,681,574		23,281,69
26	Series 2028 Bonds [11]		0		0		0		0		7,991,190		18,455,40
28	Series 2030 Bonds [11]		0		0		0		0		0		
29	Series 2032 Bonds [11]		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		2.30
32	Required Coverage Policy Target		1.25		1.25		1.25		1.25		1.25		1.25 2.00
33	Policy Target -AND-		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
	Debt Service Requirements: Subordinate Obligations [12]:						
35	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
	UOSA Subordinate Debt						
36	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	UOSA Proposed Subordinate Debt [13]	-	1,988,884	1,988,884	1,988,884	1,988,884	1,988,884
39	UOSA Proposed Subordinate Debt [13]	-	-	-	-	4,405,804	4,405,804
40	UOSA Proposed Subordinate Debt [13]	-	-	-	-	-	-
41	UOSA Proposed Subordinate Debt [13]	-	-	-	-	-	-
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	Calculated Coverage	2.29	2.15	2.06	2.01	1.92	2.04
46	Required Minimum Coverage	1.00	1.00	1.00	1.00	1.00	1.00
47	Min. Recommended Target for Test 2 - 2.00	2.00	2.00	2.00	2.00	2.00	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	Debt Service Subfund [15]	\$ 39,889,056	\$ 48,566,228	\$ 58,450,257	\$ 68,281,502	\$ 76,257,148	\$ 84,684,201
50	Subordinate Obligations Subfund [16]	23,290,012	25,736,314	26,038,421	26,037,549	30,445,468	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
(I	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%         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{array}{ 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).

Page 3 of 3

#### 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 in the same is the same interval of the same interval of the same is the same interval of the same interval of the same is the same interval of the same interval of the same is the same interval of the same interval
- [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]

No.	Description						jected Fiscal Y						
	1		2024		2025		2026		2027		2028		2029
1	Outstanding Senior Lien Debt Service:	¢	5 050 521	¢	5 021 400	¢	5 0 47 200	¢	5.066.120	¢	5 071 740	¢	249.921
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		φ		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	\$	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
12	Transfers In:		¢	1 1 1 0 000	¢	1 020 120	¢	1 050 007	¢	1 002 107	¢	2 001 205	¢	1 0 1 2 1 40
13	Operations		\$	1,110,000	\$	1,028,128	\$	1,958,997	\$	1,993,196	\$	2,081,285	\$	1,912,149
14 15	Debt Service Reserve - 69030 VRA Debt Service Reserve - 69000B			-		-		5,678,052		-		-		-
15	Subtotal		S	1,110,000	\$	1.028,128	\$	7.637.049	\$	1,993,196	\$	2,081,285	\$	1.912.149
10			φ	1,110,000	φ	1,020,120	φ	7,037,049	φ	1,995,190	φ	2,001,205	φ	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		6	0	0	0	¢	0	<i>•</i>	0	6	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>				~			
26	Beginning Balance		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
27	Transfor In Availability Charges Collection		\$	19 296 001	\$	18,895,975	\$	10 770 072	¢	20 446 046	¢	21 221 095	¢	22,015,343
27	Transfer In - Availability Charges Collections Transfer In - Sale of Capacity / Other Contributions		Э	18,286,001 0	Ф	18,893,973	э	19,770,973 0	\$	20,446,046 0	э	21,331,985 0	Ф	22,015,545
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		¢	18,280,001	φ	10,095,975	φ	19,770,973	φ	20,440,040	φ	21,331,965	φ	22,015,545
31	Total Transfers Out		\$	18,286,001	\$	18,895,975	\$	19,770,973	\$	20,446,046	\$	21,331,985	\$	22,015,343
22	Laters at 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	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
35	Ending Balance (Availability Charges Fund	INO	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
36	VRA DEBT SERVICE RESERVE - FUND 69000B Beginning Balance		\$	-	\$	-	\$	_	\$		\$		\$	
30	Revenues / Transfers In		э	-	Ф	-	э	-	Ф	-	э	-	Ф	-
37	New Debt		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Expanditures / Transform Out													
38	Expenditures / Transfers Out Operating Reserves - Fund 69000		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
20	Interact Data	Med. Term		2 0.00/		2 0.00/		2 220/		2 220/		2 270/		2 2 10/
39 40	Interest Rate Interest Income	Med. 1 erm	\$	2.00%	\$	2.00%	\$	2.22%	\$	2.22%	\$	2.27%	¢	2.31%
40 41	Recognition of Interest in Revenue Requirements	Yes	3	-	\$	-	Э	-	Э	-	\$	-	\$	-
42	Ending Balance	105	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0
74	Liong Duance		φ	0	φ	0	φ	0	φ	0	φ	0	φ	0

Footnotes on Page 3 of 3.

# Projected Fund Balances and Interest Income Determination

No.								Fiscal Year E	Jun	ng June 30,				
	Description	2023		2024		2025		2026		2027		2028		2029
43	SEWER CONSTRUCTION FUND 69300 Renewals and Replacements - Fund 69300 Beginning Balance		\$	65,889,803	\$	115,787,911	\$	67,629,435	\$	100,563,547	\$	98,166,588	\$	79,209,881
44 45	Revenues / Transfers In: Transfers In From Operations Transfers In From Revenue Fund 69000		\$	63,961,681	\$	76,590,524	\$	81,076,060 5,678,052	\$	86,237,641	\$	89,486,931	\$	104,495,256
46	Total Transfers In		\$	63,961,681	\$	76,590,524	\$	86,754,112	\$	86,237,641	\$	89,486,931	\$	104,495,256
47	Expenditures / Transfers Out Transfers Out Capital Expenditures		\$	14,063,573	\$	124,749,000	\$	53,820,000	\$	88,634,600	\$	108,443,638	\$	108,246,947
48 49	Interest Rate Interest Income		\$	2.00% 1,817,000	\$	2.00% 1,834,000	\$	2.22% 1,869,000	\$	2.22% 2,208,000	\$	2.27% 2,010,000	\$	2.31% 1,787,000
50 51	Recognition Of Interest in Revenue Requirements Ending Balance Fund 69300	Yes	_	1,817,000 115,787,911		1,834,000 67,629,435		1,869,000 100,563,547	\$	2,208,000 98,166,588	\$	2,010,000 79,209,881	\$	1,787,000 75,458,189
52	Service Line Extensions - Subfund 69300A Beginning Balance		\$	-	\$	3,260,000	\$	5,000,000	\$	5,262,152	\$	5,525,386	\$	5,789,707
53	Revenues / Transfers In Transfers In From Operations		\$	3,000,000	\$	1,478,927	\$	-	\$	-	\$	-	\$	-
54 55	Non-Recurring Revenues Total Transfers In		\$	260,000 3,260,000	\$	261,073 1,740,000	\$	262,152 262,152	\$	263,234 263,234	\$	264,321 264,321	\$	265,413 265,413
56	Expenditures / Transfers Out Transfers Out Capital Expenditures		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
57 58	Interest Rate Interest Income		\$	2.00% 33,000	\$	2.00% 83,000	\$	2.22% 114,000	\$	2.22% 120,000	\$	2.27% 128,000	\$	2.31% 137,000
59 60	Recognition Of Interest in Revenue Requirements Ending Balance Fund C69300A	Yes	\$	33,000 3,260,000	\$	83,000	\$	114,000 5,262,152	\$	120,000 5,525,386	\$	128,000 5,789,707	\$	137,000 6,055,119
61	SENIOR SINKING FUND - 69020 Annual Senior Debt Service		\$	39,889,056	\$	48,566,228	\$	58,450,257	\$	68,281,502	\$	76,257,148	\$	84,684,201
62	Average Balance		\$	13,296,352	\$	16,188,743	\$	19,483,419	\$	22,760,501	\$	25,419,049	\$	28,228,067
63 64 65	Interest Rate Interest Income Recognition Of Interest in Revenue Requirements	Yes		2.00% 266,000 266,000		2.00% 324,000 324,000		2.22% 433,000 433,000		2.22% 506,000 506,000		2.27% 576,000 576,000		2.31% 652,000 652,000
66	DEBT SERVICE RESERVE - FUND 69030 Beginning Balance		\$	32,463,311	\$	48,609,470	\$	48,609,470	\$	69,813,243	\$	69,813,243	\$	90,741,664
67 68	Revenues / Transfers In Transfer In - Deficiency Below Reserve Requirement fror Transfer in New Debt Proceeds	n Reserves	\$	4,556,860 11,589,299	\$	0	\$	26,881,825	\$	-	\$	20,928,421	\$	-
69	Expenditures / Transfers Out Transfer Out - Excess Above Requirement to Reserves		\$	-	\$	-	\$	5,678,052	\$	-	\$	-	\$	-
70 71	Interest Rate Interest Income		\$	2.00% 765,000	\$	2.00% 972,000	\$	2.22% 1,316,000	\$	2.22% 1,551,000	\$	2.27% 1,820,000	\$	2.31% 2,097,000
72	Recognition Of Interest in Revenue Requirements	Yes	Ψ	765,000	Ψ	972,000	Ψ	1,316,000	Ψ	1,551,000	ψ	1,820,000	Ψ	2,097,000
73	Ending Balance Fund C69030		\$	48,609,470	\$	48,609,470	\$	69,813,243	\$	69,813,243	\$	90,741,664	\$	90,741,664
74	SUBORDINATE DEBT SINKING FUND - 69040 Annual Subordinate Debt Service		\$	23,290,012	\$	25,736,314	\$	26,038,421	\$	26,037,549	\$	30,445,468	\$	24,360,989
75	Average Balance		\$	5,822,503	\$	6,434,078	\$	6,509,605	\$	6,509,387	\$	7,611,367	\$	6,090,247
76 77	Interest Rate Interest Income		\$	2.00% 116,000	\$	2.00% 129,000	\$	2.22% 145,000	\$	2.22% 145,000	\$	2.27% 173,000	\$	2.31% 141,000
78	Recognition Of Interest in Revenue Requirements	Yes		116,000		129,000		145,000		145,000		173,000		141,000

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	\$	-	\$ 1	43,659,000
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	<u>\$</u>	8,001,000	<u>\$</u> \$	367,944,400	\$ \$		<u>\$</u>	314,909,000	\$	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	\$		\$		\$		\$	71,250,000
93 94 95	Interest Rate Interest Income Recognition Of Interest in Revenue Requirements	No	\$	0.00%	\$	0.00%	\$	0.00%	\$	0.00%	\$	0.00%	\$	0.00%
96	Ending Balance Fund C69310B		\$	87,500,000	\$	-	\$	176,694,400	\$		\$	143,659,000	\$	
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)

Line							ojeo	cted Fiscal Ye	ear En	iding 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		-		-		-		-		-		1,400,00
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		422,000		45,921,0
7	WTD7	Biosolids Master Plan		-		-		2,000,000		-		-		-		2,000,0
8	WTD8	Expansion to 80 MGD		-		-		-		-		-		6,300,000		6,300,0
9	WTD9	Future Regulatory Project		-		-		-		-		-		3,000,000		3,000,0
10	WTD10	Generator Facility Rehabilitation		-		-		-		-		-		-		
11	WTD11	WPMD Lab HVAC Upgrade		5,700,000		6,500,000		-		-		-		-		12,200,0
12	WTD12	Master Filtration				-		-		-		-		-		
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		-		-		-		-		3,300,
15	WTD15	MSP - Project Management and In-house Design		442,000		3,600,000		-		-		-		-		4,042,
16	WTD16	MSP - In-house Design Construction		2,300,000		3,800,000		450,000		-		-		-		6,550,
7	WTD17	MSP - Current Needs: Barscreen and Degrit		1,200,000		4,400,000		5,700,000		5,700,000		3,100,000		224,000		20,324,
8	WTD18	MSP - FF Gates		4,400,000		5,700,000		808,000		208,000		-				11,116,
9	WTD19	MSP - FF Capacity Improvements		1,000,000		33,400,000		21,800,000		20,300,000		11,000,000		-		87,500,
20	WTD20	MSP - Current Needs Clarifiers, MBBRs, and DD				1,500,000		541,000		16,200,000		14,700,000		15,700,000		48,641,
21	WTD21	MSP - Phase 1 MBBR Capacity Improvements		1,100,000		10,700,000		6,700,000								18,500,
2	WTD22	MSP - Future Needs Tertiary Clarifiers and DD Renewal				1,000,000		1,500,000		541,000		15,200,000		14,700,000		32,941,
23	WTD23	Next Generation Biosolids Program		-		-,,		-,		-		6,900,000		6,900,000		13,800,
24	WTD24	Pohick Creek Stream Stabilization		381,000		3,000,000		419,000		-						3,800,
5	WTD25	Primary and Secondary Sustaining Project		30,500,000		19,000,000		24,400,000		78,000		-		-		73,978,
6	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		1,500,000		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		_		_		_		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										51,500,000		_		252,000,
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,
33		Total Wastewater Treatment Division	\$ 1	42,775,000	\$	177,317,000	\$	139,242,333	\$ 10	08,860,333	\$	114,833,333	\$	64,246,000	\$	747,274,0
		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	\$ 4	45,050,000	\$	38,730,000	\$	38,343,000	\$	238,418,0
		Blue Plains Program Total														
6	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,
7		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	\$	245,000	\$	18,544,
0	TION	UOSA Projects Place Holder	<u>~</u>	2 1 (2 000	¢		~		¢	107.000	e	040 200	~	2 121 000	e	5 222
10	TbC14	Delivery System Expansion to 54 mg	\$	2,163,800	\$	-	\$	-	\$	186,900	\$	840,300	\$	2,131,900	\$	5,322,
1	TbC15	Reserve Maintenance		10,808,900		4,439,400		3,368,500		10,987,700		25,942,600		25,459,100		81,006,
2	TbC16	Hydraulic Improvements		-		-		-		-		-		-		10.500
13	TbC17	Nutrient Cap		3,380,200		3,561,600		3,246,200		3,381,000		-		-		13,569
14	TbC18	Master Planning		147,800		-		-		-		-		-		147,
15	TbC19	Delivery System Expansion to 64 mg		-		-		-		-		-		-		
6		Subtotal UOSA Projects Place Holder	\$	16,500,700	\$	8,001,000	\$	6,614,700	\$	14,555,600	\$	26,782,900	\$	27,591,000	\$	100,045,
7		Total Treatment By Contract	\$	74,500,700	S	80,322,000	S	82.021.700	\$ 10	06.489.600	\$	114.058.900	S	105,535,000	\$	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)

Line No.	Project #	Description		2024		2025	ojec	cted Fiscal Ye 2026	ar E	2027	9,	2028		2029		Total Cost
		WASTEWATER COLLECTION DIVISION (WCD) Pumping Stations														
48	PS1	PUMP STATION CONDITION ASSESSMENT	\$	250,000		100,000	\$	-	\$		\$	-	\$	-	\$	350,00
49	PS2 PS3	Accotink Pump Station		3,912,416 5,187,447		17,997,889 2,932,353		17,752,005 2,057,218		22,877,284		22,877,284		5,719,323		91,136,20 10,177,01
50 51	PS4	Holmes Run Pump Station Difficult Run Odor & Grit		2,348,928		2,952,555		2,037,218		-		-		-		4,141,60
52	PS5	Savile Lane Pump Station		2,304,026				-		-		-		-		2,304,02
53	PS6	Oak Marr Pump Station		1,528,516		1,340,617		-		-		-		-		2,869,13
54 55	PS7 PS8	Wellington II Pump Station Wellington I Pump Station		27,302		181,503 2,031,254		-		-		-		-		181,50 2,058,55
56	PS9	Lakebarcroft Odor Control		294,178		1,909,540		1,690,489		1,137,254		-		-		5,031,46
57	PS10	Jones Point Pump Station and Forcemain		411,995		2,096,156		6,259,764		603,269		1,498,719		-		10,869,9
58	PS11	Langley School Pump Station and Forcemain		120,749		246,127		-		-		-		-		366,8
59 60	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		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		1,532,745		1,585,173		1,267,797				-		4,499,7
62	PS15	FREUND HOUSE PUMP STATION SCREENS		131,795		880,732		121,984		-		-		-		1,134,5
63	PS16	SCADA		846,000		350,000		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		4,232,533		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		416,506		2,058,997		9,253,224		10,035,022		12,485,434		34,249,1
70 71	PS23 PS24	Dead Run Valve Replacement Downscrest PS Replacement		175,142 188,427		-		906,303		3,458,582		1,442,243		-		175,1 5,995,5
72	PS25	Little Hunting Creek Forcemain		750,575		7,460,621		1,188,112				, _,		-		9,399,3
73	PS26	Mount Vernon Terrace Forcemain		675,948		984,370		181,407		-		-		-		1,841,7
74 75	PS27 PS28	Wellington I Forcemain		21,214 870,121		899,901		-		-		-		-		921,1
75 76	PS28 PS29	Riverwood Forcemain Miscellaneous Pump Station Projects		1,600,000		151,293 1,711,602		2,775,156		4,392,817		10,043,236		11,515,744		1,021,4 32,038,5
77		Toal Pumping Stations	\$	26,169,987	s	50,248,423	s	45,953,751	s		\$	55,210,984	\$	34,721,090	\$	271,547,4
		Gravity Sewers	*		-	,,		,			-	,,	Ť		-	,
78	GS1	Meter Rehabilitation - Project 4	\$	46,890	\$	2,288,694	\$	3,405,055	\$	1,123,824	\$		\$	-	\$	6,864,4
79 80	GS2 GS3	Little Hunting Creek Sewer Sag Carderock Gravity Sewer Rehabilitation		259,045 2,242,572		143,832		263,043		-		-		-		259,0 2,649,4
81	GS4	Inspections		2,000,000		2,060,000		2,121,800		2,185,454		2,251,018		2,318,548		12,936,8
82 83	GS5 GS6	Asset Repairs		5,633,811 8,000,000		5,204,102 7,000,000		4,463,539 6,000,000		4,172,800 6,180,000		6,207,360 4,120,000		8,248,832		33,930,4
84	GS6 GS7	CIPP LINING Sag Replacement Package 2		1,402,112		4,323,042		43,075		0,180,000		4,120,000		4,243,600		35,543,6 5,768,2
85	GS8	CREEK BED PROGRAM		850,000		875,500		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		6,000,000		50,000		50,000		50,000		-		150,0 10,400,0
88	GS11	Springfield Estates Gravity Bypass		926,430		5,177,169		861,505		-		-		-		6,965,1
89 90	GS12 GS13	Little Pimmit Run Sewer Relocation		380,815 200,000		574,338 100,000		2,590,893 105,000		3,820,126 110,250		1,020,458		101 551		8,386,6
90 91	GS13 GS14	UTILITY INTRUSION Chain Bridge Vault - Site Safety Improvements		5,653		- 100,000		- 105,000				115,763		121,551		752,5 5,6
92 93	GS15	Augusta Drive Sewer		10,118				-		-		-		-		10,1
95 94	GS16 GS17	Coon Branch Tributary Sewer Replacement Belleview Program		50,000 2,336,536		550,000 3,044,260		7,000,000		4,000,000		4,120,000		4,243,600		600,0 24,744,3
95	GS18	WEST SPRINGFIELD STREAM CROSSING		102,321		1,579,065		-		-						1,681,3
96 97	GS19 GS20	MH 198 Study EMERGENCY Wolf Trap		219,831 423,409		146,610		-		-		-		-		366,4 423,4
98	GS21	Old Mill Odor Study		81,000		-		-		-		-		-		423,-
99 .00	GS22	Pohick Phase 2		508,752		1,166,217		3,446,021		2,333,726		-				7,454,7
00	GS23 GS24	Town of Vienna Pipes Construction Chain Bridge Siphon Project - Arlington		250,000 300,000		250,000 2,000,000		250,000 3,000,000		250,000		250,000		250,000		1,500,0 5,300,0
02	GS25	Abilene Street Pipe Replacement		600,000		-		-		-		-		-		600,
03 104	GS26 GS27	Emergency Joseph Barnes Battery Park Emergency - Reservoir Road		266,339 94,213		-		-		-		-		-		266,3 94,2
05	GS28	Emergency - Shreve Road		100,000		-		-		-		-		-		100,0
06	GS29	Miscellaneous Gravity Sewer Projects		2,400,000		2,100,000		2,100,000		5,266,863		9,625,589		6,458,726		27,951,
07		Toal Gravity Sewers	\$	34,089,848	\$	44,582,828	\$	35,949,932	\$	29,743,044	\$	27,960,187	\$	26,084,857	\$	198,410,6
08	E1	Expansion TYSONS WEST Barte L Server Correction Access Internet	\$	3,017,068		12,545,489	\$	54,253,245	\$	66,673,029	\$	34,198,424	\$	11,341,498	\$	182,028,7
109 10	E2 E3	Route 1 Sewer Capacity Access Improvements UTILITY MANAGEMENT PLAN		1,500,000 850,000		10,000,000		10,000,000		10,000,000		10,000,000		10,000,000		51,500,0 850,0
11	E4	Accotink Creek Relief Sewer-Phase 1		1,458,615		4,571,569		22,378,459		24,476,118		5,320,895		-		58,205,0
12 13	E5 E6	Lakevale Capacity Improvements Merrifield Capacity Upgrade		223,397 270,994		2,052,076 2,865,188		1,530,730 766,996		1,513,504		-		-		5,319, 3,903,
14	E7	TYSONS EAST		1,509,297		-		/00,990		1,076,816		3,195,429		3,186,674		8,968,2
15 16	E8 E9	I-495 Next Lane Miscellaneous Expansion Projects		303,816		2,427,811		-		1,083,317		9,128,823		21,081,400		2,731, 31,293,
10	E9	Toal Expansion	<b>c</b>	9,133,186	¢	34,462,134	ç	88,929,431	ç		s	61,843,571	ç		s	344,800,0
18		Total Wastewater Collection Division	ہ ج	69,393,021		29,293,385	5			193.809.022		145,014,743		106,415,518	ہ ج	814,758,8
10			¢	07,373,021	φI	29,273,383	\$	170,033,114	Ģ	173,009,022	¢	140,014,745	ې	100,413,318	ۍ	014,/36,8
19	OP1	C&C Conveyance Projects Oversizing Projects - County Responsibility	\$	22,500,000	\$	11,250,000	\$	11,250,000	\$	11,250,000	\$	11,250,000	\$	11,250,000	\$	78,750,0
20		Total Oversizing Program	\$	22,500,000	\$	11,250,000	\$	11,250,000	\$	11,250,000	\$	11,250,000	\$	11,250,000	\$	78,750,
															,	
21		Capital Outlay (From Operations)	\$	13,242,784		6,000,000	\$	6,180,000	\$	6,365,400	\$	6,556,362	\$	6,753,053	\$	45,097,5
22		Total System Capital Projects		322,411,504			S	409,527,147						294,199,571		2,248,808,1

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						Pro	ojected	Fiscal Yea	ar Endin	g June 3	30, –					
No.	Project #	Description		2024	2025		20	26	202	27	,	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	1,3	33,333		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	18,6	600,000		14,300,000		422,000		45,921,
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		-		-		-		-		-		-		
13	WTD13	Miscellaneous Small Projects		6,000,000	6,000,	000	6,	000,000	6,0	000,000		6,000,000		6,000,000		36,000,
14	WTD14	Modernization of Support and Administrative Facilities		2,100,000	1,200	000		-		-		-		-		3,300,
15	WTD15	MSP - Project Management and In-house Design		442,000	3,600	000		-		-		-		-		4,042,
16	WTD16	MSP - In-house Design Construction		2,300,000	3,800	000		450,000		-		-		-		6,550,
17	WTD17	MSP - Current Needs: Barscreen and Degrit		1,200,000	4,400	000	5,	700,000	5,7	700,000		3,100,000		224,000		20,324
18	WTD18	MSP - FF Gates		4,400,000	5,700	000		808,000	2	208,000		-		-		11,116
19	WTD19	MSP - FF Capacity Improvements		1,000,000	33,400	000	21,	800,000	20,3	00,000		11,000,000		-		87,500
20	WTD20	MSP - Current Needs Clarifiers, MBBRs, and DD		-	1,500	000		541,000	16,2	200,000		14,700,000		15,700,000		48,641
21	WTD21	MSP - Phase 1 MBBR Capacity Improvements		1,100,000	10,700	000	6,	700,000		-		-		-		18,500
2	WTD22	MSP - Future Needs Tertiary Clarifiers and DD Renewal		-	1,000	000	1,	500,000	5	541,000		15,200,000		14,700,000		32,941
23	WTD23	Next Generation Biosolids Program		-		-		-		-		6,900,000		6,900,000		13,800
4	WTD24	Pohick Creek Stream Stabilization		381,000	3,000	000		419,000		-		-				3,800
.5	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	38,9	000,000		31,300,000		-		232,600,
30	WTD30	Reclaimed Water Drought Relief		-		-		· -		· -		-		-		
31	WTD31	Sustainability and Energy Projects		-	1,000.	000	1,	000,000	1,0	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	\$ 108,8	360,333	\$	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	\$ 45,0	050,000	\$	38,730,000	\$	38,343,000	\$	238,418,
35		Subtotal ASA Program	\$	36,420,000	\$ 38,991	000	\$ 40,	884,000	\$ 45,0	50,000	\$	38,730,000	\$	38,343,000	\$	238,418,
		Blue Plains Program Total														
6	TbC5	Blue Plains Capital Projects	\$	18,665,000	\$ 28,401,	000	\$ 29,	354,000	\$ 43,2	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	\$ 43,2	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	\$ 3,6	570,000	\$	1,616,000	\$	245,000	\$	18,544,
39		Subtotal Arlington Program	\$	2,915,000	\$ 4,929	000	\$ 5,	169,000	\$ 3,6	570,000	\$	1,616,000	\$	245,000	\$	18,544,
		UOSA Projects Place Holder														
40		UOSA Existing Debt Service	\$	21,435,239	\$ 21,751,	418	\$ 22,	348,276	\$ 22,3	56,232	\$	22,348,390	\$	22,353,171	\$	132,592
41		Subtotal UOSA Projects Place Holder	\$	21,435,239	\$ 21,751,	418	\$ 22,	348,276	\$ 22,3	56,232	\$	22,348,390	\$	22,353,171	\$	132,592
2		Teleford and D. C. david	•	70 425 220	6 04 072	410	e 07	755 276	0 1140	00 222	¢	100 (24 200	6	100,297,171	6	595,474
		Total Treatment By Contract	8	79.435.239	\$ 94.072.	418	\$ 97.	133.4/6	> 1142	90.252	3	109.024.390	. 5	100.297.171	\$	393.4/4

Footnotes on Page 2 of 2

# 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	roje	2026	r Ending June 2027	202	8	2029	·	Total Cost
		WASTEWATER COLLECTION REVISION (WCR)											
		WASTEWATER COLLECTION DIVISION (WCD) Pumping Stations											
43	PS1	PUMP STATION CONDITION ASSESSMENT	\$	250,000 \$	100,000	\$	-		\$			\$	350,0
14 15	PS2 PS3	Accotink Pump Station		3,912,416	17,997,889		17,752,005	22,877,284	22,8	77,284	5,719,323		91,136,2
-5 -6	PS5 PS4	Holmes Run Pump Station Difficult Run Odor & Grit		5,187,447 2,348,928	2,932,353 1,792,681		2,057,218	-		-	-		10,177, 4,141,
7	PS5	Savile Lane Pump Station		2,304,026	-		-	-		-	-		2,304,
-8	PS6	Oak Marr Pump Station		1,528,516	1,340,617		-	-		-	-		2,869,
.9	PS7	Wellington II Pump Station			181,503		-	-		-	-		181,
0	PS8	Wellington I Pump Station		27,302	2,031,254		1 600 490	1 127 254		-	-		2,058, 5,031,
2	PS9 PS10	Lakebarcroft Odor Control Jones Point Pump Station and Forcemain		294,178 411,995	1,909,540 2,096,156		1,690,489 6,259,764	1,137,254 603,269	14		-		10,869,
3	PS11	Langley School Pump Station and Forcemain		120,749	246,127				1,4	-	-		366,
4	PS12	LLV LOW PRESSURE SYSTEM		2,037,254	1,000,000		1,000,000	1,000,000	1,5	00,000	1,500,000		8,037
5	PS13	Oxford and Washington Woods PS		197,848	-		1,266,413	3,063,015	1,0	30,340	-		5,557,
6	PS14	Penderbrook and Wesley House Pump Stations		113,991	1,532,745		1,585,173	1,267,797		-	-		4,499
7	PS15	FREUND HOUSE PUMP STATION SCREENS		131,795	880,732		121,984	-	10	-	2 500 500		1,134
8 9	PS16 PS17	SCADA		846,000	350,000		1,723,010	4,667,452	4,6	57,452	3,500,589		15,754 20
)	PS17 PS18	EMERGENCY Langley School PS Edgewater and The Fairfax Pump Stations		20,099 165,187	-		790,000	1,855,312			-		2,810
1	PS19	Waynewood I & Waynewood II PS		213,550	_		1,334,472	5,092,190	2.1	16,689	-		8,756
2	PS20	Covanta FM Replacement		1,777,279	4,232,533		3,208,245		2,1		-		9,218
	PS21	Yacht Haven Structure Abandonment		-			55,000	575,000		-	-		630
ł	PS22	BRADDOCK ROAD		-	416,506		2,058,997	9,253,224	10,0	35,022	12,485,434		34,249
	PS23	Dead Run Valve Replacement		175,142	-		-	-		-	-		175
	PS24	Downscrest PS Replacement		188,427	-		906,303	3,458,582	1,4	42,243	-		5,995
	PS25	Little Hunting Creek Forcemain		750,575	7,460,621		1,188,112	-		-	-		9,399
;	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		870,121	151,293		-	-		-	-		1,021
	PS29	Miscellaneous Pump Station Projects		1,600,000	1,711,602		2,775,156	4,392,817	10.0	43,236	11,515,744		32,038
		Toal Pumping Stations	\$	26,169,987 \$	50,248,423		45,953,751				\$ 34,721,090	\$	271,547
		Gravity Sewers											
	GS1	Meter Rehabilitation - Project 4	\$	46,890 \$	2,288,694	\$	3,405,055	\$ 1,123,824	\$	-	\$ -	\$	6,864
	GS2 GS3	Little Hunting Creek Sewer Sag Carderock Gravity Sewer Rehabilitation		259,045 2,242,572	143,832		263,043	-			-		259 2,649
	GS4	Inspections		2,000,000	2,060,000		2,121,800	2,185,454	2.2	51,018	2,318,548		12,936
	GS5	Asset Repairs		5,633,811	5,204,102		4,463,539	4,172,800	6,2	07,360	8,248,832		33,930
	GS6	CIPP LINING		8,000,000	7,000,000		6,000,000	6,180,000	4,1	20,000	4,243,600		35,543
	GS7 GS8	Sag Replacement Package 2 CREEK BED PROGRAM		1,402,112 850,000	4,323,042 875,500		43,075 250,000	250,000	2	- 00,000	200,000		5,768 2,625
	GS9	CAMERON RUN I&I		-			50,000	50,000		50,000	200,000 -		150
	GS10	Pohick Creek Rehabilitation-Phase 1 (Pohick Interceptor)		4,400,000	6,000,000			-		-	-		10,400
} 	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	1.0	20,458	-		6,965 8,386
5	GS12 GS13	UTILITY INTRUSION		200,000	100,000		105,000	110,250		15,763	121,551		752
6	GS14	Chain Bridge Vault - Site Safety Improvements		5,653	-		-	-		-			5
7 3	GS15	Augusta Drive Sewer		10,118	-		-	-		-	-		10
,	GS16 GS17	Coon Branch Tributary Sewer Replacement Belleview Program		50,000 2,336,536	550,000 3,044,260		7,000,000	4,000,000	4.1	20,000	4,243,600		600 24,744
	GS18	WEST SPRINGFIELD STREAM CROSSING		102,321	1,579,065				7,1	-	-,2+5,000		1,681
	GS19	MH 198 Study		219,831	146,610		-	-		-	-		366
	GS20	EMERGENCY Wolf Trap		423,409	-		-	-		-	-		423
	GS21 GS22	Old Mill Odor Study Pohick Phase 2		81,000 508,752	1,166,217		3,446,021	2,333,726			-		81 7,454
	GS23	Town of Vienna Pipes Construction		250,000	250,000		250,000	250,000	2	50,000	250,000		1,500
	GS24	Chain Bridge Siphon Project - Arlington		300,000	2,000,000		3,000,000	-		· -	-		5,300
	GS25 GS26	Abilene Street Pipe Replacement Emergency Joseph Barnes Battery Park		600,000 266,339	-		-	-		-	-		600 266
	GS20 GS27	Emergency Joseph Barnes Battery Park Emergency - Reservoir Road		94,213	-		-	-		-	-		260
)	GS28	Emergency - Shreve Road		100,000						-	-		100
	GS29	Miscellaneous Gravity Sewer Projects		2,400,000	2,100,000		2,100,000	5,266,863		25,589	6,458,726		27,951
		Toal Gravity Sewers	\$	34,089,848 \$	44,582,828	\$	35,949,932	\$ 29,743,044	\$ 27,9	50,187	\$ 26,084,857	\$	198,410
;	E1	Expansion TYSONS WEST	s	3,017,068 \$	12,545,489	s	54,253,245	\$ 66,673,029	\$ 341	98,424	\$ 11,341,498	s	182,028
1	E2	Route 1 Sewer Capacity Access Improvements	φ	1,500,000	10,000,000		10,000,000	10,000,000		0,000	10,000,000	Ψ	51,500
;	E3	UTILITY MANAGEMENT PLAN		850,000	-		-	-		-	-		850
5	E4 E5	Accotink Creek Relief Sewer-Phase 1 Lakevale Capacity Improvements		1,458,615 223,397	4,571,569		22,378,459	24,476,118 1,513,504	5,3	20,895	-		58,205
\$	E6	Merrifield Capacity Upgrade		270,994	2,052,076 2,865,188		1,530,730 766,996	-		-	-		5,319 3,903
)	E7	I Y SONS EAST		1,509,297	-		-	1,076,816	3,1	95,429	3,186,674		8,968
	E8 E9	I-495 Next Lane		303,816	2,427,811		-	1 002 217	0.1		21 001 400		2,731
	E9	Miscellaneous Expansion Projects		-	-		-	1,083,317	9,1	28,823	21,081,400		31,293
		Toal Expansion	\$	9,133,186 \$	34,462,134	\$	88,929,431	\$ 104,822,783	\$ 61,8	43,571	\$ 45,609,572	\$	344,800
;		Total Wastewater Collection Division	\$	69,393,021 \$	129,293,385	\$	170,833,114	\$ 193,809,022	\$ 145,0	14,743	\$ 106,415,518	\$	814,758
Ļ	OP1	<u>C&amp;C Conveyance Projects</u> Oversizing Projects - County Responsibility	\$	22,500,000 \$	11,250,000	\$	11,250,000	\$ 11,250,000	\$ 11,2	50,000	\$ 11,250,000	\$	78,750
5		Total Oversizing Program	\$	22,500,000 \$	11,250,000		11,250,000	\$ 11,250,000	\$ 11,2	50,000	\$ 11,250,000	\$	78,750
			Ţ	, , , , , , , , , , , , , , , , , , ,	, ,	-		, , - • •	. ,_	,		,	
5		Capital Outlay (From Operations)	\$	13,242,784 \$	6,000,000	\$	6,180,000	\$ 6,365,400	\$ 6,5	56,362	\$ 6,753,053	\$	45,09
,		Total System Capital Projects		327,346,043 \$	417,932,804		425,260,723	\$ 434,574,987	\$ 387,2		\$ 288,961,742	\$	2,281,35

# 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	5 251,250,000 \$	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	Operating Revenues: Sewer Service Charges [2] Sales of Service (Bulk Revenue)	\$	249,903,039	\$	266,006,538	\$	283,005,648	\$	301,219,826 12,448,591	\$	320,555,083	\$	341,194,506
4 5	Other Operating Revenues [3] Subtotal Operating Revenues	11,14	\$262,081,925 3,886	11,5	\$278,560,391 17,779	11,97	\$296,015,977 73,177		1,038,234 \$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	1,03′ \$	7,152 367,944,400	\$	14,555,600	1,03 \$	9,321 314,909,000	1,0 \$	040,413 27,591,000
8 9	Additions to Debt Reserve Fund [4] Availability Fees Unrestricted Interest Earned	\$	18,286,001	\$	18,895,975	\$	19,770,973	\$	20,446,046	\$	21,331,985	\$	22,015,343
10 11	Restricted Interest Income [5] Grants	Ŷ	39,299 862,000	Ŷ		Ŷ	81,825 20,000	Ψ	20,000	+	28,421 21,000	Ψ	22,000
12	Subtotal	\$,579	9,0 <del>000</del> 6,816,999	\$,900	0,0001,813,975	\$,64	1,000,258,199	<b>8</b> ,33	38,0001,359,646	<b>\$</b> ,59	8,0363,788,406	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 19	TBC and Billing Agent Costs General Fund Transfer Operating Expense Adjustment	42,20	05,437	41,74	40,257	42,88	88,789	44,(	042,192		665,616)	46	,533,329
20	Subtotal	<del>\$0,02</del> \$0,02	9 <b>4,140</b> ,193,393 ),000	Ψ	529) 51,449,695,172 0,000	Ψ	<b>89,047</b> ,462,064 0,000	3,00	999) 953, <b>152</b> ,312,176 00,000	<b>§</b> 6,7 3,00	11, <b>849</b> ,376,635 1,800,000 0,000	<del>(65</del> \$ 3,(	<del>8,520,613</del>
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 \$	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>01,998</del> ,250,000	<u>191,2</u> \$	250,000 251,250,000	<u>191</u> \$	,250,000 286,250,000	\$	286,250,000		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, ²	786,859,000

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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 29 30 31	<u>Debt Service:</u> Existing Senior Debt Service Proposed Senior Debt Service [4] Existing Subordinate Debt Service Proposed Subordinate Debt Service [7]	\$	36,991,731	\$	36,976,929	\$	37,020,171	\$	37,010,629 31,270,872 24,048,665	\$	36,995,085	\$	31,357,802
32	Subtotal	<b>§</b> .897. 23,290	32 <b>6</b> 3,179,068	\$1,589 23,747	/	Ž4,04	30,0 <b>84</b> ,488,677 49,537	Ψ	94,319,050	<b>3</b> 9,262 24,050	/	17,96	26, <b>309</b> ,045,190 56,302
33	TOTAL USE OF FUNDS	\$	420,872,461	<b>\$</b> ,988,	8 <b>44</b> 3,247,714	<b>\$</b> ,98	8,8443,200,742	\$ 1,988	3532,881,226	<b>\$</b> ,394,	6 <b>§</b> <del>5</del> 0,329,250	<b>\$</b> ,394	4,6897,324,721
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									1	-44.500.000		
38	Availability Charge Balance	49.60	0.470							90,	7441,5994000		
39	Sewer Construction Fund - 69300A [8]	48,60	,	48,609	9,470	69,8	13,243	69,813	,243 -			90,74	41,664
40	Subtotal	<b>\$8</b> ,362	, <b>090</b> ,845,193	\$ 879,00	113,130,321 00	\$	313,269,643	\$ 919,00		Ψ	305,805,700	\$ 962,0	000
41	UNRESTRICTED ENDING BALANCE	\$,260	,000,564,182	\$ 000	0087,405,706	\$,26	2,1,1,2,0,339,819	\$	117,942,859	\$ 789	7098,986,153	\$ 184	1,346,262

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)	(Recommended)												
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

1Gross Fit2Less Fix3Less Dor4Plus 10 V5Less Alle6Plus Lan7Total8Total Re9Sales of10Net Reta11Less Res	ATER TREATMENT xed Capacity Rights / Assets [1] ed Asset Allocation to SOS Customers (Dont Direct Pay C nated Assets Year CIP CIP (Inflated) [3] owance for Retirements for CIP d, Easements, and CWIP 	Upper Occoquan Service Authority (UOSA) \$341,231,346 (15,440,332) n/a 268,718,050 n/a \$594,509,064 22.10 (1.00) 21.10 0.00	Blue Plains Advanced Wastewater Treatment Plant - DC Water (Blue Plains) \$343,412,799 n/a n/a 248,904,226 n/a n/a \$592,317,025 31.00 (4.80) 26.20	Alexandria Renew Enterprises (ARE) \$406,346,261 n/a 299,148,963 n/a %705,495,224 32,40 (1.00)	Arlington County Water Pollution Control Plant (Arlington) \$53,324,936 n/a 19,381,000 n/a n/a \$72,705,936 3.00	Loudon County Sanitation Authority \$20,942,294 n/a n/a 0 n/a 1/a \$20,942,294 1.00	Noman Cole (Fairfax County) \$850,527,547 (50,777,764) (24,837) 392,637,881 (145,276,016) 171,146,361 \$1,218,233,173 67.00	Total \$2,015,785,184 (66,218,096) (24,837) 1,228,790,120 (145,276,016) 171,146,361 \$3,204,202,716 156,50
1Gross Fit2Less Fix3Less Dor4Plus 10 N5Less Alle6Plus Lan7Total8Total Re9Sales of10Net Reta11Less Res	xed Capacity Rights / Assets [1] ed Asset Allocation to SOS Customers (Dont Direct Pay C nated Assets Year CIP CIP (Inflated) [3] owance for Retirements for CIP d, Easements, and CWIP 	(15,440,332) n/a 268,718,050 n/a *594,509,064 22.10 (1.00) 21.10	n/a n/a 248,904,226 n/a 	n/a n/a 299,148,963 n/a \$705,495,224 32.40	n/a n/a 19,381,000 n/a \$72,705,936 3.00	n/a n/a 0 n/a <u>n/a</u> \$20,942,294	(50,777,764) (24,837) 392,637,881 (145,276,016) <u>171,146,361</u> \$1,218,233,173	(66,218,096) (24,837) 1,228,790,120 (145,276,016) 171,146,361 \$3,204,202,716
1Gross Fit2Less Fix3Less Dor4Plus 10 N5Less Alle6Plus Lan7Total8Total Re9Sales of10Net Reta11Less Res	xed Capacity Rights / Assets [1] ed Asset Allocation to SOS Customers (Dont Direct Pay C nated Assets Year CIP CIP (Inflated) [3] owance for Retirements for CIP d, Easements, and CWIP 	(15,440,332) n/a 268,718,050 n/a *594,509,064 22.10 (1.00) 21.10	n/a n/a 248,904,226 n/a 	n/a n/a 299,148,963 n/a \$705,495,224 32.40	n/a n/a 19,381,000 n/a \$72,705,936 3.00	n/a n/a 0 n/a <u>n/a</u> \$20,942,294	(50,777,764) (24,837) 392,637,881 (145,276,016) <u>171,146,361</u> \$1,218,233,173	(66,218,096) (24,837) 1,228,790,120 (145,276,016) 171,146,361 \$3,204,202,716
<ul> <li>4 Plus 10 V</li> <li>5 Less Allo</li> <li>6 Plus Lan</li> <li>7 Total</li> <li>8 Total Re</li> <li>9 Sales of</li> <li>10 Net Reta</li> <li>11 Less Res</li> </ul>	Year CIP CIP (Inflated) [3] owance for Retirements for CIP d, Easements, and CWIP 	268,718,050 n/a \$594,509,064 22.10 (1.00) 21.10	248,904,226 n/a <u>n/a</u> \$592,317,025 31.00 (4.80)	299,148,963 n/a <u>n/a</u> \$705,495,224 32.40	19,381,000 n/a n/a \$72,705,936 3.00	0 n/a <u>n/a</u> \$20,942,294	392,637,881 (145,276,016) 171,146,361 \$1,218,233,173	1,228,790,120 (145,276,016) 171,146,361 \$3,204,202,716
6 Plus Lan 7 Total 8 Total Re 9 Sales of 10 Net Reta 11 Less Res	d, Easements, and CWIP eserved Capacity (MGD) Service Reservations (MGD) [4] hil Reservations served Capacity for Reliability (MGD)	n/a \$594,509,064 22.10 (1.00) 21.10	<u>n/a</u> \$592,317,025 31.00 (4.80)	n/a \$705,495,224 32.40	n/a \$72,705,936 3.00	<u>n/a</u> \$20,942,294	171,146,361 \$1,218,233,173	171,146,361
7 Total 8 Total Re 9 Sales of 10 Net Reta 11 Less Res	served Capacity (MGD) Service Reservations (MGD) [4] hil Reservations served Capacity for Reliability (MGD)	\$594,509,064 22.10 (1.00) 21.10	\$592,317,025 31.00 (4.80)	\$705,495,224 32.40	\$72,705,936 3.00	\$20,942,294	\$1,218,233,173	\$3,204,202,716
8 Total Re 9 Sales of 10 Net Reta 11 Less Res	Service Reservations (MGD) [4] hil Reservations served Capacity for Reliability (MGD)	22.10 (1.00) 21.10	31.00 (4.80)	32.40	3.00			
<ul> <li>9 Sales of</li> <li>10 Net Reta</li> <li>11 Less Res</li> </ul>	Service Reservations (MGD) [4] hil Reservations served Capacity for Reliability (MGD)	(1.00) 21.10	(4.80)			1.00	67.00	156 50
10Net Reta11Less Res	il Reservations served Capacity for Reliability (MGD)	21.10		(1.00)		0.00		
11 Less Res	served Capacity for Reliability (MGD)			31.40	0.00 3.00	0.00	(9.45)	(16.25)
			0.00	0.00	0.00	0.00	0.00	0.00
	able 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
	djustments [5]	(\$5.29)	0.00	0.00	0.00	0.00	0.00	(5.29)
15 Adjusted	Cost per GPD of Reliable Capacity	\$22.89	\$22.61	\$22.47	\$24.24	\$20.94	\$21.17	\$134.31
	ustomers 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
	ustomers Annual Treated Flows (ADF-MGD)	14.44	26.71	20.40	2.34	0.00	36.49	100.39
	ng Reliable Retail Capacity (MGD) (Line 12 - Line 17) 7 as % of Total Remaining Capacity	<u>6.66</u> 16.49%	0.00	<u>11.00</u> 27.23%	0.66	<u> </u>	<u>21.06</u> 52.17%	40.38
20 Weighted c	cost of Reliable Capacity for Retail Customers	\$3.77	\$0.00	\$6.12	\$0.39	\$0.52	\$11.04	\$21.84
WASTEWA	ATER NON-TREATMENT							
	xed Capacity Rights / Assets [1]	\$4,434,649	\$0	\$5,893,325	\$0	\$0	\$978,642,147	\$988,970,121
	nated Assets	n/a	n/a	n/a	n/a	n/a	(234,124,715)	(234,124,715
23 Less Gra 24 Plus 10 Y	ants Year CIP CIP (Inflated) [3]	n/a 0	n/a 0	n/a 0	n/a 0	n/a 0	0 1,760,564,575	( 1,760,564,575
	owance for Retirements for CIP	n/a	n/a	n/a	n/a	n/a	(651,408,893)	(651,408,893
	id, Easements, and CWIP	n/a	n/a	n/a	n/a	n/a	83,966,605	83,966,605
20 Titis Lan 27 Total		\$4,434,649	\$0	\$5,893,325	\$0	\$0	\$1,937,639,719	\$1,947,967,693
28 Net Relia	able Retail Reservations (MGD)							140.25
	IGD of Capacity							\$13.89

Footnotes:

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

^[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)	<u>280</u>
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%
		0,110,1
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.

# **APPENDIX A**

# WASTEWATER REVENUE SUFFICIENCY AND RATE ANALYSIS MODEL OUTPUT – MANAGEMENT DASHBOARD

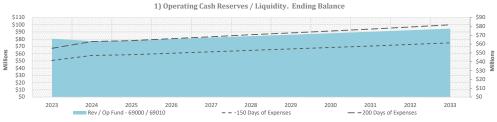
Chart No.	Description									
1	Operating Cash Reserves / Liquidity									
	<ul> <li>Identifies the forecast of projected and targeted operating cash reserves, which are used by th utility to maintain working capital for cash flow and to provide a reserve for contingencies such as unexpected increases in expenses or reductions in revenues all to ensure the utility can func- the near-term requirements of the system.</li> </ul>									
2	Revenue Sufficiency									
	<ul> <li>Provides an indication of the annual expenditures funded from revenues by category or type of expenditure and whether existing or recommended rates are sufficient to fund suc requirements to essentially determine the sufficiency of the forecast revenues.</li> </ul>									
3	Capital Reinvestment from Rates									
	<ul> <li>Primarily identifies the transfers in and out of capital-related funds for capital investmen Provides an indication of the level or amount of capital reinvestment as a percent of depreciation.</li> </ul>									
4	Net Revenue Margin (No ACs)									
	<ul> <li>Is a ratio calculated as: i) the Gross revenues (excluding ACs) less operating expenses = nerevenues (excluding ACs); divided by ii) gross revenues (excluding ACs). Indicates how much net revenue as a percent (%) is available to fund other expenditures above the cost of operation and maintenance. Higher ratios (above 40%) generally indicate more funds available for capitar reinvestment.</li> </ul>									
5	Capital Cash Reserves / Liquidity									
	<ul> <li>In addition to operating reserves, the utility should maintain capital-related funds to finance future capital projects and to provide funds for unexpected capital needs (e.g., a major line break). The forecast of such cash by fund provides an indication of the amount of funds available for unexpected capital improvements or cost increases. This also aids in identifying trends, such as declining reserve balances, which may not be sustainable.</li> </ul>									
6	Projected Capital Funding Program									
	<ul> <li>Identifies the annual capital funding (excluding UOSA capital projects) by source (e.g., interna sources such as rate revenues, availability charges, existing reserves, or debt proceeds)</li> </ul>									
7	Free Cash Flow to Depreciation Ratio									
	<ul> <li>Is a ratio to determine the annual cash flow available for capital reinvestment expressed as percent of depreciation. Free cash is determined as the Gross Revenues less operating expense and annual debt service payments. Amounts shown are expressed with and without availabilit charges.</li> </ul>									

#### FAIRFAX COUNTY WASTEWATER MANAGEMENT

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

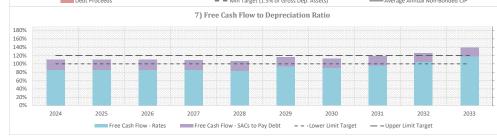


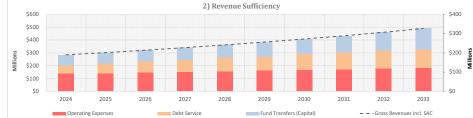
Quality of Water = Quality of Life					Adop	oted Fiscal Year F	nding June 30,									Projecto	ed Fiscal Year E	Inding June 30,				-
	2	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Adopted Rate Adj (%):												Incremental Rate Adj (%):										
Quarterly Base Charge		11.6%	11.0%	5.8%	5.3%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	Base Line - Qtly. Base Charge	11.33%	10.81%	5.66%	5.84%	5.75%	5.75%	5.76%	5.76%	5.76%	5.76%
Quarterly Billing Charge		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Base Line - Qtly. Billing Charge	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flow Charge		4.6%	4.1%	5.9%	5.4%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	Base Line - Flow Charge	4.16%	3.97%	5.66%	5.75%	5.75%	5.75%	5.75%	5.75%	5.75%	5.75%
												Oversizing - Qtly. Base Charge	0.30%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
												Oversizing - Qtly. Billing Charge	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
												Oversizing - Flow Charge	0.30%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
												Quarterly Base Charge	11.63%	10.96%	5.81%	5.99%	5.90%	5.90%	5.91%	5.91%	5.91%	5.91%
												Quarterly Billing Charge	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
												Flow Charge	4.46%	4.12%	5.81%	5.90%	5.90%	5.90%	5.90%	5.90%	5.90%	5.90%
Weighted Increase - Effective		6.2%	5.9%	5.9%	5.5%	5.3%	1.3%	0.0%	0.0%	0.0%	0.0%	Weighted Increase - Effective	N/A	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%
Weighted Increase - Annualized		6.2%	5.8%	5.9%	5.3%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	Weighted Increase - Annualized	N/A	5.8%	5.9%	5.9%	5.9%	5.9%	5.9%	6.0%	5.9%	5.9%
Adopted Rates:												Proposed Rates:										
Quarterly Base Charge	\$	44.81 \$	49.73 \$	52.62 \$	55.41 \$	58.35 \$	58.35 \$	58.35 \$	58.35 \$	58.35 \$	58.35	Quarterly Base Charge	\$44.81	\$49.73	\$52.62	\$55.78	\$59.08	\$62.57	\$66.27	\$70.19	\$74.34	\$78.74
Quarterly Billing Charge	\$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$		Quarterly Billing Charge	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Flow Charge	\$	8.46 \$	8.81 \$	9.33 \$	9.83 \$	10.35 \$	10.35 \$	10.35 \$	10.35 \$	10.35 \$	10.35	Flow Charge	\$8.46	\$8.81	\$9.33	\$9.88	\$10.46	\$11.08	\$11.74	\$12.44	\$13.18	\$13.96
Quarterly Bill	\$	197.09 \$	208.31 \$	220.56 \$	232.35 \$	244.65 \$	244.65 \$	244.65 \$	244.65 \$	244.65 \$	244.65	Quarterly Bill	\$ 197.09 \$	208.31 \$	220.56 \$	233.62 \$	247.36 \$	262.01 \$	277.59 \$	294.11 \$	311.58 \$	330.02
Change - Quarterly (18kgal)		\$	11.22 \$	12.25 \$	11.79 \$	12.30 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00	Change - Quarterly (18kgal)	\$	11.22 \$	12.25 \$	13.06 \$	13.74 \$	14.65 \$	15.58 \$	16.52 \$	17.47 \$	18.44
Change - Monthly (6kgal)		S	3.74 S	4.08 S	3.93 S	4.10 \$	0.00 \$	0.00 \$	0.00 \$	0.00 S	0.00	Change - Monthly (6kgal)	S	3.74 S	4.08 \$	4.35 S	4.58 \$	4.88 \$	5.19 S	5.51 \$	5.82 \$	6.15





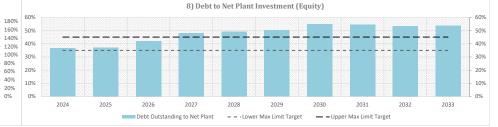










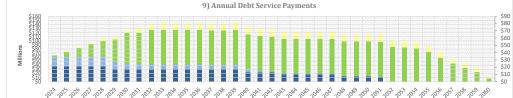


#### FAIRFAX COUNTY WASTEWATER MANAGEMENT

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

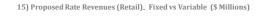


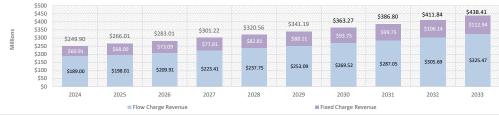
Quality of Water = Quality of Life				Adop	ted Fiscal Year E	Inding June 30,									Projecte	d Fiscal Year Er	nding June 30,				
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Adopted Rate Adj (%):											Incremental Rate Adj (%):										
Quarterly Base Charge	11.6%	11.0%	5.8%	5.3%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	Base Line - Qtly. Base Charge	11.33%	10.81%	5.66%	5.84%	5.75%	5.75%	5.76%	5.76%	5.76%	5.76%
Quarterly Billing Charge	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Base Line - Qtly. Billing Charge	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flow Charge	4.6%	4.1%	5.9%	5.4%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	Base Line - Flow Charge	4.16%	3.97%	5.66%	5.75%	5.75%	5.75%	5.75%	5.75%	5.75%	5.75%
											Oversizing - Qtly. Base Charge	0.30%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
											Oversizing - Qtly. Billing Charge	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
											Oversizing - Flow Charge	0.30%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
											Quarterly Base Charge	11.63%	10.96%	5.81%	5.99%	5.90%	5.90%	5.91%	5.91%	5.91%	5.91%
											Quarterly Billing Charge	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
											Flow Charge	4.46%	4.12%	5.81%	5.90%	5.90%	5.90%	5.90%	5.90%	5.90%	5.90%
Weighted Increase - Effective	6.2%	5.9%	5.9%	5.5%	5.3%	1.3%	0.0%	0.0%	0.0%	0.0%	Weighted Increase - Effective	N/A	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%
Weighted Increase - Annualized	6.2%	5.8%	5.9%	5.3%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	Weighted Increase - Annualized	N/A	5.8%	5.9%	5.9%	5.9%	5.9%	5.9%	6.0%	5.9%	5.9%
Adopted Rates:											Proposed Rates:										
Quarterly Base Charge	\$ 44.81 \$	49.73 \$	52.62 \$	55.41 \$	58.35 \$	58.35 \$	58.35 \$	58.35 \$	58.35 \$	58.35	Quarterly Base Charge	\$44.81	\$49.73	\$52.62	\$55.78	\$59.08	\$62.57	\$66.27	\$70.19	\$74.34	\$78.74
Quarterly Billing Charge	\$ 0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$		Quarterly Billing Charge	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Flow Charge	\$ 8.46 \$	8.81 \$	9.33 \$	9.83 \$	10.35 \$	10.35 \$	10.35 \$	10.35 \$	10.35 \$	10.35	Flow Charge	\$8.46	\$8.81	\$9.33	\$9.88	\$10.46	\$11.08	\$11.74	\$12.44	\$13.18	\$13.96
Quarterly Bill	\$ 197.09 \$	208.31 \$	220.56 \$	232.35 \$	244.65 \$	244.65 \$	244.65 \$	244.65 \$	244.65 \$	244.65	Quarterly Bill	\$ 197.09 \$	208.31 \$	220.56 \$	233.62 \$	247.36 \$	262.01 \$	277.59 \$	294.11 \$	311.58 \$	330.02
Change - Quarterly (18kgal)	s	11.22 \$	12.25 \$	11.79 \$	12.30 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00	Change - Quarterly (18kgal)	\$	11.22 \$	12.25 \$	13.06 \$	13.74 \$	14.65 \$	15.58 \$	16.52 \$	17.47 \$	18.44
Change - Monthly (6kgal)	s	3.74 \$	4.08 \$	3.93 \$	4.10 \$	0.00 \$	0.00 \$	0.00 \$	0.00 \$	0.00	Change - Monthly (6kgal)	S	3.74 \$	4.08 \$	4.35 \$	4.58 \$	4.88 S	5.19 \$	5.51 \$	5.82 \$	6.15





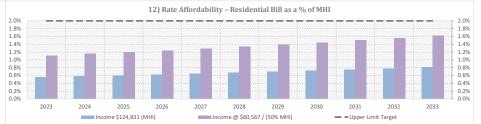


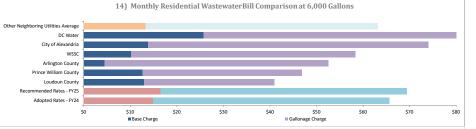




10) All-In Debt Service Coverage Ratio (Net Revenue / Annual Debt Service)







16) Proposed Retail Rate Revenue. Fixed vs Variable (%) 100% 90% 80% 70% 75.6% 74.4% 74.2% 74.2% 74.2% 74.2% 74.2% 74.2% 74.2% 74.2% 60% 50% 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 Flow Charge Revenue Fixed Charge Revenue