



**GWA RESOLUTION NO. 11-FY2024**

**RELATIVE TO APPROVING THE FIVE-YEAR FINANCIAL PLAN AND CAPITAL  
IMPROVEMENT PROGRAM**

**WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority (“GWA”); and

**WHEREAS**, the Guam Waterworks Authority (“GWA”) is a Guam Public Corporation established and existing under the laws of Guam; and

**WHEREAS**, the September 28, 2023, Public Utility Commission (PUC) Docket 19-05 Order for Annual True-Up for FY2024 Rate ordering provision 4, required GWA to “*file its next multi-year rate plan on or before April 1, 2024*”; and

**WHEREAS**, Public Law 26-26, Ratepayers’ Bill of Rights, requires GWA to publish a public notice of any proposed rate increase in a newspaper of general circulation at least three (3) months before submitting the proposed rate increase to the PUC; and

**WHEREAS**, Public Law 26-26, Ratepayers’ Bill of Rights, also requires GWA to mail a notice to every ratepayer at least one (1) month before submitting the proposed rate increase to the PUC; and

**WHEREAS**, at GWA’s request, on December 19, 2023, the PUC modified its earlier Order to allow GWA to file an advance petition on or before March 4, 2024, and its final multi-year rate plan on or before June 3, 2024; and

**WHEREAS**, Guam Waterworks authority has prepared its fourth consecutive Five-Year Financial Plan (“Financial Plan”) for Fiscal Year (FY) 2025 to FY2029; and

1           **WHEREAS**, GWA’s Financial Plan addresses the FY2025 to FY2029 estimated annual  
2 budgets and capital improvement projects to provide for the continued modernization, operation,  
3 maintenance, and repair of GWA's water and wastewater systems; and  
4

5           **WHEREAS**, GWA requires sufficient revenues to meet projected costs driven primarily  
6 by obligatory investments for system reliability, federal regulatory compliance, the 2011 Federal  
7 Court Order, and the 2024 US EPA Partial Consent Decree which must concurrently meet rate  
8 covenants delineated in GWA’s bond indenture; and, must address CCU and PUC debt service  
9 coverage policies along with credit rating considerations; and  
10

11           **WHEREAS**, a narrative summary of the Financial Plan is provided as Attachment A with  
12 highlights that include:

- 13           1. Non-lifeline water and wastewater rate increases (developed using a cash basis  
14 analysis) of 29% in FY2025, 12.5% in FY2026, 10% in FY2027, 10% in FY2028 and  
15 10% in FY2029 and a lifeline rate increase of 12.5% in FY 2026. These rate increases  
16 are to fund operating expenses and other costs subject to inflationary pressures, to pay  
17 for current and future debt service, and enable limited internal financing of capital  
18 requirements, (See Attachment B and Schedule A-2 of Attachment C, Historical and  
19 Forecasted Operating Results, Proposed Rates, for the 5-Year Rate Table);
- 20           2. Surcharges, adjusted to cover projected retirees costs, of 3.5% in FY2025, 3.2% in  
21 FY2026, and 3.0% in FY2027 through FY2029;
- 22           3. Full funding of cash reserves required under the Bond Indenture and CCU Policy;
- 23           4. Gradual increasing of the current 1.3x debt service coverage to the previous PUC/CCU  
24 target of 1.5x over the period of the Financial Plan to effect prudent financial  
25 management, risk mitigation, and strategic alignment of the Authority’s debt  
26 obligations with growth and capital plans;
- 27           5. Rebuilding of the Rate Stabilization Fund (RSF) with planned transfers in of ten million  
28 (\$10,000,000) over the five-year period. The RSF will be used to fund expenses  
29 associated with unexpected events or, during uncertain times, declining revenues and  
30 increasing expenses. RSF replenishment may create opportunities to enhance

1 investment grade status for GWA bonds and thereby improve terms and conditions and  
2 related costs of GWA debt offerings;

- 3 6. Continuing efforts to reduce water losses through completion of planned district  
4 metered area installations and conduct of aggressive leak detection and repair efforts.  
5 GWA's programmatic approach will require additional line detection staffing and  
6 prioritizing of line replacement projects;
- 7 7. Funding of capital improvement projects with current revenues of approximately One  
8 Hundred and Fifteen Million (\$115,000,000) to reduce GWA's reliance on debt  
9 financing and balance GWA's capital structure. IFCIP financing will thereby reduce  
10 costs to consumers by reducing interest and other costs associated with debt financing;
- 11 8. Issuing an estimated seven hundred eighty million dollars (\$780,000,000) of new  
12 money debt instruments (without capitalizing interest) to fund much needed capital  
13 improvement projects;
- 14 9. Alternatives to address water affordability to reduce the proposed rates presented in  
15 Attachment B (referenced above) and Schedule A-2 (referenced below); and  
16

17 **WHEREAS**, the Rate Application Model (RAM) has been used to generate schedules  
18 listed in Public Utility Commission Minimum Filing Requirements (MFR) as well as additional  
19 schedules to help inform reviewers of the Financial Plan; these schedules being provided in  
20 Attachment C and which include:  
21

<b>Schedule</b>	<b>Description</b>
Schedule A-1	Historical and Forecasting Operating Results, Existing Rates
Schedule A-2	Historical and Forecasting Operating Results, Proposed Rates
Schedule A-3	Historical and Forecasting Operating Results, Commercial Paper
Schedule B	Rate Revenues & Billing Determinants by Class
Schedules C	Budgeted Operating Expense
Schedule D*	Navy Water Purchases

Schedule	Description
Schedule E*	Sources & Uses of Funds, Capital Improvement Program
Schedule F	Debt Service & Other Financing Charges
Schedules G*	Capital Improvement Projects
Schedule H	Other Revenues, Interest Revenues & Revenue Adjustments
Schedule I	Other Cash Flow Items
Schedules J	Proof of System Revenues
Schedule K	Proposed Rate Adjustments
Schedule L*	Bill Impacts by Customer Class

\* Schedules in addition to the MFR

and **WHEREAS**, a sample bill summary is provided as Attachment D and below, and is a summary of sample bill increases based on average monthly consumption for each customer class based solely on Schedule A-2 from Attachment C:

Customer Class	Base Bill	Nominal Change				
	FY24	FY25	FY26	FY27	FY28	FY29
Residential 3 Kgals	\$74.45	\$9.10	\$10.32	\$4.50	\$5.03	\$5.54
Commercial 1 30 Kgals	\$844.91	\$242.11	\$132.78	\$119.89	\$134.20	\$147.62
Commercial 2 500 Kgals	\$19,584.37	\$5,609.72	\$3,073.05	\$2,773.98	\$3,107.93	\$3,419.14
Commercial 3 50 Kgals	\$2,373.51	\$679.84	\$372.42	\$335.78	\$376.45	\$414.15
Hotel 500 Kgals	\$19,695.58	\$5,641.56	\$3,090.47	\$2,789.69	\$3,125.55	\$3,438.51
Government 200 Kgals	\$6,191.52	\$1,775.00	\$972.42	\$877.68	\$984.01	\$1,082.58
Irrigation 20 Kgals	\$151.53	\$43.42	\$23.76	\$21.52	\$24.03	\$26.57
Agriculture 20 Kgals	\$156.76	\$44.96	\$24.74	\$22.27	\$25.02	\$27.38

and **WHEREAS**, the Financial Plan will fund the Five-Year Capital Improvement Program attached hereto as Attachment E, which includes but is not limited to:

a. Water Production and Treatment

- i. Well rehabilitation, repair, and equipment replacement.
- ii. Ugum Water Treatment Plant upgrades.

- 1           iii. Emerging contaminants removal projects including evaluation, design, and
- 2           treatment plant construction with related transmission mains and booster
- 3           stations
- 4       b. Water Distribution and Storage
- 5           i. Water main renovation and replacement
- 6           ii. Water storage tank replacements and rehabilitation including four new projects
- 7       c. Sewer Collection Main and Force Main
- 8           i. Replacement and rehabilitation of gravity sewer main (with additional areas
- 9           identified by the model update).
- 10          ii. Assessment, replacement, and rehabilitation of pressurized force main.
- 11       d. Sewage Lift Stations
- 12           i. Rehabilitation/Replacement of sewage pumping stations.
- 13       e. Wastewater Treatment
- 14           i. Planning for upgrade of the Hagatna Wastewater Treatment Plant.
- 15       f. Electrical and Control
- 16           i. Implementation of SCADA (Supervisory Control and Data Acquisition)
- 17           equipment installation and activation.
- 18           ii. Information Technology improvements.
- 19       g. General Plant and Miscellaneous
- 20           i. Erection of a Fleet Maintenance Facility.
- 21           ii. GWA warehouse and test bench.
- 22           iii. Replacement of mobile equipment and light fleet vehicles.
- 23           iv. District water meter area implementation.
- 24           v. Master meter implementation and service meter replacement.
- 25           vi. Hydrant maintenance and replacement.
- 26           vii. Wastewater model update.
- 27           viii. Miscellaneous wastewater system improvements.
- 28           ix. General engineering systems planning; and

29           **WHEREAS**, while there is concurrence that the Capital Improvement Program as detailed  
30 at Attachment E and bulleted above is necessary and justified, the CCU and GWA remain  
31 concerned about water affordability;

1           **WHEREAS**, four percent (4%) of Median Household Income (MHI) is generally used by  
2 the US Environmental Protection Agency as an indicator of whether a combined water and  
3 wastewater bill is affordable; the projected FY2025 water and wastewater bill is 2.44% of MHI  
4 and the projected FY2029 water and wastewater bill is 3.10% of MHI, both below 4% of MHI;  
5 and  
6

7           **WHEREAS**, although GWA Management petitioned the PUC to address water  
8 affordability and introduced a Customer Assistance Program presented in 2021 as part of GWA's  
9 FY2020-FY2024 Five-Year Financial Plan, the PUC deferred action and recommended  
10 Legislative concurrence and authorization; and  
11

12           **WHEREAS**, as the cumulative rate increases proposed at Attachment B (and Schedule A-  
13 2, Attachment C) is 71.5% for FY2025-FY2029 the CCU directed GWA Management to evaluate  
14 other means to address water affordability, including alternative financing strategies to reduce rate  
15 increases over the proposed 5-year planning period; and  
16

17           **WHEREAS**, to imminently address water affordability, GWA Management completed an  
18 analysis and modelling to project alternative rate increases for FY2025-FY2029 that could be  
19 implemented if GWA's tax-exempt commercial paper (TECP) or other short term construction  
20 financing alternatives were made available to GWA; and  
21

22           **WHEREAS**, such modelling and projections as shown in Schedule A-3, included in  
23 Attachment C, indicate that total rate increases over the 5-year period with TECP or other short  
24 term debt financing instruments would be cumulatively reduced by 21.5%, from 71.5% in the  
25 proposed 5-Year Financial Plan, to 50% under this alternative scenario; and  
26

27           **WHEREAS**, GWA Management has provided draft legislation to authorize a TECP  
28 program to its legislative oversight chairperson in 2021 but has not been successful in advancing  
29 the legislation; and  
30

31 //

32 //



1           **WHEREAS**, a revision of the draft legislation was submitted again in early 2024 and  
2 GWA intends to continue coordination to advance the legislation and attain approval as soon as  
3 possible; and  
4

5           **WHEREAS**, the use of this alternative short term construction financing will allow GWA  
6 to realize significant savings over conventional financing mechanisms which have been employed  
7 to date realizing savings towards a reduced interest on smaller principal amounts at the front end  
8 of the financing period and creating savings over the long-term resulting in the elimination of  
9 traditional 2-years of capitalized interest; and  
10

11           **WHEREAS**, GWA will conduct a comprehensive public information campaign which will  
12 comply with notification requirements in the Ratepayers Bill of Rights and include presentations  
13 to the public via village meetings, the Mayor’s Council, the legislature, and community and civic  
14 groups, as well as media interviews, social media, posting to the GWA website, and ratepayer  
15 billing inserts so that the plan and all alternatives can be evaluated and commented on by the  
16 public; and  
17

18           **WHEREAS**, GWA plans to submit an advance draft of the FY2025-FY2029 Financial  
19 Plan and Capital Improvement Program and rate application (Rate Package) to the PUC on or  
20 about March 4, 2024, and, after the required Rate Payers Bill of Rights notice, file the final Rate  
21 Package on or before June 3; 2024; and  
22

23           **WHEREAS**, having reviewed and analyzed the plans, the CCU finds the Financial Plan is  
24 ready for approval and the CCU will authorize GWA management to provide an advance draft of  
25 the Financial Plan to the Public Utilities Commission (PUC), commence the public notice  
26 requirements as required in the Ratepayers Bill of Rights contained in the Guam Code Annotated,  
27 and formally submit to the PUC, once the requirements of the Ratepayers Bill of Rights have been  
28 met, the Rate Package.

29 //

31 //

1           **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
2 does hereby approve and authorize the following:

- 3           1. The recitals set forth above hereby constitute the findings of the CCU.
- 4           2. The CCU hereby approves the Financial Plan for FY2025-FY2029 which  
5 includes non-lifeline water and wastewater rate increases of 29% in FY2025,  
6 12.5% in FY2026, 10% in FY2027, 10% in FY2028 and 10% in FY2029 and a  
7 lifeline rate increase of 12.5% in FY2026 to support approximately:
  - 8           a. \$780 million of new debt financing;
  - 9           b. \$115 million of internally fund CIP; ’
  - 10           c. Maintained cash reserves required under the bond indenture;
  - 11           d. Rebuild of the Rate Stabilization Fund with transfers in of \$10 million;
  - 12           e. Gradually increased debt service coverage ratio from 1.3x to 1.5x;
  - 13           f. Continued efforts to reduce water losses; and
  - 14           g. Increased legislative surcharges of 3.5% in FY2025, 3.2% in FY2026,  
15 and 3.0% in FY2027 through FY2029 to cover retiree expenses.
- 16           3. The CCU hereby authorizes GWA management to submit an advance draft of  
17 the Rate Package to the PUC, commence a public outreach program, and  
18 comply with the public notice requirements contained in the Ratepayers Bill of  
19 Rights.
- 20           4. The CCU hereby further authorizes the management of GWA to engage the  
21 PUC in discussions regarding the advance submission as needed, and to  
22 formally submit the FY2025-FY2029 Rate Package to the PUC after meeting  
23 public notice requirements contained in the Ratepayers Bill of Rights.
- 24           5. Notwithstanding the CCU’s approval in support of the above plan and the  
25 anticipated filings of the PUC, GWA is required to concurrently continue  
26 coordination and show efforts to advance legislative approvals on its tax-  
27 exempt commercial paper or similar short term construction financing  
28 legislation as the predicted savings at Schedule A-3 confirm alternatives to  
29 imminently reduce cumulative rate increases over the 5-year planning period.

30 //

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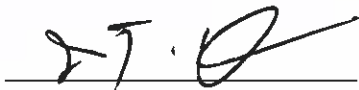


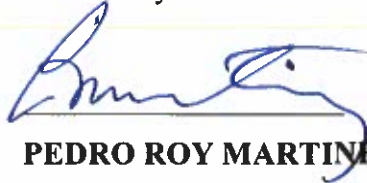
1 **RESOLVED**, that the Chairman certified, and the Board Secretary attests to the adoption  
2 of this Resolution.  
3

4 **DULY AND REGULARLY ADOPTED**, this 4<sup>th</sup> day of March 2024.

5  
6 Certified by:

Attested by:

7   
8 \_\_\_\_\_

  
\_\_\_\_\_

9 **JOSEPH T. DUENAS**  
10 Chairperson

**PEDRO ROY MARTINEZ**  
Secretary

11  
12 **SECRETARY'S CERTIFICATE**

13  
14 I, Pedro Roy Martinez, Board Secretary of the Consolidated Commission on  
15 Utilities as evidenced by my signature above do hereby certify as follows:

16 The foregoing is a full, true, and accurate copy of the resolution duly adopted at a  
17 regular meeting by the members of the Guam Consolidated Commission on Utilities, duly  
18 and legally held at a place properly noticed and advertised at which meeting a quorum was  
19 present and the members who were present voted as follows:  
20

21 AYES: \_\_\_\_\_ 5  
22 NAYS: \_\_\_\_\_ 0  
23 ABSENT: \_\_\_\_\_ 0  
24 ABSTAIN: \_\_\_\_\_ 0



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**GUAM WATERWORKS  
AUTHORITY**  
**Five-Year Financial Plan**

FY2025-FY2029

## Table of Contents

Introduction .....	2
Financial Plan Overview .....	2
Rate Increase Drivers .....	3
Proposed Rate Increases .....	3
Affordability .....	4
Revenue and Demand Assumptions .....	5
Operating and Maintenance Budget.....	5
Utilities .....	5
Staffing and Salaries and Benefits.....	5
Administrative and General Expenses.....	6
Contractual Expenses.....	8
Retiree Expenses .....	8
Five-Year Capital Improvement Program .....	8
Other Financial Assumptions and Considerations .....	10
CIP Funding Sources .....	10
Debt Service and Debt Service Coverage .....	11
Summary and Conclusions.....	12

## Introduction

The Guam Waterworks Authority (GWA, Authority) has prepared its fourth consecutive five-year financial plan for consideration by the Consolidated Commission on Utilities (CCU) and the Public Utilities Commission (PUC). The plan supports the continued improvement of the operations and maintenance of the Authority, invests in critical infrastructure, and enhances GWA's financial stability while ensuring just and reasonable rates. The development of this 5-year Financial Plan has considered the effects of various operational and regulatory issues which determine the revenue requirements of the Authority. These issues include:

- challenges with staff recruitment and retention,
- requirements of the recently filed Complaint and Partial Consent Decree in U.S. District Court,
- new federal and local regulations on emerging contaminants such as PFAS and Dieldrin,
- protection of the Northern Guam Lens Aquifer (NGLA),
- continued implementation of the Authority's Water Loss, and
- execution of significant capital improvement program in light of the military buildup.

GWA's revenue requirements are also influenced by its financial position resulting from adjudication of the FY2024 True-Up. The PUC's FY2024 Order established rate levels that did not provide for replenishment of Rate Stabilization Fund (RSF) reserves that proved critical for avoiding technical default in FY2023 and continued to target debt service coverage below the prescribed minimum dictated by (temporarily suspended) CCU and PUC policy.

This narrative is meant to supplement the exhibits marked as **Attachments A, B, C, D, and E** provided to the CCU in Resolution 11-FY2024 *Relative to Approving the Five-Year Financial Plan and Capital Improvement Program* (Resolution 11-2024) and not replicate them. Where appropriate, references to the individual Attachments are made.

## Financial Plan Overview

GWA's 2018 Water Resource Master Plan laid out a strategic financial planning approach which provided a steady path of sustainable rate increases to cover operations and maintenance expenses in an attempt to achieve a balance between debt and revenue financing of the needed capital improvement program.

The economic impacts of the global pandemic, geopolitical conflicts on oil, energy and manufacturing costs, and localized labor availability on the costs of construction have all had appreciable effects on the operating expenses of the Authority and its ability to fund an expanding capital improvement program in line with that long-term balanced financial strategy. PUC rate relief granted with FY2023 rates, and with the FY2024 annual true-up has not remedied GWA's difficult financial position. It began FY2024 with less than \$1M in RSF funds and with debt service coverage (temporarily) below minimums prescribed by CCU and PUC policy.

Resolution 11-2024 Attachment B *Historical and Forecasted Operating Results, Proposed Rates* provides an overview of the Five-Year Financial Plan while Attachment C *Rate Application Schedules* provides related details.

## Rate Increase Drivers

As discussed further below, the principal drivers of GWA's requested rate relief are three-fold. First, GWA absorbed (high) inflationary trends across most of its Operational and Maintenance (O&M) expense categories and has been unable to address necessary O&M spending. Its forecasted O&M expenses account for inflationary impacts, staff recruitment and retention, and mandated expenses for insurance and retiree benefits. Second, GWA's rates will enable financing of capital spending mandated by regulatory requirements or required to sustain GWA's critical Water Loss Control program. Absent the (still pending) availability of short-term construction period financing, debt service expenses are projected to increase nearly 120% -- representing the largest single cost component increase forecasted. Third, GWA's plan is structured to improve debt service coverage and liquidity metrics to gradually move from the financial precipice where debt service coverage levels marginally exceed covenanted requirements and available reserves have been depleted. It has planned for gradual restoration of the RSF (to levels still below those available pre-pandemic) and improvement of debt service coverage (also to levels still below those pre-pandemic) while continuing to maintain prescribed operating liquidity (e.g., Days Cash on Hand) metrics and Debt Service Reserve Fund targets.

## Proposed Rate Increases

Rate increases over the next five years are necessary to meet revenue requirements that include the forecasted operations and maintenance expenses, debt service payments, and internally financed capital; maintain required cash reserves; and replenish GWA's Rate Stabilization Fund (RSF).

Fiscal Year	Non-Lifeline Rate Increase	Lifeline Rate Increase
<b>FY2025</b>	29.0%	
<b>FY2026</b>	12.5%	12.5%
<b>FY2027</b>	10.0%	
<b>FY2028</b>	10.0%	
<b>FY2029</b>	10.0%	
<b>Cumulative</b>	71.5%	12.5%
<b>Compounded</b>	93.2%	12.5%

Legislative surcharges will be applied to the non-lifeline charges and are used to cover post-retirement benefit costs such as supplemental annuities, medical and dental insurance, life insurance, and cost of living allowances.

Fiscal Year	Legislative Surcharge
<b>FY2025</b>	3.5%
<b>FY2026</b>	3.2%
<b>FY2027</b>	3.0%
<b>FY2028</b>	3.0%
<b>FY2029</b>	3.0%

See Resolution 11-2024 Attachment C *Rate Application Schedules* Schedule K *Proposed Rate Adjustments* and Attachment D *Sample Bill Summary* for details by customer class.

Guam Waterworks Authority  
Five-Year Financial Plan, FY2025-FY2029

Also provided in Attachment C is Schedule A-1, which shows projected results without a rate increase but with the same level of expenditure, cash reserves, and financing. In this situation, debt service coverage would go below the bond indenture required 1.25x and there would be large negative outflows of cash.

Attachment C, Schedule A-3 projects results if the Tax-Exempt Commercial Paper Program or a similar short term financing vehicle was authorized by the legislature and put in place. The short-term financing has the capacity to reduce debt service as only interest would be paid on funds borrowed through the short-term financing only as needed to pay capital project construction costs as invoiced in the earlier years. Eventually the short-term debt would be taken out with a Revenue Bond, at which time capital and interest payments would be made. Under this scenario, rate increases to support the capital program and GWA operations would be:

Fiscal Year	Non-Lifeline Rate Increase	Lifeline Rate Increase
<b>FY2025</b>	17.0%	
<b>FY2026</b>	6.0%	6.0%
<b>FY2027</b>	6.0%	
<b>FY2028</b>	6.0%	
<b>FY2029</b>	15.0%	
<b>Cumulative</b>	50.0%	6.0%
<b>Compounded</b>	60.3%	6.0%

Taking advantage of short-term financing would reduce the rate increases needed to fund short term debt-financing of the capital program and defer long-term debt service for take-out bonds until later in the 5-year period. Draft legislation has been submitted to give GWA authorization to so implement such a cost-saving program but as of the date of this writing, the legislation has not been introduced.

## Affordability

Affordability is always top of mind as GWA develops its financial plans. In the FY2020-FY2024 Five Year Financial Plan, GWA proposed a Customer Assistance Program (CAP) that would address certain affordability issues for low-income families. However, the PUC deferred implementation of the CAP until legislative authorization to implement the program is received.

Below is a table showing residential sample bills as a percentage of Median Household Income (MHI), a common measure of affordability used by US EPA in assessing the burden of regulatory enforcement actions. One conventional measure of affordability of a combined water and wastewater bill is whether it is at or below 4% of MHI.

Fiscal Year	Median Household Income	Monthly Residential $\frac{3}{4}$ inch; 7 Kgals	Annual Residential $\frac{3}{4}$ inch; 7 Kgals	Percent of Median Income
<b>FY2025</b>	\$63,736	\$129.51	\$1,554.12	2.44%
<b>FY2026</b>	\$64,692	\$145.47	\$1,745.64	2.70%
<b>FY2027</b>	\$65,662	\$154.24	\$1,850.88	2.82%
<b>FY2028</b>	\$66,647	\$164.08	\$1,968.96	2.95%
<b>FY2029</b>	\$67,647	\$174.92	\$2,099.04	3.10%



Per the Census Bureau, the 2019 MHI in Guam as determined by the 2020 Census was \$58,289. The table above assumes a 1.5% growth in MHI year over year.

## Revenue and Demand Assumptions

Forecasted revenues reflect application of GWA's proposed volumetric rates and base charges to forecasted numbers of meters by size and billable volumes across each of GWA's customer classes. These billing determinant forecasts reflect extensive analysis of historical billing data, price elasticity factors, and adjustments for general trends in water usage. Annual increases in rates and charges are assumed to be applied uniformly across base charges and volumetric rates, and across water and wastewater systems except the lifeline rates proposed to be increased only in FY2026 by the same percentage as that applicable to non-lifeline rates. Application of rate increases by base charge and rate components may be altered with the PUC's pending decision on GWA's Rate Design Petition.

See Schedules B *Rate Revenue and Billing Determinates by Class* of Resolution 11-FY2024 Attachment C *Rate Application Schedules* for more details.

## Operating and Maintenance Budget

As Guam Waterworks Authority business units prepared their requests to meet operational needs over the next 5 years, there was a laundry list of factors to consider: the economy, recruitment and retention challenges, ongoing recovery from the pandemic and Typhoon Mawar, new regulatory requirements, and unstable fuel costs, all of which GWA continues to balance in its day-to-day activities.

These considerations were built into the assumptions used when funding requirements for this 5-Year Rate Period were compiled. Schedules C-1 *Operating Expense by Cost Category* and C-2 *Budgeted Operating Expense by Object Class* of Resolution 11-FY2024 Attachment C *Rate Application Schedules* provides tables of the Operating and Maintenance Budget.

## Utilities

**Power Purchases.** For the next 5 years, GWA projects annual consumption at 61 million kilowatt-hours (kwh) for all facilities and an aggregate average cost (agency-wide) of \$.42/kwh for FY2025 and \$.39/kwh for FY2026 moving forward. Projected consumption is based on actual consumption over the past 3 years; that level of consumption is maintained over the five-year period. GWA has maintained these projected rates for planning purposes and will monitor for efficiencies upon operation of the new Ukudu power plant slated in FY2026.

**Water Purchases.** Expenses for water purchases from the Navy are forecast based on projected FY2025 water demands of 550,000 kilo-gallons (kGal) and a rate of \$11/kGal and projected billable sewer flows of 15,000 KGal at a rate of \$31/kGals. Forecasted Navy water purchase expenses throughout the five-year period are based on the same service rates with reductions in consumption levels and billable flows projected in FY2026 through FY2029 due to efforts to reduce water loss through line replacements, district-metered areas, and an aggressive leak prevention program. The opening of Camp Blas may introduce a water exchange agreement.

## Staffing and Salaries and Benefits

**FTE levels.** GWA proposes to keep its 400 FTE authorization level for FY2025 and FY2026, increasing to 410 FTEs for the remaining three years. While GWA has been working to improve its ability to quickly

fill vacancies, employees have been exiting as vacancies are filled. Departures are largely for opportunities with the federal government, federal contractors, or employment off-island, often featuring improved compensation.

As of January 2024, GWA had 360 active employees, 28 announced recruitments and 22 vacancies. Many of the vacancies are in the operations, engineering, and compliance areas where certifications or specialized education or training may be required and where there is competition for similar positions in the federal government or with federal contractors. Flexibility in recruitment within authorized budget levels is necessary for GWA management to prioritize staffing areas of critical need as changes occur in staff levels through normal attrition.

*Salary migration.* As noted above, GWA is finding it increasingly difficult to recruit and retain skilled employees due to better opportunities, pay, and benefits elsewhere. GWA plans to implement updates to its Compensation Plan based on an external 2022 market study of industry salaries. This plan involves migrating employee salaries up the 50<sup>th</sup> market percentile over the next 5 years:

- FY2025 funds migration to the 30th percentile;
- FY2026 funds migration to the 35th percentile;
- FY2027 funds migration to the 40th percentile;
- FY2028 t funds migration to the 45th percentile; and
- FY2029 funds migration to the 50<sup>th</sup> percentile.

The migration costs would be inclusive of annual pay for performance adjustments. The salary migration will cost about \$3.5 million in salaries over the next 5-years and will help to recruit and retain its most valuable asset, GWA employees. For certain positions, such as engineers, leak detection and sewer cleaning technicians, GWA anticipates that salary migration will enable the recruitment and retention of staff to do work that would otherwise be contracted out at higher costs.

*Premium Pay.* Premium pay provides a budget for overtime based on 6% of salaries; night differential at 1% of salaries and holiday work at 2% of salaries. Premium pay is required to address emergencies as well as cover for vacancies and regularly scheduled shift work.

*Benefits.* The recent announcement of the government's self-insurance program resulted in an increase in the government's share of costs for medical and dental benefits. For FY2025, GWA budgeted benefits at the current average per enrollee for all employees. It has been reported that the government share is not expected to increase and may even decrease over time. With that in mind, GWA maintained rates for life, medical, and dental coverage for all employees. Retirement is calculated at 29% of base salary.

### Administrative and General Expenses

In comparison to the FY2024 approved budget levels, Administrative and General expenses categories reflect a 38% increase in FY2025 and then provide for inflationary adjustments for individual line-item categories in the ensuing fiscal periods. Inflationary adjustments for individual line-item categories are, in general, based on recent experience, market dynamics, and forecasted operational considerations.

*Sludge Removal.* Sludge removal is the expense of taking the sludge from the Wastewater Treatment Plants to the landfill. This also includes the landfill charges. FY2024 budget in this category is underfunded; projected expenditures in this category have been returned to the appropriate levels and adjusted for inflation.

*Chemicals.* In combination with price increases for the cost of various chemicals, GWA must now purchase greater quantities of chemicals to address both water and wastewater services. Additional water wells will require the use of granular activated carbon (GAC) to address growing concerns over the levels of contaminants (PFAS and Dieldrin) found in certain areas. Additionally, GWA must replace the GAC vessels more frequently than initially planned. GAC costs in the first year are projected at \$1.4 million in comparison to FY2024's planned \$70,000 budget.

New polymer options are also being studied for application at the Northern and Agat-Santa Rita treatment plants to reduce the volume of chemical application required by the product currently in use at all plants. On the collection side of wastewater, GWA is scheduled to expand dosing applications of treatment additives aimed at reducing the level of fats, oil, and grease, which in turn help in reducing system blockages and overflows.

*Materials & Supplies.* This category of expense includes materials and supplies needed for critical operations, compliance, and safety activities, and for office work. Many of these items are parts needed to repair and maintain equipment located throughout GWA. A 6% percent escalation rate was applied to this category.

*Transportation.* Fuel and lubricants and vehicle parts are included in this cost category. Parts and materials to repair tires, heavy equipment, and vehicles are also part of this expense. Also included is vehicle tracking software which monitors vehicle location, vehicle speeds and idling time. A ten percent inflation rate was applied to this category.

*Communications.* Communications includes internet and phones. As GWA outfits its operations staff with mobile tools to improve Asset Management and expands connectivity to facilitate implementation of SCADA throughout its facilities and equipment sites, this expense will grow and then level off.

*Claims.* Claims include damage to cable lines and private or government property that may occur as part of repair work. Claims from sewage overflows are also covered in this category as is Workman's Compensation.

*Insurance.* GWA's existing contract for insurance coverage will run through FY2026 holding the same \$1.9 million annual premium. GWA assumes a nominal 3% inflationary increase moving forward for each of the remaining 3 years. As the insurance market tightens, and with the advent of the recent typhoon and related claims, it is uncertain if insurance costs can be maintained.

*Training & Travel.* Investing in our employees through training helps build a knowledgeable and skill-based staff. With the easing of pandemic related restrictions, GWA plans to take advantage of the opportunities to network with industry peers, become exposed to new developments in the industry, and become more familiar with best practices. Such interaction and professional development improve operational performance and contribute to employee retention.

*Advertising.* Print ads, social media and the GWA website are included in this cost category.

*Miscellaneous Expenses.* Miscellaneous expenses include bank charges and fees expenses related to the Consolidated Commissions on Utilities (CCU), postage, subscriptions, government fees, and certain employee related expenses.

## Guam Waterworks Authority Five-Year Financial Plan, FY2025-FY2029

*Regulatory Expense.* The category includes payments to the Public Utilities Commission for their annual assessment and GWA related costs.

*Provisions for Bad Debt.* The Bad Debt expense provision is two percent (2%) of Operating Revenues. Bad Debt is netted from Revenues and, therefore, is not included in the Administrative and General Expenses totals.

### Contractual Expenses

Compared to FY2024. Contractual expenses are expected to grow almost 32% in FY2025, in part due to regulatory and compliance requirements and operational support as well as the continuing dependency on computer technology to realize operational efficiencies.

*Audit and Computer Maintenance.* Besides auditing, financial consulting, rating agencies fees, risk management, and well monitoring, a large part of this expense category supports software subscriptions and technical support.

*Building Rental.* This expense category includes lease costs for the Fadian offices as well as storage space.

*Equipment Rental.* Equipment leases are often needed to help support operations and augment the current fleet. This is especially critical for deep well maintenance and repair operations and will be needed to support cleaning and CCTV operations required by the 2024 Consent Decree.

*Legal.* A large part of the legal fees is related to a high-risk and complex land dispute which requires the assistance of contracted counsel and a team of attorneys to litigate. As of early February 2024, the matter remains in the pre-trial phase and no trial date has been set. At this stage of the litigation, continued discovery, additional pre-trial motions, trial, post-trial motions, and an appeal are all likely. No matter what the outcome is at the trial level; this matter is likely to be appealed to Guam's Supreme Court.

*Laboratory.* Much of the lab samples collected are sent to off-island labs for analysis. GWA anticipates that the costs will jump in the first year due to additional testing required for emerging contaminants such as PFAS, and for monitoring treatment system performance as these are installed over the first few years of the planning period. Additionally, GWA is required to monitor its underground tanks and ensure they are not contaminating surrounding areas.

*Other Contractual Expenses.* The majority of this expense category is for the repair and maintenance of equipment that requires specialized skills or equipment. Also included are road restoration, trash pickup, security, janitorial services, drug testing, leak detection, printing and copying, and various permitting requirements.

### Retiree Expenses

Retiree expenses consist of the supplemental annuities for 'old plan' members, medical and dental insurance, life insurance, and cost of living allowances. As mentioned above, the legislative surcharge is designed to fund this cost.

### Five-Year Capital Improvement Program

The FY2025-FY2029 Five-Year Capital Improvement Program (CIP) is a byproduct of the 2024 Interim Water Resources Master Plan Update. It encompasses priority capital improvement projects mandated by the new 2024 Partial Consent Decree, as well as water treatment initiatives aimed at addressing the

Environmental Protection Agency's revised limits on emerging contaminants of concern. Additionally, it includes supplementary projects for water storage tanks and sewer systems, as identified through the water and wastewater system model update. GWA is poised to embark on an ambitious CIP to address system renovation and upgrade requirements. Over the next five (5) years, the program is anticipated to incur substantial capital investments, primarily driven by the simultaneous completion of court-ordered projects, required Partial Consent Decree initiatives, and those projects essential for supporting the military buildup and reducing water loss.

GWA's Capital Improvement Program is organized in four key areas, totaling \$ 898,733,389 over the next five (5) years.

- 1) **Water Projects**—estimated at \$433,680,480 and consisting of the following improvements:
  - UGUM Surface Water Treatment Plant to increase water production, storage, and resiliency.
  - Rehabilitation and repair of existing wells and installation of new wells.
  - Expansion of Santa Rita Springs impoundment to reduce reliance on Navy water.
  - Treatment of water for PFAS and Emerging Contaminants per proposed federal regulations.
  - Replacement of 2-inch pipes water pipes, asbestos-containing water pipes, and other general water pipe sizes.
  - Rehabilitation of booster pumps and valves in the distribution system to improve pressure zone realignment and facilitate implementation of district metering.
  - Replacements of up to 100 fire hydrants.
  
- 2) **Wastewater Projects** – estimated at \$330,461,683 and focused on meeting the requirements of the 2024 Partial Consent Decree:
  - Repair of gravity mains and replacement of up to thirty unique miles of pipe.
  - Upsizing of pipe to accommodate peak weather flows for sewer capacity assurance.
  - Assessment and analysis of force mains and sewer capacity.
  - Rehabilitation and replacement of prioritized force mains.
  - Rehabilitation of prioritized lift stations including Ypao, Hagatna Main, and Mamajanao.
  - Repair, rehabilitation, or replacement of thirty-two (32) sewer pump stations.
  - Installation and maintenance of the Supervisory Control and Data Acquisition (SCADA) system for water and wastewater operations.
  - Improvements to wastewater treatment plants including gravity lines, force mains, and sewer lift/pump stations.
  
- 3) **Electrical, Monitoring and Control Projects**- estimated at \$36,437,196 and focused on continued SCADA implementation:
  - Repair or replacement of control instrumentation as needed at all sites and plants.
  - Specialized SCADA workforce development and training.
  - Standardization of programming language, equipment, and wiring.
  - Utilization of the GPA fiber network, data leased lines, and GPA wireless network.
  - Implementation of additional physical and cyber-security measures.
  
- 4) **General Plant & Miscellaneous Projects** –estimated at \$98,154,030 including but not limited to the following:

Guam Waterworks Authority  
Five-Year Financial Plan, FY2025-FY2029

- Replacement of GWA's vehicle maintenance facility.
- CIP repairs and upgrades to its main water and wastewater systems operations.
- Improvements to the Upper Tumon Customer Campus, including the Customer Service building warehouse complex, Meter Test Facility, and Laboratory mechanical systems upgrade.
- Enhancement of the Geographic Information System.
- Planning for engineering systems such as Hydraulic water and wastewater modeling, project control, and project management systems.
- Replacement of mobile equipment.
- General Plant improvements.
- Implementation of Master Meter systems.

Capital Improvement Program	Total Costs	Percentage
<b>Water Projects</b>	<b>\$433,680,480</b>	<b>48.26%</b>
<i>Water Production</i>	\$ 102,754,617	11.43%
<i>Water Treatment</i>	\$101,884,505	11.34%
<i>Water Distribution</i>	\$203,109,517	22.60%
<i>Water Storage</i>	\$ 25,931,842	2.89%
<b>Wastewater Projects</b>	<b>\$330,461,683</b>	<b>36.77%</b>
Wastewater Collection	\$268,380,943	29.86%
Wastewater Treatment	\$62,080,740	6.91%
<b>Electrical, Monitoring, Control</b>	<b>\$36,437,196</b>	<b>4.05%</b>
<b>General Plan</b>	<b>\$ 98,154,030</b>	<b>10.92%</b>
<b>Total CIP</b>	<b>\$ 898,733,389</b>	<b>100.0%</b>

The FY2025-FY2029 Capital Improvement Program is a key component and cost driver of the Five-Year Financial Plan. A list of the projects in the Five-Year CIP is included in Resolution 11-FY2024 Attachment E.

## Other Financial Assumptions and Considerations

### CIP Funding Sources

GWA has included projected grant funding, systems development charges, revenue funding as well as new revenue bonds to fund investment in infrastructure.

Funding Source	Total Funding	Percentage
<b>US EPA State Revolving Fund</b>	\$89,000,000	8.9%
<b>System Development Charge</b>	3,750,000	.4%
<b>New Revenue Bonds</b>	780,000,000	78.2%
<b>Revenues</b>	115,000,000	11.5%
<b>Funds from Prior Years</b>	9,905,703	1.0%
<b>Funds for Future Years</b>	(98,922,314)	
<b>Total Funding</b>	<b>898,733,389</b>	<b>100.0%</b>



## Guam Waterworks Authority Five-Year Financial Plan, FY2025-FY2029

*US Environmental Protection Agency State Revolving Fund (SRF).* GWA anticipates funding from the SRF, augmented by the federal Infrastructure Investment and Jobs Act, to provide \$27M in CIP funding for FY2025 – FY2027. SRF funding for FY2028-FY2029 is expected to be reduced to \$4M annually as Congress has earmarked much of the funding previously distributed via formulaic allocations to all states and territories for special projects within specific congressional districts.

*System Development Charge.* System Development Charges are restricted to uses for expanding the water and wastewater system and are part of the fees charged for new construction.

*Revenue Bonds.* GWA expects to issue new revenue bonds in FY2025 of \$250M, FY2027 of \$310M, and FY2029 of \$220M and structure levelized debt payments to prevent jumps in debt service that will similarly require a similar increase in rates. GWA continues to work with its legislative oversight chair to introduce legislation that will authorize borrowing through USEPA WIFIA (Water Infrastructure Finance and Innovation Act) loans as well as Tax Exempt Commercial Paper which will reduce borrowing costs and rates needed to support debt service; see Schedule A-3 of Attachment C for projected rate increases assuming the implementation of a TECP or similar short term financing vehicle.

*Internally funded.* Service rates that support capital outlays reduce the amount of financing required by GWA, hence saving ratepayers the cost of interest and other associated expenses. These also allow GWA to fund smaller capital projects (less than \$1 million) that may not qualify for bond funds under the terms defined by GWA's bond indenture.

*Prior and Future Years Rollovers.* It is anticipated that funding received in prior years will help pay for CIPs in future years. Certification of funds must occur at the beginning of the procurement process. Many of the larger infrastructure projects will take two to three years to complete, from design to construction.

See Resolution 11-FY2024 Attachment C *Rate Application Schedules Schedule E Sources and Uses of Funds, Capital Improvement Program* for a summary of the various funding sources by year.

### Debt Service and Debt Service Coverage

Revenue Bonds are a key source of funding for water and wastewater infrastructure. Debt service for FY2025-FY2029 is projected below:

Fiscal Year	Existing Debt	New Debt	Totals
<b>FY2025</b>	\$38,282,565	\$8,242,997	\$46,525,561
<b>FY2026</b>	38,278,065	16,485,993	54,764,058
<b>FY2027</b>	38,276,815	26,707,309	64,984,124
<b>FY2028</b>	39,542,315	36,968,625	76,470,940
<b>FY2029</b>	40,453,165	44,635,627	84,635,627

The anticipated savings from the refunding scheduled in 2024 have been applied to the existing debt totals. Forecasted new debt service reflects a number of key assumptions regarding the structure and terms of GWA's revenue bond offerings. These issues are scheduled in FY2025, FY2027, and FY2029 in par amounts of \$250 million, \$310 million, and \$220 million, respectively. Each 30-year, fixed rate issue is structured with levelized debt service payments (except that the initial year is 50 percent of the annual payment amount - a half-year convention).

Mindful that GWA's credit rating (and thereby future cost of capital) will be significantly impacted by debt service coverage and liquidity metrics, GWA's financial plan contemplates a gradual return of coverage levels (that also enable IFCIP spending) from the 1.3x level permitted temporarily by the PUC's most recent Orders to 1.5x achieved prior to the pandemic and in compliance with CCU and PUC policy. Given the magnitude of GWA's capital program and prospective reliance on debt financing, debt service coverage is, and will continue to be, a principal driver of rate increase requirements (and credit ratings). GWA's financial plan provides for a steady return to coverage levels consistent with investment grade credits, and use of coverage dollars to fund capital projects with revenues. This provides for balancing, to the extent practicable, of GWA's capital structure (e.g., debt/equity ratio).

See Resolution 11-FY2024 Attachment F *Debt Service and Other Financing Charges* for a breakdown of debt service by year by bond.

## Summary and Conclusions

GWA is acutely aware of the potential impacts on customers of its Five-Year Financial Plan and does not seek the requested rate relief lightly. It is simply required to restore GWA's financial integrity, deliver life essential services and fund needed investment / reinvestment in our water and sewer systems. We hope to secure approval of several measures through separate petitions (e.g., TECP (Tax Exempt Commercial Paper) financing, Customer Assistance Program funding, self-insurance) that may mitigate these impacts without simply deferring rate increases and expenses to a later, more expensive, day.

# ATTACHMENT B Five Year Rate Table

Historical and Forecasted Operating Results, Proposed Rates

	Historical Year	Current Year	Forecast Year	Forecast Year	Forecast Year	Forecast Year	Forecast Year
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Non-Lifeline Rate Increase</b>	5.5%	16.7%	29.0%	12.5%	10.0%	10.0%	10.0%
<b>Lifeline Rate Increase</b>	0.0%	16.7%	0.0%	12.5%	0.0%	0.0%	0.0%
<b>CASH SOURCES</b>							
Water Service Revenues	69,672,862	79,688,942	99,819,447	112,310,275	123,419,168	135,679,564	149,279,940
Legislative Surcharge	2,147,271	2,798,810	3,285,020	3,381,323	3,503,935	3,872,428	4,281,117
Water SDC Revenues							
Water Rate Revenues	\$ 71,820,133	\$ 82,487,752	\$ 103,104,467	\$ 115,691,598	\$ 126,923,103	\$ 139,551,992	\$ 153,561,057
Wastewater Rate Revenues	37,478,560	43,590,855	52,669,507	59,711,229	65,178,108	71,378,389	78,326,297
Other Revenues	567,167	515,000	515,000	515,000	515,000	515,000	515,000
Rate Revenue Adjustment	(3,044,250)	(1,760,284)	(2,270,766)	(2,554,612)	(2,810,073)	(3,091,081)	(3,400,189)
Bad Debt Adjustment	(421,467)	(2,262,236)	(3,067,628)	(3,449,987)	(3,771,973)	(4,134,629)	(4,537,933)
<b>Total Operating Revenues<sup>1</sup></b>	<b>\$ 106,400,142</b>	<b>\$ 122,571,087</b>	<b>\$ 150,950,580</b>	<b>\$ 169,913,227</b>	<b>\$ 186,034,165</b>	<b>\$ 204,219,672</b>	<b>\$ 224,464,232</b>
Interest / Investment Income	1,972,141	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Rate Stabilization Transfers Out (In) <sup>2</sup>	18,050,000	-	-	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)
<b>TOTAL SOURCES</b>	<b>\$ 126,422,283</b>	<b>\$ 123,571,087</b>	<b>\$ 151,950,580</b>	<b>\$ 168,413,227</b>	<b>\$ 184,534,165</b>	<b>\$ 202,719,672</b>	<b>\$ 222,964,232</b>
<b>CASH USES</b>							
Power Purchases <sup>3</sup>	24,397,961	21,843,028	25,665,944	23,868,000	23,868,000	23,868,000	23,868,000
Water Purchases	7,038,954	5,900,000	6,515,000	6,251,000	6,207,000	5,756,000	5,756,000
Salaries & Benefits <sup>4</sup>	27,272,268	29,705,247	33,886,181	35,953,228	37,330,583	38,924,275	40,547,721
Admin & General <sup>5</sup>	9,023,292	9,687,858	13,666,252	14,423,571	15,050,682	15,708,195	16,397,982
Contractual Expense	5,575,264	7,464,494	9,516,803	10,049,511	10,305,997	10,077,369	10,334,691
Retiree Expense	3,560,495	3,755,617	4,495,403	4,623,703	4,759,489	4,902,860	5,053,931
O&M Subtotal	\$ 76,868,234	\$ 78,356,244	\$ 93,745,582	\$ 95,169,013	\$ 97,521,750	\$ 99,236,699	\$ 101,958,324
Debt Service	39,036,678	38,762,231	46,525,561	54,764,058	64,984,124	76,470,940	84,635,627
Internally Funded Capital (IFCIP)	2,836,370	8,784,879	15,000,000	20,000,000	20,000,000	25,000,000	35,000,000
<b>TOTAL USES</b>	<b>\$ 118,741,281</b>	<b>\$ 125,903,354</b>	<b>\$ 155,271,144</b>	<b>\$ 169,933,072</b>	<b>\$ 182,505,875</b>	<b>\$ 200,707,639</b>	<b>\$ 221,593,952</b>
<b>Net Annual Cash Flow</b>	<b>\$ 7,681,002</b>	<b>\$ (2,332,267)</b>	<b>\$ (3,320,564)</b>	<b>\$ (1,519,844)</b>	<b>\$ 2,028,290</b>	<b>\$ 2,012,032</b>	<b>\$ 1,370,280</b>
<b>DEBT SERVICE COVERAGE</b>							
Net Revenues	\$ 49,554,049	\$ 45,214,843	\$ 58,204,998	\$ 73,244,214	\$ 87,012,415	\$ 103,482,973	\$ 121,005,908
Adjustment, Capitalized Labor	3,075,928	4,159,140	4,405,203	4,673,920	4,852,976	5,060,156	5,271,204
Adjustment, Other <sup>6</sup>	673,200	715,649	701,500	708,515	715,600	722,756	729,984
Revenues Available for Debt Service	\$ 53,303,177	\$ 50,089,632	\$ 63,311,701	\$ 78,626,649	\$ 92,580,991	\$ 109,265,885	\$ 127,007,095
Total Debt Service	39,036,678	38,762,231	46,525,561	54,764,058	64,984,124	76,470,940	84,635,627
<b>Debt Service Coverage</b>	<b>1.365</b>	<b>1.292</b>	<b>1.361</b>	<b>1.436</b>	<b>1.425</b>	<b>1.429</b>	<b>1.501</b>
<b>Additional Revenue Requirement</b>							
Additional annual revenues needed to meet DSC target of 1.5x			\$ 6,476,641	\$ 3,519,439	\$ 4,895,196	\$ 5,440,526	\$ -
Forecasted EOY operating reserves			\$ 39,413,279	\$ 37,893,435	\$ 39,921,725	\$ 41,933,758	\$ 43,304,038
Minimum reserve requirement, 120 days			\$ 30,820,465	\$ 31,288,443	\$ 32,061,945	\$ 32,625,764	\$ 33,520,545
<b>Total Additional Revenues Needed</b>			<b>\$ 6,476,641</b>	<b>\$ 3,519,439</b>	<b>\$ 4,895,196</b>	<b>\$ 5,440,526</b>	<b>\$ -</b>
Days O&M, EOY Operating Reserves			153	145	149	154	155
<b>OTHER INFORMATION</b>							
SDC Revenues	1,359,167	1,165,000	1,165,000	1,165,000	1,165,000	1,165,000	1,165,000
Depreciation	30,768,912	28,817,076	29,424,588	29,996,235	30,751,472	31,506,554	32,358,124
<b>Net Operating Income</b>	<b>\$ 3,198,092</b>	<b>\$ 20,721,907</b>	<b>\$ 33,350,613</b>	<b>\$ 50,586,899</b>	<b>\$ 63,778,919</b>	<b>\$ 79,701,574</b>	<b>\$ 96,583,987</b>
Non-Operating Revenues (Expenses)	23,907,738	6,195,000	6,195,000	6,195,000	6,195,000	6,195,000	6,195,000
Interest Expense	(28,671,774)	(28,282,065)	(27,735,778)	(27,161,815)	(26,568,065)	(25,944,565)	(25,255,165)
Capital Contributions	13,120,737	27,000,000	27,000,000	27,000,000	27,000,000	4,000,000	4,000,000
<b>Change in Net Position</b>	<b>\$ 11,554,793</b>	<b>\$ 25,634,842</b>	<b>\$ 38,809,836</b>	<b>\$ 56,620,084</b>	<b>\$ 70,405,854</b>	<b>\$ 63,952,009</b>	<b>\$ 81,523,822</b>

1 - Includes leachate and Navy revenues; excludes system development charge revenues

2 - FY 2023 value includes \$12.4 million of ARPA funds which was used to offset debt service coverage requirements

3 - Operational efficiencies related to Ukudu treatment plant are reflected in FY 2026 and beyond

4 - Capitalized labor, which does not represent a cash impact, is not included in this calculation of annual net cash flow

5 - Excludes bad debt expense since this line item is included as an offset to rate revenues (per audited financials)

6 - Includes retiree COLA and end-of-year pension and OPEB adjustments

## Rate Application Schedules

*A list of schedules to meet the PUC's minimum filing requirements*

Schedule	Title	Description
A-1	Historical and Forecasted Operating Results, Existing Rates	Pro forma that forecasts revenues, O&M, and debt service; debt service coverage and cash balances; and other financial metrics under existing rates
A-2	Historical and Forecasted Operating Results, Proposed Rates	Pro forma that forecasts revenues, O&M, and debt service; debt service coverage and cash balances; and other financial metrics under proposed rates
A-3	Historical and Forecasted Operating Results, Commercial Paper	Pro forma that identifies rate adjustments that fully fund the CIP if a Commercial Paper program is approved and available for GWA
B-1	Rate Revenues and Billing Determinants by Class, Forecast Year #1	Presents customer accounts, billed volumes, and rate revenue by component by customer class for the water and wastewater systems for FY 2025
B-2	Rate Revenues and Billing Determinants by Class, Forecast Year #2	Presents customer accounts, billed volumes, and rate revenue by component by customer class for the water and wastewater systems for FY 2026
B-3	Rate Revenues and Billing Determinants by Class, Forecast Year #3	Presents customer accounts, billed volumes, and rate revenue by component by customer class for the water and wastewater systems for FY 2027
B-4	Rate Revenues and Billing Determinants by Class, Forecast Year #4	Presents customer accounts, billed volumes, and rate revenue by component by customer class for the water and wastewater systems for FY 2028
B-5	Rate Revenues and Billing Determinants by Class, Forecast Year #5	Presents customer accounts, billed volumes, and rate revenue by component by customer class for the water and wastewater systems for FY 2029
C-1	Operating Expenses by Major Cost Category	Forecasts of O&M expense by major cost category on a cash basis; includes adjustments to present O&M comparable to GWA's typical budget request
C-2	Budgeted Operating Expense by Object Class	Forecasts of budgeted O&M expense by object class
D	Navy Water Purchases	Detail related to the forecast for GWA's anticipated water purchases (volume and corresponding rate)
E	Sources and Uses of Funds, Capital Improvement Program	Annual CIP encumbrance requirements by project category and matching sources of funds, in nominal terms, across the rate application period
F	Debt Service and Other Financing Charges	Outlines existing debt service obligations, anticipated refunding savings and capitalized interest credits (if relevant), and debt service for new bonds
G-1	Internally Funded Capital Improvement Projects (IFCIP)	Identifies capital projects that GWA may fund with IFCIP transfers (i.e. net operating revenues of the system)
G-2	Externally Funded Capital Improvement Projects (Grants)	Identifies capital projects that GWA may fund with grants from various government agencies
H	Other Revenues, Interest Revenues & Revenue Adjustments	Delineates other revenues by category from both historical and forecast perspective; interest revenues and revenue adjustments are outlined
I	Other Cash Flow Items	Presents historical and forecasted use of, or contributions to, rate stabilization fund reserves; shows receipt of ARPA funds (if relevant)
J-1W	Proof of Water System Revenues, Forecast Year #1	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the water system, FY 2025
J-2W	Proof of Water System Revenues, Forecast Year #2	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the water system, FY 2026
J-3W	Proof of Water System Revenues, Forecast Year #3	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the water system, FY 2027
J-4W	Proof of Water System Revenues, Forecast Year #4	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the water system, FY 2028
J-5W	Proof of Water System Revenues, Forecast Year #5	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the water system, FY 2029
J-1WW	Proof of Wastewater System Revenues, Forecast Year #1	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the wastewater system, FY 2025
J-2WW	Proof of Wastewater System Revenues, Forecast Year #2	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the wastewater system, FY 2026
J-3WW	Proof of Wastewater System Revenues, Forecast Year #3	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the wastewater system, FY 2027
J-4WW	Proof of Wastewater System Revenues, Forecast Year #4	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the wastewater system, FY 2028
J-5WW	Proof of Wastewater System Revenues, Forecast Year #5	Demonstrates proof of rate revenue forecast by identifying billing determinants and forecasted rate components for the wastewater system, FY 2029
K	Proposed Rate Adjustments	Presents proposed rates by component (base charge vs. volumetric) for all meter sizes and rate tiers, by customer class
L	Monthly Bill Impacts by Customer Class	Calculates monthly bill impacts in both nominal and percentage terms for each year of the rate application period for various customer classes

## Schedule A-1

Historical and Forecasted Operating Results, Existing Rates

	Historical Year	Current Year	Forecast Year	Forecast Year	Forecast Year	Forecast Year	Forecast Year
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Non-Lifeline Rate Increase</b>	5.5%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Lifeline Rate Increase</b>	0.0%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>CASH SOURCES</b>							
Water Rate Revenues	\$ 71,820,133	\$ 82,487,752	\$ 83,010,283	\$ 83,560,482	\$ 84,238,894	\$ 85,076,784	\$ 85,949,683
Wastewater Rate Revenues	37,478,560	43,590,855	44,232,920	44,900,370	45,643,195	46,469,033	47,328,130
Other Revenues	567,167	515,000	515,000	515,000	515,000	515,000	515,000
Rate Revenue Adjustment	(3,044,250)	(1,760,284)	(1,760,284)	(1,760,284)	(1,760,284)	(1,760,284)	(1,760,284)
Bad Debt Adjustment	(421,467)	(2,262,236)	(2,515,285)	(2,538,045)	(2,564,884)	(2,596,434)	(2,629,354)
<b>Total Operating Revenues<sup>1</sup></b>	<b>\$ 106,400,142</b>	<b>\$ 122,571,087</b>	<b>\$ 123,482,634</b>	<b>\$ 124,677,523</b>	<b>\$ 126,071,921</b>	<b>\$ 127,704,100</b>	<b>\$ 129,403,175</b>
Interest / Investment Income	1,972,141	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Rate Stabilization Transfers Out (In) <sup>2</sup>	18,050,000	-	-	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)
<b>TOTAL SOURCES</b>	<b>\$ 126,422,283</b>	<b>\$ 123,571,087</b>	<b>\$ 124,482,634</b>	<b>\$ 123,177,523</b>	<b>\$ 124,571,921</b>	<b>\$ 126,204,100</b>	<b>\$ 127,903,175</b>
<b>CASH USES</b>							
Power Purchases <sup>3</sup>	24,397,961	21,843,028	25,665,944	23,868,000	23,868,000	23,868,000	23,868,000
Water Purchases	7,038,954	5,900,000	6,515,000	6,251,000	6,207,000	5,756,000	5,756,000
Salaries & Benefits <sup>4</sup>	27,272,268	29,705,247	33,886,181	35,953,228	37,330,583	38,924,275	40,547,721
Admin & General <sup>5</sup>	9,023,292	9,687,858	13,666,252	14,423,571	15,050,682	15,708,195	16,397,982
Contractual Expense	5,575,264	7,464,494	9,516,803	10,049,511	10,305,997	10,077,369	10,334,691
Retiree Expense	3,560,495	3,755,617	4,495,403	4,623,703	4,759,489	4,902,860	5,053,931
<b>O&amp;M Subtotal</b>	<b>\$ 76,868,234</b>	<b>\$ 78,356,244</b>	<b>\$ 93,745,582</b>	<b>\$ 95,169,013</b>	<b>\$ 97,521,750</b>	<b>\$ 99,236,699</b>	<b>\$ 101,958,324</b>
Debt Service	39,036,678	38,762,231	46,525,561	54,764,058	64,984,124	76,470,940	84,635,627
Internally Funded Capital (IFCIP)	2,836,370	8,784,879	15,000,000	20,000,000	20,000,000	25,000,000	35,000,000
<b>TOTAL USES</b>	<b>\$ 118,741,281</b>	<b>\$ 125,903,354</b>	<b>\$ 155,271,144</b>	<b>\$ 169,933,072</b>	<b>\$ 182,505,875</b>	<b>\$ 200,707,639</b>	<b>\$ 221,593,952</b>
<b>Net Annual Cash Flow</b>	<b>\$ 7,681,002</b>	<b>\$ (2,332,267)</b>	<b>\$ (30,788,509)</b>	<b>\$ (46,755,548)</b>	<b>\$ (57,933,954)</b>	<b>\$ (74,503,540)</b>	<b>\$ (93,690,777)</b>
<b>DEBT SERVICE COVERAGE</b>							
Net Revenues	\$ 49,554,049	\$ 45,214,843	\$ 30,737,052	\$ 28,008,510	\$ 27,050,171	\$ 26,967,400	\$ 25,944,850
Adjustment, Capitalized Labor	3,075,928	4,159,140	4,405,203	4,673,920	4,852,976	5,060,156	5,271,204
Adjustment, Other <sup>6</sup>	673,200	715,649	701,500	708,515	715,600	722,756	729,984
Revenues Available for Debt Service	\$ 53,303,177	\$ 50,089,632	\$ 35,843,755	\$ 33,390,945	\$ 32,618,747	\$ 32,750,312	\$ 31,946,038
Total Debt Service	39,036,678	38,762,231	46,525,561	54,764,058	64,984,124	76,470,940	84,635,627
<b>Debt Service Coverage</b>	<b>1.365</b>	<b>1.292</b>	<b>0.770</b>	<b>0.610</b>	<b>0.502</b>	<b>0.428</b>	<b>0.377</b>
<b>Additional Revenue Requirement</b>							
Additional annual revenues needed to meet DSC target of 1.5x			\$ 33,944,587	\$ 48,755,143	\$ 64,857,440	\$ 81,956,099	\$ 95,007,404
Forecasted EOY operating reserves			\$ 11,945,334	\$ (34,810,215)	\$ (92,744,168)	\$ (167,247,708)	\$ (260,938,485)
Minimum reserve requirement, 120 days			\$ 30,820,465	\$ 31,288,443	\$ 32,061,945	\$ 32,625,764	\$ 33,520,545
<b>Total Additional Revenues Needed</b>			<b>\$ 33,944,587</b>	<b>\$ 48,755,143</b>	<b>\$ 64,857,440</b>	<b>\$ 81,956,099</b>	<b>\$ 95,007,404</b>
Days O&M, EOY Operating Reserves			<b>46</b>	<b>(133)</b>	<b>(347)</b>	<b>(615)</b>	<b>(934)</b>
<b>OTHER INFORMATION</b>							
SDC Revenues	1,359,167	1,165,000	1,165,000	1,165,000	1,165,000	1,165,000	1,165,000
Depreciation	30,768,912	28,817,076	29,424,588	29,996,235	30,751,472	31,506,554	32,358,124
<b>Net Operating Income</b>	<b>\$ 3,198,092</b>	<b>\$ 20,721,907</b>	<b>\$ 5,882,667</b>	<b>\$ 5,351,195</b>	<b>\$ 3,816,675</b>	<b>\$ 3,186,002</b>	<b>\$ 1,522,930</b>
Non-Operating Revenues (Expenses)	23,907,738	6,195,000	6,195,000	6,195,000	6,195,000	6,195,000	6,195,000
Interest Expense	(28,671,774)	(28,282,065)	(27,735,778)	(27,161,815)	(26,568,065)	(25,944,565)	(25,255,165)
Capital Contributions	13,120,737	27,000,000	27,000,000	27,000,000	27,000,000	4,000,000	4,000,000
<b>Change in Net Position</b>	<b>\$ 11,554,793</b>	<b>\$ 25,634,842</b>	<b>\$ 11,341,890</b>	<b>\$ 11,384,380</b>	<b>\$ 10,443,610</b>	<b>\$ (12,563,563)</b>	<b>\$ (13,537,235)</b>

1 - Includes leachate and Navy revenues; excludes system development charge revenues

2 - FY 2023 value includes \$12.4 million of ARPA funds which was used to offset debt service coverage requirements

3 - Operational efficiencies related to Ukudu treatment plant are reflected in FY 2026 and beyond

4 - Capitalized labor, which does not represent a cash impact, is not included in this calculation of annual net cash flow

5 - Excludes bad debt expense since this line item is included as an offset to rate revenues (per audited financials)

6 - Includes retiree COLA and end-of-year pension and OPEB adjustments

## Schedule A-2

Historical and Forecasted Operating Results, Proposed Rates

	Historical Year	Current Year	Forecast Year	Forecast Year	Forecast Year	Forecast Year	Forecast Year
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Non-Lifeline Rate Increase</b>	5.5%	16.7%	29.0%	12.5%	10.0%	10.0%	10.0%
<b>Lifeline Rate Increase</b>	0.0%	16.7%	0.0%	12.5%	0.0%	0.0%	0.0%
<b>CASH SOURCES</b>							
Water Service Revenues	69,672,862	79,688,942	99,819,447	112,310,275	123,419,168	135,679,564	149,279,940
Legislative Surcharge	2,147,271	2,798,810	3,285,020	3,381,323	3,503,935	3,872,428	4,281,117
Water SDC Revenues							
Water Rate Revenues	\$ 71,820,133	\$ 82,487,752	\$ 103,104,467	\$ 115,691,598	\$ 126,923,103	\$ 139,551,992	\$ 153,561,057
Wastewater Rate Revenues	37,478,560	43,590,855	52,669,507	59,711,229	65,178,108	71,378,389	78,326,297
Other Revenues	567,167	515,000	515,000	515,000	515,000	515,000	515,000
Rate Revenue Adjustment	(3,044,250)	(1,760,284)	(2,270,766)	(2,554,612)	(2,810,073)	(3,091,081)	(3,400,189)
Bad Debt Adjustment	(421,467)	(2,262,236)	(3,067,628)	(3,449,987)	(3,771,973)	(4,134,629)	(4,537,933)
<b>Total Operating Revenues<sup>1</sup></b>	<b>\$ 106,400,142</b>	<b>\$ 122,571,087</b>	<b>\$ 150,950,580</b>	<b>\$ 169,913,227</b>	<b>\$ 186,034,165</b>	<b>\$ 204,219,672</b>	<b>\$ 224,464,232</b>
Interest / Investment Income	1,972,141	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Rate Stabilization Transfers Out (In) <sup>2</sup>	18,050,000	-	-	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)
<b>TOTAL SOURCES</b>	<b>\$ 126,422,283</b>	<b>\$ 123,571,087</b>	<b>\$ 151,950,580</b>	<b>\$ 168,413,227</b>	<b>\$ 184,534,165</b>	<b>\$ 202,719,672</b>	<b>\$ 222,964,232</b>
<b>CASH USES</b>							
Power Purchases <sup>3</sup>	24,397,961	21,843,028	25,665,944	23,868,000	23,868,000	23,868,000	23,868,000
Water Purchases	7,038,954	5,900,000	6,515,000	6,251,000	6,207,000	5,756,000	5,756,000
Salaries & Benefits <sup>4</sup>	27,272,268	29,705,247	33,886,181	35,953,228	37,330,583	38,924,275	40,547,721
Admin & General <sup>5</sup>	9,023,292	9,687,858	13,666,252	14,423,571	15,050,682	15,708,195	16,397,982
Contractual Expense	5,575,264	7,464,494	9,516,803	10,049,511	10,305,997	10,077,369	10,334,691
Retiree Expense	3,560,495	3,755,617	4,495,403	4,623,703	4,759,489	4,902,860	5,053,931
O&M Subtotal	\$ 76,868,234	\$ 78,356,244	\$ 93,745,582	\$ 95,169,013	\$ 97,521,750	\$ 99,236,699	\$ 101,958,324
Debt Service	39,036,678	38,762,231	46,525,561	54,764,058	64,984,124	76,470,940	84,635,627
Internally Funded Capital (IFCIP)	2,836,370	8,784,879	15,000,000	20,000,000	20,000,000	25,000,000	35,000,000
<b>TOTAL USES</b>	<b>\$ 118,741,281</b>	<b>\$ 125,903,354</b>	<b>\$ 155,271,144</b>	<b>\$ 169,933,072</b>	<b>\$ 182,505,875</b>	<b>\$ 200,707,639</b>	<b>\$ 221,593,952</b>
<b>Net Annual Cash Flow</b>	<b>\$ 7,681,002</b>	<b>\$ (2,332,267)</b>	<b>\$ (3,320,564)</b>	<b>\$ (1,519,844)</b>	<b>\$ 2,028,290</b>	<b>\$ 2,012,032</b>	<b>\$ 1,370,280</b>
<b>DEBT SERVICE COVERAGE</b>							
Net Revenues	\$ 49,554,049	\$ 45,214,843	\$ 58,204,998	\$ 73,244,214	\$ 87,012,415	\$ 103,482,973	\$ 121,005,908
Adjustment, Capitalized Labor	3,075,928	4,159,140	4,405,203	4,673,920	4,852,976	5,060,156	5,271,204
Adjustment, Other <sup>6</sup>	673,200	715,649	701,500	708,515	715,600	722,756	729,984
Revenues Available for Debt Service	\$ 53,303,177	\$ 50,089,632	\$ 63,311,701	\$ 78,626,649	\$ 92,580,991	\$ 109,265,885	\$ 127,007,095
Total Debt Service	39,036,678	38,762,231	46,525,561	54,764,058	64,984,124	76,470,940	84,635,627
<b>Debt Service Coverage</b>	<b>1.365</b>	<b>1.292</b>	<b>1.361</b>	<b>1.436</b>	<b>1.425</b>	<b>1.429</b>	<b>1.501</b>
<b>Additional Revenue Requirement</b>							
Additional annual revenues needed to meet DSC target of 1.5x			\$ 6,476,641	\$ 3,519,439	\$ 4,895,196	\$ 5,440,526	\$ -
Forecasted EOY operating reserves			\$ 39,413,279	\$ 37,893,435	\$ 39,921,725	\$ 41,933,758	\$ 43,304,038
Minimum reserve requirement, 120 days			\$ 30,820,465	\$ 31,288,443	\$ 32,061,945	\$ 32,625,764	\$ 33,520,545
<b>Total Additional Revenues Needed</b>			<b>\$ 6,476,641</b>	<b>\$ 3,519,439</b>	<b>\$ 4,895,196</b>	<b>\$ 5,440,526</b>	<b>\$ -</b>
Days O&M, EOY Operating Reserves			153	145	149	154	155
<b>OTHER INFORMATION</b>							
SDC Revenues	1,359,167	1,165,000	1,165,000	1,165,000	1,165,000	1,165,000	1,165,000
Depreciation	30,768,912	28,817,076	29,424,588	29,996,235	30,751,472	31,506,554	32,358,124
<b>Net Operating Income</b>	<b>\$ 3,198,092</b>	<b>\$ 20,721,907</b>	<b>\$ 33,350,613</b>	<b>\$ 50,586,899</b>	<b>\$ 63,778,919</b>	<b>\$ 79,701,574</b>	<b>\$ 96,583,987</b>
Non-Operating Revenues (Expenses)	23,907,738	6,195,000	6,195,000	6,195,000	6,195,000	6,195,000	6,195,000
Interest Expense	(28,671,774)	(28,282,065)	(27,735,778)	(27,161,815)	(26,568,065)	(25,944,565)	(25,255,165)
Capital Contributions	13,120,737	27,000,000	27,000,000	27,000,000	27,000,000	4,000,000	4,000,000
<b>Change in Net Position</b>	<b>\$ 11,554,793</b>	<b>\$ 25,634,842</b>	<b>\$ 38,809,836</b>	<b>\$ 56,620,084</b>	<b>\$ 70,405,854</b>	<b>\$ 63,952,009</b>	<b>\$ 81,523,822</b>

1 - Includes leachate and Navy revenues; excludes system development charge revenues

2 - FY 2023 value includes \$12.4 million of ARPA funds which was used to offset debt service coverage requirements

3 - Operational efficiencies related to Ukudu treatment plant are reflected in FY 2026 and beyond

4 - Capitalized labor, which does not represent a cash impact, is not included in this calculation of annual net cash flow

5 - Excludes bad debt expense since this line item is included as an offset to rate revenues (per audited financials)

6 - Includes retiree COLA and end-of-year pension and OPEB adjustments



## Schedule A-3

### Historical and Forecasted Operating Results, WITH COMMERCIAL PAPER PROGRAM

	Historical Year	Current Year	Forecast Year	Forecast Year	Forecast Year	Forecast Year	Forecast Year
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Non-Lifeline Rate Increase</b>	5.5%	16.7%	17.0%	6.0%	6.0%	6.0%	15.0%
<b>Lifeline Rate Increase</b>	0.0%	16.7%	0.0%	6.0%	0.0%	0.0%	0.0%
<b>CASH SOURCES</b>							
Water Rate Revenues	\$ 71,820,133	\$ 82,487,752	\$ 95,021,230	\$ 101,128,989	\$ 107,431,320	\$ 114,387,318	\$ 130,671,671
Wastewater Rate Revenues	37,478,560	43,590,855	49,294,667	52,939,947	56,232,758	59,868,299	63,368,751
Other Revenues	567,167	515,000	515,000	515,000	515,000	515,000	515,000
Rate Revenue Adjustment	(3,044,250)	(1,760,284)	(2,059,532)	(2,183,104)	(2,314,091)	(2,452,936)	(2,820,876)
Bad Debt Adjustment	(421,467)	(2,262,236)	(2,846,460)	(3,036,584)	(3,221,887)	(3,426,420)	(3,823,742)
<b>Total Operating Revenues<sup>1</sup></b>	<b>\$ 106,400,142</b>	<b>\$ 122,571,087</b>	<b>\$ 139,924,905</b>	<b>\$ 149,364,248</b>	<b>\$ 158,643,100</b>	<b>\$ 168,891,260</b>	<b>\$ 187,910,803</b>
Interest / Investment Income	1,972,141	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Rate Stabilization Transfers Out (In) <sup>2</sup>	18,050,000	-	-	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)
<b>TOTAL SOURCES</b>	<b>\$ 126,422,283</b>	<b>\$ 123,571,087</b>	<b>\$ 140,924,905</b>	<b>\$ 147,864,248</b>	<b>\$ 157,143,100</b>	<b>\$ 167,391,260</b>	<b>\$ 186,410,803</b>
<b>CASH USES</b>							
Power Purchases <sup>3</sup>	24,397,961	21,843,028	25,665,944	23,868,000	23,868,000	23,868,000	23,868,000
Water Purchases	7,038,954	5,900,000	6,515,000	6,251,000	6,207,000	5,756,000	5,756,000
Salaries & Benefits <sup>4</sup>	27,272,268	29,705,247	33,886,181	35,953,228	37,330,583	38,924,275	40,547,721
Admin & General <sup>5</sup>	9,023,292	9,687,858	13,666,252	14,423,571	15,050,682	15,708,195	16,397,982
Contractual Expense	5,575,264	7,464,494	9,516,803	10,049,511	10,305,997	10,077,369	10,334,691
Retiree Expense	3,560,495	3,755,617	4,495,403	4,623,703	4,759,489	4,902,860	5,053,931
<b>O&amp;M Subtotal</b>	<b>\$ 76,868,234</b>	<b>\$ 78,356,244</b>	<b>\$ 93,745,582</b>	<b>\$ 95,169,013</b>	<b>\$ 97,521,750</b>	<b>\$ 99,236,699</b>	<b>\$ 101,958,324</b>
Fees, Commercial Paper Program <sup>6</sup>	-	-	2,295,000	2,295,000	2,295,000	2,295,000	2,295,000
Interest, Commercial Paper Program <sup>6</sup>	-	-	530,833	2,473,333	5,635,000	1,750,000	5,250,000
Debt Service	39,036,678	38,762,231	38,282,565	38,278,065	38,276,815	46,631,292	54,631,119
Internally Funded Capital (IFCIP)	2,836,370	8,784,879	15,000,000	10,000,000	10,000,000	20,000,000	20,000,000
<b>TOTAL USES</b>	<b>\$ 118,741,281</b>	<b>\$ 125,903,354</b>	<b>\$ 149,853,980</b>	<b>\$ 148,215,412</b>	<b>\$ 153,728,565</b>	<b>\$ 169,912,991</b>	<b>\$ 184,134,444</b>
<b>Net Annual Cash Flow</b>	<b>\$ 7,681,002</b>	<b>\$ (2,332,267)</b>	<b>\$ (8,929,075)</b>	<b>\$ (351,164)</b>	<b>\$ 3,414,535</b>	<b>\$ (2,521,731)</b>	<b>\$ 2,276,359</b>
<b>DEBT SERVICE COVERAGE</b>							
Net Revenues	\$ 49,554,049	\$ 45,214,843	\$ 47,179,323	\$ 52,695,234	\$ 59,621,350	\$ 68,154,561	\$ 84,452,478
Adjustment, Capitalized Labor	3,075,928	4,159,140	4,405,203	4,673,920	4,852,976	5,060,156	5,271,204
Adjustment, Other <sup>7</sup>	673,200	715,649	701,500	708,515	715,600	722,756	729,984
Revenues Available for Debt Service	\$ 53,303,177	\$ 50,089,632	\$ 52,286,026	\$ 58,077,669	\$ 65,189,926	\$ 73,937,473	\$ 90,453,666
Total Debt Service <sup>8</sup>	39,036,678	38,762,231	38,813,398	40,751,398	43,911,815	48,381,292	59,881,119
<b>Debt Service Coverage</b>	<b>1.365</b>	<b>1.292</b>	<b>1.347</b>	<b>1.425</b>	<b>1.485</b>	<b>1.528</b>	<b>1.511</b>
<b>Additional Revenue Requirement</b>							
Additional annual revenues needed to meet DSC target of 1.5x			\$ 5,934,071	\$ 3,049,429	\$ 677,797	\$ -	\$ -
Forecasted EOY operating reserves			\$ 33,804,768	\$ 33,453,604	\$ 36,868,139	\$ 34,346,408	\$ 36,622,767
Minimum reserve requirement, 120 days			\$ 30,820,465	\$ 31,288,443	\$ 32,061,945	\$ 32,625,764	\$ 33,520,545
<b>Total Additional Revenues Needed</b>			<b>\$ 5,934,071</b>	<b>\$ 3,049,429</b>	<b>\$ 677,797</b>	<b>\$ -</b>	<b>\$ -</b>
Days O&M, EOY Operating Reserves			131	128	137	126	131
<b>OTHER INFORMATION</b>							
SDC Revenues	1,359,167	1,165,000	1,165,000	1,165,000	1,165,000	1,165,000	1,165,000
Depreciation	30,768,912	28,817,076	29,424,588	29,996,235	30,751,472	31,506,554	32,358,124
<b>Net Operating Income</b>	<b>\$ 3,198,092</b>	<b>\$ 20,721,907</b>	<b>\$ 22,324,938</b>	<b>\$ 30,037,919</b>	<b>\$ 36,387,854</b>	<b>\$ 44,373,163</b>	<b>\$ 60,030,558</b>
Non-Operating Revenues (Expenses)	23,907,738	6,195,000	6,195,000	6,195,000	6,195,000	6,195,000	6,195,000
Interest Expense	(28,671,774)	(28,282,065)	(27,735,778)	(27,161,815)	(26,568,065)	(25,944,565)	(25,255,165)
Capital Contributions	13,120,737	27,000,000	27,000,000	27,000,000	27,000,000	4,000,000	4,000,000
<b>Change in Net Position</b>	<b>\$ 11,554,793</b>	<b>\$ 25,634,842</b>	<b>\$ 27,784,161</b>	<b>\$ 36,071,104</b>	<b>\$ 43,014,789</b>	<b>\$ 28,623,598</b>	<b>\$ 44,970,393</b>

1 - Includes leachate and Navy revenues; excludes system development charge revenues

2 - FY 2023 value includes \$12.4 million of ARPA funds which was used to offset debt service coverage requirements

3 - Operational efficiencies related to Ukudu treatment plant are reflected in FY 2026 and beyond

4 - Capitalized labor, which does not represent a cash impact, is not included in this calculation of annual net cash flow

5 - Excludes bad debt expense since this line item is included as an offset to rate revenues (per audited financials)

6 - Fees and interest expense have been estimated based on preliminary CIP expenditure forecasts and input from GWA's financial advisor; subject to change

7 - Includes retiree COLA and end-of-year pension and OPEB adjustments

8 - Includes forecasted interest expense for the Commercial Paper program and debt service on \$215 million take-out bonds at beginning of FY 2028

## Schedule B-1

Rate Revenues and Billing Determinants by Class, Forecast Year #1

<b>FY 2025</b>	<b>Customer Accounts<sup>1</sup></b>	<b>Volume (kgals)<sup>2</sup></b>	<b>Base Charge Revenues</b>	<b>Volume Revenues</b>	<b>Surcharge Revenues</b>	<b>Total Revenues</b>
<b>Water System</b>						
Residential	40,530	1,701,052	\$ 19,385,243	\$ 5,961,735	\$ 678,484	\$ 26,025,462
Residential (lifeline)		1,472,552		27,657,157	968,000	28,625,158
Commercial 1+	2,456	600,252	1,684,099	14,012,832	549,393	16,246,323
Commercial 2-	22	54,840	50,146	1,280,225	46,563	1,376,933
Commercial 3	282	127,408	209,435	2,974,326	111,432	3,295,192
Hotels	54	573,258	183,243	13,382,675	474,807	14,040,725
Government	362	514,378	456,760	12,008,119	436,271	12,901,150
Agriculture	325	47,721	164,212	357,850	18,272	540,335
Irrigation	33	3,727	22,473	28,918	1,799	53,190
<b>Subtotal, Billed Revenues</b>	<b>44,064</b>	<b>5,095,188</b>	<b>\$ 22,155,610</b>	<b>\$ 77,663,837</b>	<b>\$ 3,285,020</b>	<b>\$ 103,104,467</b>
Adjustments <sup>3</sup>						(1,502,986)
<b>Water Revenues</b>						<b>\$ 101,601,481</b>
<b>Wastewater System</b>						
Residential <sup>4</sup>	28,623	-	\$ 11,022,760	\$ -	\$ -	\$ 11,022,760
Commercial 1+	1,925	371,410	-	4,780,290	167,310	4,947,600
Commercial 2-	19	43,727	-	1,370,972	47,984	1,418,956
Commercial 3	271	98,611	-	4,287,069	150,047	4,437,116
Hotels	50	376,799	-	11,813,757	413,481	12,227,238
Government	263	384,591	-	7,077,386	247,709	7,325,095
Leachate	2	30,000	-	569,700	19,940	589,640
Navy		561,000	-	10,339,230	361,873	10,701,103
<b>Subtotal, Billed Revenues</b>	<b>31,153</b>	<b>1,866,138</b>	<b>\$ 11,022,760</b>	<b>\$ 40,238,404</b>	<b>\$ 1,408,344</b>	<b>\$ 52,669,507</b>
Adjustments <sup>3</sup>						(767,780)
<b>Wastewater Revenues</b>						<b>\$ 51,901,727</b>
<b>System Rate Revenues</b>						<b>\$ 153,503,208</b>

1 - Average number of customers billed monthly during the fiscal year

2 - The government customer class excludes consumption attributed to GWA (i.e., non-revenue accounts)

3 - Forecasted revenue adjustments applied proportionately to water and wastewater revenues

4 - Residential accounts include the number of multi-family units that receive the residential base charge

## Schedule B-2

Rate Revenues and Billing Determinants by Class, Forecast Year #2

<b>FY 2026</b>	<b>Customer Accounts<sup>1</sup></b>	<b>Volume (kgals)<sup>2</sup></b>	<b>Base Charge Revenues</b>	<b>Volume Revenues</b>	<b>Surcharge Revenues</b>	<b>Total Revenues</b>
<b>Water System</b>						
Residential	40,727	1,684,535	\$ 21,914,262	\$ 6,643,931	\$ 701,256	\$ 29,259,449
Residential (lifeline)		1,458,254		30,824,926	986,398	31,811,324
Commercial 1+	2,462	591,639	1,897,897	15,542,679	558,098	17,998,674
Commercial 2-	22	52,413	56,415	1,376,914	45,867	1,479,196
Commercial 3	282	125,592	235,624	3,299,375	113,120	3,648,120
Hotels	54	593,752	206,153	15,598,190	505,739	16,310,081
Government	363	516,186	514,402	13,560,478	450,396	14,525,276
Agriculture	325	47,041	184,741	396,904	18,613	600,257
Irrigation	33	3,674	25,283	32,101	1,836	59,221
<b>Subtotal, Billed Revenues</b>	<b>44,268</b>	<b>5,073,086</b>	<b>\$ 25,034,777</b>	<b>\$ 87,275,498</b>	<b>\$ 3,381,323</b>	<b>\$ 115,691,598</b>
Adjustments <sup>3</sup>						(1,684,962)
<b>Water Revenues</b>						<b>\$ 114,006,635</b>
<b>Wastewater System</b>						
Residential <sup>4</sup>	28,720	-	\$ 12,443,489	\$ -	\$ -	\$ 12,443,489
Commercial 1+	1,932	366,081	-	5,303,864	169,724	5,473,587
Commercial 2-	19	41,792	-	1,474,304	47,178	1,521,482
Commercial 3	271	97,205	-	4,754,953	152,159	4,907,112
Hotels	50	390,270	-	13,767,559	440,562	14,208,121
Government	263	385,943	-	7,992,451	255,758	8,248,209
Leachate	2	30,000	-	641,100	20,515	661,615
Navy		572,220	-	11,867,843	379,771	12,247,614
<b>Subtotal, Billed Revenues</b>	<b>31,257</b>	<b>1,883,511</b>	<b>\$ 12,443,489</b>	<b>\$ 45,802,073</b>	<b>\$ 1,465,666</b>	<b>\$ 59,711,229</b>
Adjustments <sup>3</sup>						(869,650)
<b>Wastewater Revenues</b>						<b>\$ 58,841,579</b>
<b>System Rate Revenues</b>						<b>\$ 172,848,214</b>

1 - Average number of customers billed monthly during the fiscal year

2 - The government customer class excludes consumption attributed to GWA (i.e., non-revenue accounts)

3 - Forecasted revenue adjustments applied proportionately to water and wastewater revenues

4 - Residential accounts include the number of multi-family units that receive the residential base charge

## Schedule B-3

Rate Revenues and Billing Determinants by Class, Forecast Year #3

<b>FY 2027</b>	<b>Customer Accounts<sup>1</sup></b>	<b>Volume (kgals)<sup>2</sup></b>	<b>Base Charge Revenues</b>	<b>Volume Revenues</b>	<b>Surcharge Revenues</b>	<b>Total Revenues</b>
<b>Water System</b>						
Residential	40,926	1,678,804	\$ 24,224,883	\$ 6,621,327	\$ 726,746	\$ 31,572,957
Residential (lifeline)		1,453,293		33,796,415	1,013,892	34,810,308
Commercial 1+	2,467	585,134	2,090,774	16,914,215	570,150	19,575,139
Commercial 2-	22	50,290	62,058	1,453,716	45,473	1,561,247
Commercial 3	282	124,274	259,205	3,592,322	115,546	3,967,073
Hotels	54	617,205	226,771	17,841,297	542,042	18,610,110
Government	365	521,365	567,037	15,070,890	469,138	16,107,065
Agriculture	325	46,547	203,242	432,242	19,065	654,549
Irrigation	33	3,636	27,814	34,959	1,883	64,656
<b>Subtotal, Billed Revenues</b>	<b>44,474</b>	<b>5,080,548</b>	<b>\$ 27,661,785</b>	<b>\$ 95,757,383</b>	<b>\$ 3,503,935</b>	<b>\$ 126,923,103</b>
Adjustments <sup>3</sup>						(1,856,642)
<b>Water Revenues</b>						<b>\$ 125,066,461</b>
<b>Wastewater System</b>						
Residential <sup>4</sup>	28,818	-	\$ 12,485,950	\$ -	\$ -	\$ 12,485,950
Commercial 1+	1,938	362,055	-	5,773,353	173,201	5,946,554
Commercial 2-	19	40,100	-	1,556,334	46,690	1,603,024
Commercial 3	271	96,185	-	5,175,625	155,269	5,330,894
Hotels	50	405,686	-	15,745,351	472,361	16,217,712
Government	263	389,816	-	8,882,251	266,468	9,148,718
Leachate	2	30,000	-	705,300	21,159	726,459
Navy		583,664	-	13,319,222	399,577	13,718,798
<b>Subtotal, Billed Revenues</b>	<b>31,361</b>	<b>1,907,506</b>	<b>\$ 12,485,950</b>	<b>\$ 51,157,436</b>	<b>\$ 1,534,723</b>	<b>\$ 65,178,108</b>
Adjustments <sup>3</sup>						(953,431)
<b>Wastewater Revenues</b>						<b>\$ 64,224,677</b>
<b>System Rate Revenues</b>						<b>\$ 189,291,138</b>

1 - Average number of customers billed monthly during the fiscal year

2 - The government customer class excludes consumption attributed to GWA (i.e., non-revenue accounts)

3 - Forecasted revenue adjustments applied proportionately to water and wastewater revenues

4 - Residential accounts include the number of multi-family units that receive the residential base charge

## Schedule B-4

Rate Revenues and Billing Determinants by Class, Forecast Year #4

<b>FY 2028</b>	<b>Customer Accounts<sup>1</sup></b>	<b>Volume (kgals)<sup>2</sup></b>	<b>Base Charge Revenues</b>	<b>Volume Revenues</b>	<b>Surcharge Revenues</b>	<b>Total Revenues</b>
<b>Water System</b>						
Residential	41,125	1,673,053	\$ 26,775,787	\$ 6,598,645	\$ 803,274	\$ 34,177,706
Residential (lifeline)		1,448,314		37,050,150	1,111,505	38,161,655
Commercial 1+	2,473	578,932	2,303,775	18,411,317	621,453	21,336,544
Commercial 2-	22	48,253	68,265	1,534,565	48,085	1,650,915
Commercial 3	282	122,969	285,133	3,910,677	125,874	4,321,684
Hotels	54	641,585	249,452	20,403,834	619,599	21,272,885
Government	366	525,146	624,400	16,700,825	519,757	17,844,981
Agriculture	325	46,059	223,594	470,474	20,822	714,890
Irrigation	33	3,597	30,596	38,076	2,060	70,732
<b>Subtotal, Billed Revenues</b>	<b>44,680</b>	<b>5,087,908</b>	<b>\$ 30,561,002</b>	<b>\$ 105,118,562</b>	<b>\$ 3,872,428</b>	<b>\$ 139,551,992</b>
Adjustments <sup>3</sup>						(2,045,066)
<b>Water Revenues</b>						<b>\$ 137,506,926</b>
<b>Wastewater System</b>						
Residential <sup>4</sup>	28,917	-	\$ 12,528,843	\$ -	\$ -	\$ 12,528,843
Commercial 1+	1,945	358,218	-	6,284,447	188,533	6,472,980
Commercial 2-	19	38,476	-	1,642,748	49,282	1,692,031
Commercial 3	271	95,175	-	5,633,504	169,005	5,802,509
Hotels	50	421,710	-	18,005,285	540,159	18,545,443
Government	263	392,643	-	9,844,468	295,334	10,139,802
Leachate	2	30,000	-	776,100	23,283	799,383
Navy		595,338	-	14,948,929	448,468	15,397,397
<b>Subtotal, Billed Revenues</b>	<b>31,467</b>	<b>1,931,559</b>	<b>\$ 12,528,843</b>	<b>\$ 57,135,482</b>	<b>\$ 1,714,064</b>	<b>\$ 71,378,389</b>
Adjustments <sup>3</sup>						(1,046,015)
<b>Wastewater Revenues</b>						<b>\$ 70,332,374</b>
<b>System Rate Revenues</b>						<b>\$ 207,839,301</b>

1 - Average number of customers billed monthly during the fiscal year

2 - The government customer class excludes consumption attributed to GWA (i.e., non-revenue accounts)

3 - Forecasted revenue adjustments applied proportionately to water and wastewater revenues

4 - Residential accounts include the number of multi-family units that receive the residential base charge

## Schedule B-5

Rate Revenues and Billing Determinants by Class, Forecast Year #5

<b>FY 2029</b>	<b>Customer Accounts<sup>1</sup></b>	<b>Volume (kgals)<sup>2</sup></b>	<b>Base Charge Revenues</b>	<b>Volume Revenues</b>	<b>Surcharge Revenues</b>	<b>Total Revenues</b>
<b>Water System</b>						
Residential	41,325	1,667,323	\$ 29,595,776	\$ 6,576,045	\$ 887,873	\$ 37,059,695
Residential (lifeline)		1,443,354		40,627,113	1,218,813	41,845,926
Commercial 1+	2,479	572,792	2,538,490	20,040,524	677,370	23,256,384
Commercial 2-	22	46,299	75,093	1,619,888	50,849	1,745,830
Commercial 3	282	121,677	313,657	4,257,183	137,125	4,707,966
Hotels	54	666,928	274,400	23,334,094	708,255	24,316,748
Government	367	528,951	687,564	18,506,637	575,826	19,770,027
Agriculture	325	45,575	245,969	512,406	22,751	781,126
Irrigation	33	3,560	33,657	41,444	2,253	77,354
<b>Subtotal, Billed Revenues</b>	<b>44,887</b>	<b>5,096,458</b>	<b>\$ 33,764,607</b>	<b>\$ 115,515,333</b>	<b>\$ 4,281,117</b>	<b>\$ 153,561,057</b>
Adjustments <sup>3</sup>						(2,251,682)
<b>Water Revenues</b>						<b>\$ 151,309,375</b>
<b>Wastewater System</b>						
Residential <sup>4</sup>	29,016	-	\$ 12,571,737	\$ -	\$ -	\$ 12,571,737
Commercial 1+	1,952	354,419	-	6,840,640	205,219	7,045,859
Commercial 2-	19	36,917	-	1,733,986	52,020	1,786,006
Commercial 3	271	94,176	-	6,131,976	183,959	6,315,935
Hotels	50	438,368	-	20,589,894	617,697	21,207,591
Government	263	395,487	-	10,910,920	327,328	11,238,247
Leachate	2	30,000	-	853,800	25,614	879,414
Navy		607,244	-	16,778,164	503,345	17,281,509
<b>Subtotal, Billed Revenues</b>	<b>31,573</b>	<b>1,956,611</b>	<b>\$ 12,571,737</b>	<b>\$ 63,839,379</b>	<b>\$ 1,915,181</b>	<b>\$ 78,326,297</b>
Adjustments <sup>3</sup>						(1,148,507)
<b>Wastewater Revenues</b>						<b>\$ 77,177,790</b>
<b>System Rate Revenues</b>						<b>\$ 228,487,165</b>

1 - Average number of customers billed monthly during the fiscal year

2 - The government customer class excludes consumption attributed to GWA (i.e., non-revenue accounts)

3 - Forecasted revenue adjustments applied proportionately to water and wastewater revenues

4 - Residential accounts include the number of multi-family units that receive the residential base charge

## Schedule C-1

### Operating Expense by Major Cost Category

Expense Category	Historical Years		Current Year	Forecasted Years				
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Power Purchases	\$ 18,577,440	\$ 24,397,961	\$ 21,843,028	\$ 25,665,944	\$ 23,868,000	\$ 23,868,000	\$ 23,868,000	\$ 23,868,000
Water Purchases	5,656,471	7,038,954	5,900,000	6,515,000	6,251,000	6,207,000	5,756,000	5,756,000
Salaries & Benefits	25,891,396	27,272,268	29,705,247	33,886,181	35,953,228	37,330,583	38,924,275	40,547,721
Admin & General	7,956,423	9,023,292	9,687,858	13,666,252	14,423,571	15,050,682	15,708,195	16,397,982
Contractual Expense	4,492,845	5,575,264	7,464,494	9,516,803	10,049,511	10,305,997	10,077,369	10,334,691
Retiree Expense	8,864,985	3,560,495	3,755,617	4,495,403	4,623,703	4,759,489	4,902,860	5,053,931
<b>O&amp;M Subtotal, Cash Basis</b>	<b>\$ 71,439,560</b>	<b>\$ 76,868,234</b>	<b>\$ 78,356,244</b>	<b>\$ 93,745,582</b>	<b>\$ 95,169,013</b>	<b>\$ 97,521,750</b>	<b>\$ 99,236,699</b>	<b>\$ 101,958,324</b>
<b>Budget Adjustments</b>								
+ Depreciation	28,462,573	30,768,912	28,817,076	29,166,924	29,738,571	30,493,808	31,248,890	32,100,460
- Capitalized Labor <sup>1</sup>	(3,699,767)	(3,075,928)	(4,159,140)	(4,405,203)	(4,673,920)	(4,852,976)	(5,060,156)	(5,271,204)
+ Bad Debt Expense <sup>2</sup>	2,028,510	421,467	2,262,236	3,067,628	3,449,987	3,771,973	4,134,629	4,537,933
<b>Budgeted Annual O&amp;M Subtotal</b>	<b>\$ 96,202,366</b>	<b>\$ 104,561,217</b>	<b>\$ 105,276,415</b>	<b>\$ 121,574,931</b>	<b>\$ 123,683,651</b>	<b>\$ 126,934,555</b>	<b>\$ 129,560,063</b>	<b>\$ 133,325,513</b>

1 - Within GWA's operating budget, capitalized labor expense is credited against the Salaries & Budget line item



## Schedule C-2

### Budgeted Operating Expense by Object Class

Object Class	Current Year		Forecast Years			
	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
06 Water Purchases	\$ 5,900,000	\$ 6,515,000	\$ 6,251,000	\$ 6,207,000	\$ 5,756,000	\$ 5,756,000
07 Power Purchases	21,843,028	25,665,944	23,868,000	23,868,000	23,868,000	23,868,000
08 Salaries and Wages	21,906,726	24,180,694	25,722,784	26,762,582	27,959,212	29,114,911
09 Pension and Benefits	7,798,521	9,705,486	10,230,444	10,568,001	10,965,063	11,432,810
10 Capitalized Labor and Benefits	(4,159,140)	(4,405,203)	(4,673,920)	(4,852,976)	(5,060,156)	(5,271,204)
11 Sludge removal	335,916	692,489	710,214	731,521	753,466	776,070
12 Chemicals	1,919,331	4,224,183	4,513,030	4,648,420	4,787,873	4,931,509
13 Materials & Supplies	2,484,994	2,834,093	2,992,139	3,210,667	3,440,777	3,683,118
14 Transportation	774,960	852,456	937,702	1,031,472	1,134,619	1,248,081
15 Communications	159,211	133,090	238,912	246,080	253,462	261,066
16 Claims	179,000	245,000	252,350	259,921	267,718	275,750
17 Insurance	1,936,000	1,963,000	1,963,000	2,021,890	2,082,547	2,145,023
18 Training & Travel	201,154	779,539	840,011	865,212	891,168	917,903
19 Advertising	134,385	274,867	287,117	295,730	304,602	313,740
20 Miscellaneous	1,343,906	1,439,035	1,450,621	1,494,140	1,538,964	1,585,133
21 Regulatory Expense	219,000	228,500	238,475	245,629	252,998	260,588
22 Bad Debts Provision	2,262,236	3,067,628	3,449,987	3,771,973	4,134,629	4,537,933
23 Depreciation Expense	28,817,076	29,166,924	29,738,571	30,493,808	31,248,890	32,100,460
24 Audit & Computer Maint.	1,989,257	3,077,463	3,135,008	3,229,058	3,325,930	3,425,708
25 Building rental	603,165	668,772	705,372	726,533	748,329	770,779
26 Equipment rental	561,291	695,117	753,950	776,568	799,865	823,861
27 Legal	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
28 Laboratory	525,950	426,255	654,055	673,677	693,887	714,704
29 Other	2,284,832	3,149,196	3,301,126	3,400,160	3,009,358	3,099,639
30 Retiree annuities & health care	3,039,968	3,793,903	3,915,188	4,043,889	4,180,103	4,323,948
31 Retiree COLA	715,649	701,500	708,515	715,600	722,756	729,984
<b>O&amp;M Subtotal</b>	<b>\$ 105,276,415</b>	<b>\$ 121,574,931</b>	<b>\$ 123,683,651</b>	<b>\$ 126,934,555</b>	<b>\$ 129,560,063</b>	<b>\$ 133,325,513</b>

## Schedule D

### Navy Water Purchases

	<i>Historical</i>	<i>Current Year</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>	<i>Forecast</i>
	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>
<b>Navy Contract (FENA)</b>							
Purchased Water (Kgals)	590,939	491,132	550,000	526,000	522,000	481,000	481,000
Rate per Kgal	\$11.13	\$11.20	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Percent Change in Rate		0.6%	-1.8%	0.0%	0.0%	0.0%	0.0%
Water Purchase Costs	\$ 6,579,117	\$ 5,500,678	\$ 6,050,000	\$ 5,786,000	\$ 5,742,000	\$ 5,291,000	\$ 5,291,000
Other Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Water Purchases</b>	<b>\$ 6,579,117</b>	<b>\$ 5,500,678</b>	<b>\$ 6,050,000</b>	<b>\$ 5,786,000</b>	<b>\$ 5,742,000</b>	<b>\$ 5,291,000</b>	<b>\$ 5,291,000</b>
<b>Other Contract</b>							
Purchased Sewer (Kgals)	13,567	12,709	15,000	15,000	15,000	15,000	15,000
Rate per Kgal	\$33.71	\$31.42	\$31.00	\$31.00	\$31.00	\$31.00	\$31.00
Percent Change in Rate		-6.8%	-1.3%	0.0%	0.0%	0.0%	0.0%
<b>Sewer Purchase Costs</b>	<b>\$ 457,290</b>	<b>\$ 399,325</b>	<b>\$ 465,000</b>	<b>\$ 465,000</b>	<b>\$ 465,000</b>	<b>\$ 465,000</b>	<b>\$ 465,000</b>
<b>Total Purchases</b>	<b>\$ 7,036,407</b>	<b>\$ 5,900,003</b>	<b>\$ 6,515,000</b>	<b>\$ 6,251,000</b>	<b>\$ 6,207,000</b>	<b>\$ 5,756,000</b>	<b>\$ 5,756,000</b>

## Schedule E

### Sources and Uses of Funds, Capital Improvement Program

	Forecast Years						
	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	TOTAL	%
<b>Capital Program by Element</b>							
Water Production	\$ 29,597,345	\$ 19,143,743	\$ 20,113,701	\$ 24,275,381	\$ 9,624,448	\$ 102,754,617	11.4%
Water Treatment	8,797,915	18,711,176	21,799,340	22,671,313	29,904,761	101,884,505	11.3%
Water Distribution	15,456,100	49,767,698	54,462,816	62,888,416	20,534,486	203,109,517	22.6%
Water Storage	5,660,642	3,669,633	1,581,554	1,119,207	13,900,805	25,931,842	2.9%
Water System Subtotal	\$ 59,512,002	\$ 91,292,250	\$ 97,957,411	\$ 110,954,318	\$ 73,964,500	\$ 433,680,480	
Wastewater Collection	45,055,515	63,165,723	56,863,283	57,148,000	46,148,421	268,380,943	29.9%
Wastewater Treatment	2,334,478	3,374,591	6,326,499	26,095,770	23,949,402	62,080,740	6.9%
Wastewater System Subtotal	\$ 47,389,993	\$ 66,540,315	\$ 63,189,782	\$ 83,243,770	\$ 70,097,823	\$ 330,461,683	
Electrical, Monitoring & Control	6,617,663	12,706,711	7,011,836	3,948,423	6,152,564	36,437,196	4.1%
General Plant	29,392,031	18,269,942	20,611,675	14,745,943	15,134,438	98,154,030	10.9%
<b>Total CIP<sup>1</sup></b>	<b>\$ 142,911,688</b>	<b>\$ 188,809,218</b>	<b>\$ 188,770,704</b>	<b>\$ 212,892,454</b>	<b>\$ 165,349,325</b>	<b>\$ 898,733,389</b>	<b>100.0%</b>
<b>Proposed Funding Sources</b>							
Reserves & Previous Bond Proceeds	\$ 9,905,702	\$ -	\$ -	\$ -	\$ -	\$ 9,905,702	1.0%
USEPA SRF Grants	27,000,000	27,000,000	27,000,000	4,000,000	4,000,000	89,000,000	8.9%
System Development Charge Revenues	750,000	750,000	750,000	750,000	750,000	3,750,000	0.4%
Proceeds from New Revenue Bonds	250,000,000	-	310,000,000	-	220,000,000	780,000,000	78.2%
IFCIP Transfers	15,000,000	20,000,000	20,000,000	25,000,000	35,000,000	115,000,000	11.5%
Used (Unused) Funding Sources <sup>2</sup>	(159,744,014)	141,059,218	(168,979,296)	183,142,454	(94,400,675)	(98,922,314)	
<b>Total Funding Sources</b>	<b>\$ 142,911,688</b>	<b>\$ 188,809,218</b>	<b>\$ 188,770,704</b>	<b>\$ 212,892,454</b>	<b>\$ 165,349,325</b>	<b>\$ 898,733,389</b>	<b>100.0%</b>

1 - Estimated projects costs in nominal dollars; subject to change based on project procurement and construction market conditions

2 - Approximately \$98.9 million will remain for projects beyond FY 2029 (i.e. GWA has employed a 2-year bond sizing protocol)

## Schedule F

### Debt Service and Other Financing Charges

	Historical	Current	Forecast	Forecast	Forecast	Forecast	Forecast
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Issuance</b>							
<b>2013 Revenue Bonds</b>							
Principal	\$ 3,145,000	\$ 3,315,000	\$ 3,485,000	\$ 3,670,000	\$ 3,850,000	\$ 4,045,000	\$ -
Interest	1,100,363	935,250	761,213	578,250	394,750	202,250	-
Total Payment	\$ 4,245,363	\$ 4,250,250	\$ 4,246,213	\$ 4,248,250	\$ 4,244,750	\$ 4,247,250	\$ -
<b>2014 Refunding Revenue Bonds</b>							
Principal	\$ 4,005,000	\$ 4,205,000	\$ 4,410,000	\$ 4,630,000	\$ 4,865,000	\$ 5,110,000	\$ 5,365,000
Interest	3,202,750	3,002,500	2,792,250	2,571,750	2,340,250	2,097,000	1,841,500
Total Payment	\$ 7,207,750	\$ 7,207,500	\$ 7,202,250	\$ 7,201,750	\$ 7,205,250	\$ 7,207,000	\$ 7,206,500
<b>2016 Revenue Bonds</b>							
Principal	\$ 835,000	\$ 875,000	\$ 925,000	\$ 965,000	\$ 1,015,000	\$ 1,065,000	\$ 1,120,000
Interest	6,748,750	6,707,000	6,663,250	6,617,000	6,568,750	6,518,000	6,464,750
Total Payment	\$ 7,583,750	\$ 7,582,000	\$ 7,588,250	\$ 7,582,000	\$ 7,583,750	\$ 7,583,000	\$ 7,584,750
<b>2017 Refunding Revenue Bonds</b>							
Principal	\$ 2,250,000	\$ 2,365,000	\$ 2,485,000	\$ 2,610,000	\$ 2,740,000	\$ 2,875,000	\$ 3,015,000
Interest	5,159,000	5,046,500	4,928,250	4,804,000	4,673,500	4,536,500	4,392,750
Total Payment	\$ 7,409,000	\$ 7,411,500	\$ 7,413,250	\$ 7,414,000	\$ 7,413,500	\$ 7,411,500	\$ 7,407,750
<b>2020A Revenue Bonds</b>							
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	6,700,000	6,700,000	6,700,000	6,700,000	6,700,000	6,700,000	6,700,000
Total Payment	\$ 6,700,000	\$ 6,700,000	\$ 6,700,000	\$ 6,700,000	\$ 6,700,000	\$ 6,700,000	\$ 6,700,000
<b>2020B Refunding Revenue Bonds</b>							
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,260,000	\$ 6,175,000
Interest	5,890,815	5,890,815	5,890,815	5,890,815	5,890,815	5,890,815	5,856,165
Total Payment	\$ 5,890,815	\$ 5,890,815	\$ 5,890,815	\$ 5,890,815	\$ 5,890,815	\$ 7,150,815	\$ 12,031,165
Anticipated Refunding Savings		(279,834)	(758,213)	(758,750)	(761,250)	(757,250)	(477,000)
Capitalized Interest Proceeds		-	-	-	-	-	-
<b>Existing Debt Service</b>	<b>\$ 39,036,678</b>	<b>\$ 38,762,231</b>	<b>\$ 38,282,565</b>	<b>\$ 38,278,065</b>	<b>\$ 38,276,815</b>	<b>\$ 39,542,315</b>	<b>\$ 40,453,165</b>
<b>Other Debt</b>							
Proposed Debt Service		-	8,242,997	16,485,993	26,707,309	36,928,625	44,182,462
Interest, Commercial Paper Program		-	-	-	-	-	-
<b>Total Debt Service</b>	<b>\$ 39,036,678</b>	<b>\$ 38,762,231</b>	<b>\$ 46,525,561</b>	<b>\$ 54,764,058</b>	<b>\$ 64,984,124</b>	<b>\$ 76,470,940</b>	<b>\$ 84,635,627</b>

## Schedule G-1

### Internally Funded Capital Improvement Projects (IFCIP)

		Forecast Years				
		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Proposed IFCIP Amounts</b>						
Annual IFCIP Transfers from Operating Fund		\$ 15,000,000	\$ 20,000,000	\$ 20,000,000	\$ 25,000,000	\$ 35,000,000
<b>Projects Funded by IFCIP (subject to change)</b>						
MP-PW-Well-02	Well Equipment Overhaul	\$ 3,387,737	\$ 3,523,247	\$ -	\$ 3,810,744	\$ 2,476,983
MP-PW-Well-05	Wellhead Protection					948,989
MP-PW-Well-06	Well Repair		956,134	994,380	1,998,883	3,285,965
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project				1,988,214	2,067,743
MP-PW-Pipe-10	Miscellaneous Piping Projects	-	-	1,354,048	-	-
MP-PW-Pipe-11	Miscellaneous Piping Connections		168,851	175,605	182,629	189,935
MP-PW-Pipe-13	2-inch Pipe Replacement				1,109,592	1,794,120
MP-PW-Pipe-15	PRV Rehab and Replacement	-	-	2,214,679		-
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement	-	489,582	-	-	-
MP-PW-BPS-01	Rehabilitate and Replace BPSs	3,512,155	-	-	235,347	244,761
MP-WW-MH-01	Manhole Rehabilitation	-	507,714		549,144	571,109
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement					10,093,952
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement				1,151,633	1,197,698
MP-Gen-Misc-01	GWA Engineering Systems Planning	-	3,093,376	-	2,737,469	1,631,741
MP-Gen-Misc-02A	WRMP Comprehensive Update & Water System Planning	-	-	-	2,039,677	2,121,263
MP-Gen-Misc-05	GWA Customer Service, Warehouse, Test Bench and Improvements	4,157,514	6,044,217	6,285,986	-	-
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility	3,942,594	-	-	-	-
MP-Gen-Misc-07	Mobile Equipment Replacement	-	1,687,296	-	-	-
MP-Gen-Misc-08	General Plant Improvements	-	2,122,489	3,583,012	3,726,332	815,871
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance		1,407,094	1,463,378	1,521,913	1,407,306
MP-Gen-Misc-04	Monitoring: Information Technology Improvements	-	-	1,433,205	1,490,533	326,348
MP-Gen-Misc-03	Control: Surveying and Property Delineation	-	-	-	786,924	818,401
MP-Gen-Misc-09	Control: Security and Resilience	-	-	-	1,019,838	163,174
MP-Gen-EE-02	Electrical: SCADA Implementation Phase B – Additional Sites	-	-	2,495,707	-	4,167,468
MP-Gen-EE-03	Electrical: SCADA Implementation Phase C – Additional Instruments	-	-	-	651,128	677,173
<b>Total Project Costs</b>		<b>\$ 15,000,000</b>	<b>\$ 20,000,000</b>	<b>\$ 20,000,000</b>	<b>\$ 25,000,000</b>	<b>\$ 35,000,000</b>

## Schedule G-2

### Externally Funded Capital Improvement Projects (Grants)

		Forecast Years				
		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>External Funding</b>						
SRF & DOD Grants		\$ 27,000,000	\$ 27,000,000	\$ 27,000,000	\$ 4,000,000	\$ 4,000,000
<b>Externally Funded Projects (subject to change)</b>						
MP-PW-Well-01	Well Rehabilitation			\$ 7,885,945		
MP-PW-Well 05	Wellhead Protection		618,675			
MP-PW-Well-08	PFAS Water Treatment Design & Construction	2,704,000				
MP-PW-Well-09	PFAS Well Transmission Main Design & Construction		5,624,320		-	-
MP-PW-Well-10	PFAS Well Pumps & Booster Stations	2,163,200				
MP-PW-SWTP-01	UGUM SWTP River Intake Cleaning Project	119,024				
MP-PW-SWTP-02	UGUM SWTP Intake Modification	3,203,900				
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project		1,838,216	1,911,744		-
MP-PW-Pipe-13	2-inch Pipe Replacement				1,037,163	1,061,427
MP-PW-Pipe-15	PRV Rehab & Replacement	2,047,595	2,129,499			-
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement	784,586		848,608	529,531	407,935
MP-PW-BPS-01	Rehabilitate and Replace BPS			226,295		
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement		6,550,964	5,651,425		
MP-WW-Pipe-06	Rt.1 Dededo (Northern District Route 1 Capacity Replacement) Phase 1	581,392	3,125,260			
MP-WW-Pipe-28	CCTV Inspection, Assessment, Documentation, & Reporting	2,902,387				
MP-WW-FM-01	Force Main Rehabilitation/Replacement			7,141,886		
MP-WW-FM-02	Replace Yigo Lift Station Force Main	2,062,626				
MP-WW-FM-04	Hagatna WWTP Force Main Rehabilitation/Replacement	8,428,863				
MP-WW-MH-01	Manhole Rehabilitation	488,187				
MP-WW-Pump-01	Lift Station Rehabilitation/Replacement		2,249,728	2,339,717	2,433,306	2,530,638
MP-WW-Pump-02	Tumon Basin-Fujita Lift Station		3,963,447			
MP-WW-Misc-02	I/I and SSES Assessments	703,040				
MP-WW-Misc-03	Miscellaneous Wastewater Improvements	811,200	899,891	994,380		
<b>Total Project Costs</b>		<b>\$ 27,000,000</b>	<b>\$ 27,000,000</b>	<b>\$ 27,000,000</b>	<b>\$ 4,000,000</b>	<b>\$ 4,000,000</b>

## Schedule H

### Other Revenues, Interest Revenues & Revenue Adjustments

	Historical		Current	Forecast				
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Other Revenues</b>								
Cash Short/Over	\$ 1,664	\$ (3,378)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W- Illegal Connection	44,587	128,872	105,000	105,000	105,000	105,000	105,000	105,000
W- Install Fee	199,167	199,286	200,000	200,000	200,000	200,000	200,000	200,000
W- Reconnect Fee	106,040	96,665	100,000	100,000	100,000	100,000	100,000	100,000
W- NSF Checks	4,350	3,690	5,000	5,000	5,000	5,000	5,000	5,000
Miscellaneous (GSWA)	30,520	13,383	15,000	15,000	15,000	15,000	15,000	15,000
Rent - GTA lease	27,000	27,000	27,000	27,000	27,000	27,000	27,000	27,000
Miscellaneous Admin	-	39,265	-	-	-	-	-	-
W- Account Analysis	10	40	-	-	-	-	-	-
W- Special Reading Fee	-	-	-	-	-	-	-	-
W- Inspect Fee	3,100	3,200	3,000	3,000	3,000	3,000	3,000	3,000
Honey - Bucket	48,050	59,145	60,000	60,000	60,000	60,000	60,000	60,000
Liquidated Damages	-	-	-	-	-	-	-	-
Special Damages	-	-	-	-	-	-	-	-
<b>Total Other Revenues</b>	<b>\$ 464,488</b>	<b>\$ 567,167</b>	<b>\$ 515,000</b>	<b>\$ 515,000</b>	<b>\$ 515,000</b>	<b>\$ 515,000</b>	<b>\$ 515,000</b>	<b>\$ 515,000</b>
<b>Interest Revenues &amp; Adjustments</b>								
Interest Revenues <sup>1</sup>	\$ 275,879	\$ 1,972,141	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
Revenue Adjustments <sup>2</sup>	\$ (1,407,844)	\$ (3,044,250)	\$ (1,760,284)	\$ (2,270,766)	\$ (2,554,612)	\$ (2,810,073)	\$ (3,091,081)	\$ (3,400,189)

1 - Interest revenues on operating reserves and associated accounts

2 - Adjustment from billed to audited revenues (includes accruals, unbilled consumption, and other post-billing adjustments)



## Schedule I

### Other Cash Flow Items

	Historical Years		Current Year	Forecast Years				
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Other Cash Flow Items</b>								
Rate Stabilization Transfers Out (In) <sup>1</sup>	\$ 5,750,000	\$ 5,650,000	\$ -	\$ -	\$ (2,500,000)	\$ (2,500,000)	\$ (2,500,000)	\$ (2,500,000)
ARPA Funding		- 12,400,000						
<b>Total Other Cash Flow Items</b>	<b>\$ 5,750,000</b>	<b>\$ 18,050,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (2,500,000)</b>	<b>\$ (2,500,000)</b>	<b>\$ (2,500,000)</b>	<b>\$ (2,500,000)</b>

1 - Rate stabilization transfers may vary based on actual financial performance and targeted debt service coverage

**Schedule J-1W**

Proof of Water System Revenues, Forecast Year #1

	Customer Class								
<b>FY 2025</b>	<b>RES</b>	<b>COM-1</b>	<b>COM-2</b>	<b>COM-3</b>	<b>HOT</b>	<b>GOV</b>	<b>AG</b>	<b>IRR</b>	<b>TOTAL</b>
<b>BILLING DETERMINANTS</b>									
Water Demand (kgals)									
Tier 1 (up to 5 kgals)	1,701,052	600,252	54,840	127,408	573,258	514,378	47,721	3,727	
Tier 2 (above 5 kgals)	1,472,552	-	-	-	-	-	-	-	
Tier 3 (NA)	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>3,173,604</b>	<b>600,252</b>	<b>54,840</b>	<b>127,408</b>	<b>573,258</b>	<b>514,378</b>	<b>47,721</b>	<b>3,727</b>	<b>5,095,188</b>
Water Accounts by Meter Size									
3/4 inch	40,061	1,635	2	167	2	129	261	15	
1 inch	307	286	2	31	1	37	34	6	
1.5 inch	97	292	4	42	2	71	23	5	
2 inch	24	143	4	25	7	46	7	7	
3 inch	8	23	2	6	4	31	-	-	
4 inch	19	47	4	8	19	27	-	-	
6 inch	12	27	2	3	14	15	-	-	
8 inch	2	1	2	-	4	4	-	-	
10 inch	-	2	-	-	1	2	-	-	
12 inch	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>40,530</b>	<b>2,456</b>	<b>22</b>	<b>282</b>	<b>54</b>	<b>362</b>	<b>325</b>	<b>33</b>	<b>44,064</b>
<b>WATER RATES</b>									
Volumetric Rates									
Tier 1 (up to 5 kgals)	\$ 3.51	\$ 23.38	\$ 23.38	\$ 23.38	\$ 23.38	\$ 23.38	\$ 7.51	\$ 7.77	
Tier 2 (above 5 kgals)	\$ 18.81	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Tier 3 (NA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Monthly Base Charges by Meter Size									
3/4 inch	\$ 39.50	\$ 39.50	\$ 39.50	\$ 39.50	\$ 39.50	\$ 39.50	\$ 38.16	\$ 39.50	
1 inch	\$ 46.10	\$ 46.10	\$ 46.10	\$ 46.10	\$ 46.10	\$ 46.10	\$ 44.54	\$ 46.10	
1.5 inch	\$ 72.32	\$ 72.32	\$ 72.32	\$ 72.32	\$ 72.32	\$ 72.32	\$ 69.90	\$ 72.32	
2 inch	\$ 92.12	\$ 92.12	\$ 92.12	\$ 92.12	\$ 92.12	\$ 92.12	\$ 89.01	\$ 92.12	
3 inch	\$ 164.54	\$ 164.54	\$ 164.54	\$ 164.54	\$ 164.54	\$ 164.54	\$ 159.01	\$ 164.54	
4 inch	\$ 230.33	\$ 230.33	\$ 230.33	\$ 230.33	\$ 230.33	\$ 230.33	\$ 222.54	\$ 230.33	
6 inch	\$ 427.73	\$ 427.73	\$ 427.73	\$ 427.73	\$ 427.73	\$ 427.73	\$ 413.27	\$ 427.73	
8 inch	\$ 625.13	\$ 625.13	\$ 625.13	\$ 625.13	\$ 625.13	\$ 625.13	\$ 603.98	\$ 625.13	
10 inch	\$ 855.47	\$ 855.47	\$ 855.47	\$ 855.47	\$ 855.47	\$ 855.47	\$ 826.53	\$ 855.47	
12 inch	\$ 1,019.92	\$ 1,019.92	\$ 1,019.92	\$ 1,019.92	\$ 1,019.92	\$ 1,019.92	\$ 985.41	\$ 1,019.92	
<b>WATER RATE REVENUES</b>									
Volume Revenues									
Tier 1 (up to 5 kgals)	\$ 5,970,691	\$ 14,033,882	\$ 1,282,148	\$ 2,978,794	\$ 13,402,779	\$ 12,026,159	\$ 358,388	\$ 28,962	
Tier 2 (above 5 kgals)	27,698,705	-	-	-	-	-	-	-	
Tier 3 (NA)	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>\$ 33,669,396</b>	<b>\$ 14,033,882</b>	<b>\$ 1,282,148</b>	<b>\$ 2,978,794</b>	<b>\$ 13,402,779</b>	<b>\$ 12,026,159</b>	<b>\$ 358,388</b>	<b>\$ 28,962</b>	<b>\$ 77,780,508</b>
Base Charge Revenues									
3/4 inch	\$ 18,988,914	\$ 774,990	\$ 948	\$ 79,158	\$ 948	\$ 61,146	\$ 119,517	\$ 7,110	
1 inch	169,832	158,215	1,106	17,149	553	20,468	18,172	3,319	
1.5 inch	84,180	253,409	3,471	36,449	1,736	61,617	19,292	4,339	
2 inch	26,531	158,078	4,422	27,636	7,738	50,850	7,477	7,738	
3 inch	15,796	45,413	3,949	11,847	7,898	61,209	-	-	
4 inch	52,515	129,906	11,056	22,112	52,515	74,627	-	-	
6 inch	61,593	138,585	10,266	15,398	71,859	76,991	-	-	
8 inch	15,003	7,502	15,003	-	30,006	30,006	-	-	
10 inch	-	20,531	-	-	10,266	20,531	-	-	
12 inch	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>\$ 19,414,365</b>	<b>\$ 1,686,629</b>	<b>\$ 50,221</b>	<b>\$ 209,749</b>	<b>\$ 183,519</b>	<b>\$ 457,446</b>	<b>\$ 164,459</b>	<b>\$ 22,506</b>	<b>\$ 22,188,894</b>
<b>FORECAST CALIBRATION</b>									
Calibration factor <sup>1</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	
Calibrated Revenues	\$ 53,004,135	\$ 15,696,930	\$ 1,330,370	\$ 3,183,761	\$ 13,565,918	\$ 12,464,879	\$ 522,062	\$ 51,391	<b>\$ 99,819,447</b>
<b>LEGISLATIVE SURCHARGE</b>									
Surcharge	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	
Surcharge Revenues	\$ 1,646,484	\$ 549,393	\$ 46,563	\$ 111,432	\$ 474,807	\$ 436,271	\$ 18,272	\$ 1,799	<b>\$ 3,285,020</b>
<b>Totals by Class</b>	<b>\$ 54,650,619</b>	<b>\$ 16,246,323</b>	<b>\$ 1,376,933</b>	<b>\$ 3,295,192</b>	<b>\$ 14,040,725</b>	<b>\$ 12,901,150</b>	<b>\$ 540,335</b>	<b>\$ 53,190</b>	<b>\$ 103,104,467</b>

1 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs)

**Schedule J-2W**

Proof of Water System Revenues, Forecast Year #2

										Customer Class									
<b>FY 2026</b>										RES	COM-1	COM-2	COM-3	HOT	GOV	AG	IRR	TOTAL	
<b>BILLING DETERMINANTS</b>																			
Water Demand (kgals)																			
Tier 1 (up to 5 kgals)	1,684,535	591,639	52,413	125,592	593,752	516,186	47,041	3,674											
Tier 2 (above 5 kgals)	1,458,254	-	-	-	-	-	-	-											
Tier 3 (NA)	-	-	-	-	-	-	-	-											
<b>Subtotal</b>	<b>3,142,788</b>	<b>591,639</b>	<b>52,413</b>	<b>125,592</b>	<b>593,752</b>	<b>516,186</b>	<b>47,041</b>	<b>3,674</b>											<b>5,073,086</b>
Water Accounts by Meter Size																			
3/4 inch	40,261	1,641	2	167	2	130	261	15											
1 inch	304	286	2	31	1	37	34	6											
1.5 inch	97	292	4	42	2	71	23	5											
2 inch	24	143	4	25	7	46	7	7											
3 inch	8	23	2	6	4	31	-	-											
4 inch	19	47	4	8	19	27	-	-											
6 inch	12	27	2	3	14	15	-	-											
8 inch	2	1	2	-	4	4	-	-											
10 inch	-	2	-	-	1	2	-	-											
12 inch	-	-	-	-	-	-	-	-											
<b>Subtotal</b>	<b>40,727</b>	<b>2,462</b>	<b>22</b>	<b>282</b>	<b>54</b>	<b>363</b>	<b>325</b>	<b>33</b>											<b>44,268</b>
<b>WATER RATES</b>																			
Volumetric Rates																			
Tier 1 (up to 5 kgals)	\$ 3.95	\$ 26.31	\$ 26.31	\$ 26.31	\$ 26.31	\$ 26.31	\$ 8.45	\$ 8.75											
Tier 2 (above 5 kgals)	\$ 21.17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -											
Tier 3 (NA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -											
Monthly Base Charges by Meter Size																			
3/4 inch	\$ 44.44	\$ 44.44	\$ 44.44	\$ 44.44	\$ 44.44	\$ 44.44	\$ 42.93	\$ 44.44											
1 inch	\$ 51.87	\$ 51.87	\$ 51.87	\$ 51.87	\$ 51.87	\$ 51.87	\$ 50.11	\$ 51.87											
1.5 inch	\$ 81.36	\$ 81.36	\$ 81.36	\$ 81.36	\$ 81.36	\$ 81.36	\$ 78.64	\$ 81.36											
2 inch	\$ 103.64	\$ 103.64	\$ 103.64	\$ 103.64	\$ 103.64	\$ 103.64	\$ 100.14	\$ 103.64											
3 inch	\$ 185.11	\$ 185.11	\$ 185.11	\$ 185.11	\$ 185.11	\$ 185.11	\$ 178.89	\$ 185.11											
4 inch	\$ 259.13	\$ 259.13	\$ 259.13	\$ 259.13	\$ 259.13	\$ 259.13	\$ 250.36	\$ 259.13											
6 inch	\$ 481.20	\$ 481.20	\$ 481.20	\$ 481.20	\$ 481.20	\$ 481.20	\$ 464.93	\$ 481.20											
8 inch	\$ 703.28	\$ 703.28	\$ 703.28	\$ 703.28	\$ 703.28	\$ 703.28	\$ 679.48	\$ 703.28											
10 inch	\$ 962.41	\$ 962.41	\$ 962.41	\$ 962.41	\$ 962.41	\$ 962.41	\$ 929.85	\$ 962.41											
12 inch	\$ 1,147.41	\$ 1,147.41	\$ 1,147.41	\$ 1,147.41	\$ 1,147.41	\$ 1,147.41	\$ 1,108.59	\$ 1,147.41											
<b>WATER RATE REVENUES</b>																			
Volume Revenues																			
Tier 1 (up to 5 kgals)	\$ 6,653,912	\$ 15,566,028	\$ 1,378,982	\$ 3,304,332	\$ 15,621,622	\$ 13,580,849	\$ 397,500	\$ 32,150											
Tier 2 (above 5 kgals)	30,871,233	-	-	-	-	-	-	-											
Tier 3 (NA)	-	-	-	-	-	-	-	-											
<b>Subtotal</b>	<b>\$ 37,525,144</b>	<b>\$ 15,566,028</b>	<b>\$ 1,378,982</b>	<b>\$ 3,304,332</b>	<b>\$ 15,621,622</b>	<b>\$ 13,580,849</b>	<b>\$ 397,500</b>	<b>\$ 32,150</b>											<b>\$ 87,406,608</b>
Base Charge Revenues																			
3/4 inch	\$ 21,470,386	\$ 875,112	\$ 1,067	\$ 89,058	\$ 1,067	\$ 69,326	\$ 134,457	\$ 7,999											
1 inch	189,222	178,018	1,245	19,296	622	23,030	20,445	3,735											
1.5 inch	94,703	285,085	3,905	41,005	1,953	69,319	21,705	4,882											
2 inch	29,848	177,846	4,975	31,092	8,706	57,209	8,412	8,706											
3 inch	17,771	51,090	4,443	13,328	8,885	68,861	-	-											
4 inch	59,082	146,149	12,438	24,876	59,082	83,958	-	-											
6 inch	69,293	155,909	11,549	17,323	80,842	86,616	-	-											
8 inch	16,879	8,439	16,879	-	33,757	33,757	-	-											
10 inch	-	23,098	-	-	11,549	23,098	-	-											
12 inch	-	-	-	-	-	-	-	-											
<b>Subtotal</b>	<b>\$ 21,947,183</b>	<b>\$ 1,900,748</b>	<b>\$ 56,500</b>	<b>\$ 235,978</b>	<b>\$ 206,462</b>	<b>\$ 515,175</b>	<b>\$ 185,018</b>	<b>\$ 25,321</b>											<b>\$ 25,072,385</b>
<b>FORECAST CALIBRATION</b>																			
Calibration factor <sup>1</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%											
Calibrated Revenues	\$ 59,383,119	\$ 17,440,576	\$ 1,433,329	\$ 3,535,000	\$ 15,804,343	\$ 14,074,880	\$ 581,644	\$ 57,385											<b>\$ 112,310,275</b>
<b>LEGISLATIVE SURCHARGE</b>																			
Surcharge	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%											
Surcharge Revenues	\$ 1,687,654	\$ 558,098	\$ 45,867	\$ 113,120	\$ 505,739	\$ 450,396	\$ 18,613	\$ 1,836											<b>\$ 3,381,323</b>
<b>Totals by Class</b>										<b>\$ 61,070,773</b>	<b>\$ 17,998,674</b>	<b>\$ 1,479,196</b>	<b>\$ 3,648,120</b>	<b>\$ 16,310,081</b>	<b>\$ 14,525,276</b>	<b>\$ 600,257</b>	<b>\$ 59,221</b>	<b>\$ 115,691,598</b>	

1 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs)

**Schedule J-3W**

Proof of Water System Revenues, Forecast Year #3

	Customer Class								
<b>FY 2027</b>	RES	COM-1	COM-2	COM-3	HOT	GOV	AG	IRR	TOTAL
<b>BILLING DETERMINANTS</b>									
Water Demand (kgals)									
Tier 1 (up to 5 kgals)	1,678,804	585,134	50,290	124,274	617,205	521,365	46,547	3,636	
Tier 2 (above 5 kgals)	1,453,293	-	-	-	-	-	-	-	
Tier 3 (NA)	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>3,132,096</b>	<b>585,134</b>	<b>50,290</b>	<b>124,274</b>	<b>617,205</b>	<b>521,365</b>	<b>46,547</b>	<b>3,636</b>	<b>5,080,548</b>
Water Accounts by Meter Size									
3/4 inch	40,463	1,646	2	167	2	132	261	15	
1 inch	301	286	2	31	1	37	34	6	
1.5 inch	97	292	4	42	2	71	23	5	
2 inch	24	143	4	25	7	46	7	7	
3 inch	8	23	2	6	4	31	-	-	
4 inch	19	47	4	8	19	27	-	-	
6 inch	12	27	2	3	14	15	-	-	
8 inch	2	1	2	-	4	4	-	-	
10 inch	-	2	-	-	1	2	-	-	
12 inch	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>40,926</b>	<b>2,467</b>	<b>22</b>	<b>282</b>	<b>54</b>	<b>365</b>	<b>325</b>	<b>33</b>	<b>44,474</b>
<b>WATER RATES</b>									
Volumetric Rates									
Tier 1 (up to 5 kgals)	\$ 3.95	\$ 28.95	\$ 28.95	\$ 28.95	\$ 28.95	\$ 28.95	\$ 9.30	\$ 9.63	
Tier 2 (above 5 kgals)	\$ 23.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Tier 3 (NA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Monthly Base Charges by Meter Size									
3/4 inch	\$ 48.89	\$ 48.89	\$ 48.89	\$ 48.89	\$ 48.89	\$ 48.89	\$ 47.23	\$ 48.89	
1 inch	\$ 57.06	\$ 57.06	\$ 57.06	\$ 57.06	\$ 57.06	\$ 57.06	\$ 55.13	\$ 57.06	
1.5 inch	\$ 89.50	\$ 89.50	\$ 89.50	\$ 89.50	\$ 89.50	\$ 89.50	\$ 86.51	\$ 89.50	
2 inch	\$ 114.01	\$ 114.01	\$ 114.01	\$ 114.01	\$ 114.01	\$ 114.01	\$ 110.16	\$ 114.01	
3 inch	\$ 203.63	\$ 203.63	\$ 203.63	\$ 203.63	\$ 203.63	\$ 203.63	\$ 196.78	\$ 203.63	
4 inch	\$ 285.05	\$ 285.05	\$ 285.05	\$ 285.05	\$ 285.05	\$ 285.05	\$ 275.40	\$ 285.05	
6 inch	\$ 529.32	\$ 529.32	\$ 529.32	\$ 529.32	\$ 529.32	\$ 529.32	\$ 511.43	\$ 529.32	
8 inch	\$ 773.61	\$ 773.61	\$ 773.61	\$ 773.61	\$ 773.61	\$ 773.61	\$ 747.43	\$ 773.61	
10 inch	\$ 1,058.66	\$ 1,058.66	\$ 1,058.66	\$ 1,058.66	\$ 1,058.66	\$ 1,058.66	\$ 1,022.84	\$ 1,058.66	
12 inch	\$ 1,262.16	\$ 1,262.16	\$ 1,262.16	\$ 1,262.16	\$ 1,262.16	\$ 1,262.16	\$ 1,219.45	\$ 1,262.16	
<b>WATER RATE REVENUES</b>									
Volume Revenues									
Tier 1 (up to 5 kgals)	\$ 6,631,274	\$ 16,939,625	\$ 1,455,900	\$ 3,597,718	\$ 17,868,099	\$ 15,093,530	\$ 432,892	\$ 35,011	
Tier 2 (above 5 kgals)	33,847,186	-	-	-	-	-	-	-	
Tier 3 (NA)	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>\$ 40,478,460</b>	<b>\$ 16,939,625</b>	<b>\$ 1,455,900</b>	<b>\$ 3,597,718</b>	<b>\$ 17,868,099</b>	<b>\$ 15,093,530</b>	<b>\$ 432,892</b>	<b>\$ 35,011</b>	<b>\$ 95,901,235</b>
Base Charge Revenues									
3/4 inch	\$ 23,738,833	\$ 965,675	\$ 1,173	\$ 97,976	\$ 1,173	\$ 77,442	\$ 147,924	\$ 8,800	
1 inch	206,101	195,830	1,369	21,226	685	25,335	22,493	4,108	
1.5 inch	104,178	313,608	4,296	45,108	2,148	76,254	23,877	5,370	
2 inch	32,835	195,641	5,472	34,203	9,577	62,934	9,253	9,577	
3 inch	19,548	56,202	4,887	14,661	9,774	75,750	-	-	
4 inch	64,991	160,768	13,682	27,365	64,991	92,356	-	-	
6 inch	76,222	171,500	12,704	19,056	88,926	95,278	-	-	
8 inch	18,567	9,283	18,567	-	37,133	37,133	-	-	
10 inch	-	25,408	-	-	12,704	25,408	-	-	
12 inch	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>\$ 24,261,275</b>	<b>\$ 2,093,915</b>	<b>\$ 62,151</b>	<b>\$ 259,595</b>	<b>\$ 227,112</b>	<b>\$ 567,889</b>	<b>\$ 203,548</b>	<b>\$ 27,855</b>	<b>\$ 27,703,340</b>
<b>FORECAST CALIBRATION</b>									
Calibration factor <sup>1</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	
Calibrated Revenues	\$ 64,642,626	\$ 19,004,990	\$ 1,515,774	\$ 3,851,527	\$ 18,068,068	\$ 15,637,927	\$ 635,485	\$ 62,772	<b>\$ 123,419,168</b>
<b>LEGISLATIVE SURCHARGE</b>									
Surcharge	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	
Surcharge Revenues	\$ 1,740,639	\$ 570,150	\$ 45,473	\$ 115,546	\$ 542,042	\$ 469,138	\$ 19,065	\$ 1,883	<b>\$ 3,503,935</b>
<b>Totals by Class</b>	<b>\$ 66,383,265</b>	<b>\$ 19,575,139</b>	<b>\$ 1,561,247</b>	<b>\$ 3,967,073</b>	<b>\$ 18,610,110</b>	<b>\$ 16,107,065</b>	<b>\$ 654,549</b>	<b>\$ 64,656</b>	<b>\$ 126,923,103</b>

1 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs)

**Schedule J-4W**

Proof of Water System Revenues, Forecast Year #4

										Customer Class
FY 2028	RES	COM-1	COM-2	COM-3	HOT	GOV	AG	IRR	TOTAL	
<b>BILLING DETERMINANTS</b>										
Water Demand (kgals)										
Tier 1 (up to 5 kgals)	1,673,053	578,932	48,253	122,969	641,585	525,146	46,059	3,597		
Tier 2 (above 5 kgals)	1,448,314	-	-	-	-	-	-	-		
Tier 3 (NA)	-	-	-	-	-	-	-	-		
<b>Subtotal</b>	<b>3,121,367</b>	<b>578,932</b>	<b>48,253</b>	<b>122,969</b>	<b>641,585</b>	<b>525,146</b>	<b>46,059</b>	<b>3,597</b>	<b>5,087,908</b>	
Water Accounts by Meter Size										
3/4 inch	40,665	1,652	2	167	2	133	261	15		
1 inch	298	286	2	31	1	37	34	6		
1.5 inch	97	292	4	42	2	71	23	5		
2 inch	24	143	4	25	7	46	7	7		
3 inch	8	23	2	6	4	31	-	-		
4 inch	19	47	4	8	19	27	-	-		
6 inch	12	27	2	3	14	15	-	-		
8 inch	2	1	2	-	4	4	-	-		
10 inch	-	2	-	-	1	2	-	-		
12 inch	-	-	-	-	-	-	-	-		
<b>Subtotal</b>	<b>41,125</b>	<b>2,473</b>	<b>22</b>	<b>282</b>	<b>54</b>	<b>366</b>	<b>325</b>	<b>33</b>	<b>44,680</b>	
<b>WATER RATES</b>										
Volumetric Rates										
Tier 1 (up to 5 kgals)	\$ 3.95	\$ 31.85	\$ 31.85	\$ 31.85	\$ 31.85	\$ 31.85	\$ 10.23	\$ 10.60		
Tier 2 (above 5 kgals)	\$ 25.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Tier 3 (NA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Monthly Base Charges by Meter Size										
3/4 inch	\$ 53.78	\$ 53.78	\$ 53.78	\$ 53.78	\$ 53.78	\$ 53.78	\$ 51.96	\$ 53.78		
1 inch	\$ 62.77	\$ 62.77	\$ 62.77	\$ 62.77	\$ 62.77	\$ 62.77	\$ 60.65	\$ 62.77		
1.5 inch	\$ 98.45	\$ 98.45	\$ 98.45	\$ 98.45	\$ 98.45	\$ 98.45	\$ 95.17	\$ 98.45		
2 inch	\$ 125.42	\$ 125.42	\$ 125.42	\$ 125.42	\$ 125.42	\$ 125.42	\$ 121.18	\$ 125.42		
3 inch	\$ 224.00	\$ 224.00	\$ 224.00	\$ 224.00	\$ 224.00	\$ 224.00	\$ 216.46	\$ 224.00		
4 inch	\$ 313.56	\$ 313.56	\$ 313.56	\$ 313.56	\$ 313.56	\$ 313.56	\$ 302.94	\$ 313.56		
6 inch	\$ 582.26	\$ 582.26	\$ 582.26	\$ 582.26	\$ 582.26	\$ 582.26	\$ 562.58	\$ 582.26		
8 inch	\$ 850.98	\$ 850.98	\$ 850.98	\$ 850.98	\$ 850.98	\$ 850.98	\$ 822.18	\$ 850.98		
10 inch	\$ 1,164.53	\$ 1,164.53	\$ 1,164.53	\$ 1,164.53	\$ 1,164.53	\$ 1,164.53	\$ 1,125.13	\$ 1,164.53		
12 inch	\$ 1,388.38	\$ 1,388.38	\$ 1,388.38	\$ 1,388.38	\$ 1,388.38	\$ 1,388.38	\$ 1,341.40	\$ 1,388.38		
<b>WATER RATE REVENUES</b>										
Volume Revenues										
Tier 1 (up to 5 kgals)	\$ 6,608,558	\$ 18,438,975	\$ 1,536,870	\$ 3,916,551	\$ 20,434,486	\$ 16,725,914	\$ 471,181	\$ 38,133		
Tier 2 (above 5 kgals)	37,105,809	-	-	-	-	-	-	-		
Tier 3 (NA)	-	-	-	-	-	-	-	-		
<b>Subtotal</b>	<b>\$ 43,714,366</b>	<b>\$ 18,438,975</b>	<b>\$ 1,536,870</b>	<b>\$ 3,916,551</b>	<b>\$ 20,434,486</b>	<b>\$ 16,725,914</b>	<b>\$ 471,181</b>	<b>\$ 38,133</b>	<b>\$ 105,276,477</b>	
Base Charge Revenues										
3/4 inch	\$ 26,243,564	\$ 1,066,135	\$ 1,291	\$ 107,775	\$ 1,291	\$ 85,833	\$ 162,739	\$ 9,680		
1 inch	224,466	215,427	1,506	23,350	753	27,870	24,745	4,519		
1.5 inch	114,596	344,969	4,726	49,619	2,363	83,879	26,267	5,907		
2 inch	36,121	215,221	6,020	37,626	10,535	69,232	10,179	10,535		
3 inch	21,504	61,824	5,376	16,128	10,752	83,328	-	-		
4 inch	71,492	176,848	15,051	30,102	71,492	101,593	-	-		
6 inch	83,845	188,652	13,974	20,961	97,820	104,807	-	-		
8 inch	20,424	10,212	20,424	-	40,847	40,847	-	-		
10 inch	-	27,949	-	-	13,974	27,949	-	-		
12 inch	-	-	-	-	-	-	-	-		
<b>Subtotal</b>	<b>\$ 26,816,011</b>	<b>\$ 2,307,235</b>	<b>\$ 68,368</b>	<b>\$ 285,561</b>	<b>\$ 249,827</b>	<b>\$ 625,338</b>	<b>\$ 223,930</b>	<b>\$ 30,642</b>	<b>\$ 30,606,913</b>	
<b>FORECAST CALIBRATION</b>										
Calibration factor <sup>1</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%		
Calibrated Revenues	\$ 70,424,582	\$ 20,715,091	\$ 1,602,830	\$ 4,195,810	\$ 20,653,286	\$ 17,325,225	\$ 694,068	\$ 68,672	<b>\$ 135,679,564</b>	
<b>LEGISLATIVE SURCHARGE</b>										
Surcharge	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		
Surcharge Revenues	\$ 1,914,778	\$ 621,453	\$ 48,085	\$ 125,874	\$ 619,599	\$ 519,757	\$ 20,822	\$ 2,060	<b>\$ 3,872,428</b>	
<b>Totals by Class</b>	<b>\$ 72,339,360</b>	<b>\$ 21,336,544</b>	<b>\$ 1,650,915</b>	<b>\$ 4,321,684</b>	<b>\$ 21,272,885</b>	<b>\$ 17,844,981</b>	<b>\$ 714,890</b>	<b>\$ 70,732</b>	<b>\$ 139,551,992</b>	

1 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs)

**Schedule J-5W**

Proof of Water System Revenues, Forecast Year #5

Customer Class

<b>FY 2029</b>	<b>RES</b>	<b>COM-1</b>	<b>COM-2</b>	<b>COM-3</b>	<b>HOT</b>	<b>GOV</b>	<b>AG</b>	<b>IRR</b>	<b>TOTAL</b>
<b>BILLING DETERMINANTS</b>									
Water Demand (kgals)									
Tier 1 (up to 5 kgals)	1,667,323	572,792	46,299	121,677	666,928	528,951	45,575	3,560	
Tier 2 (above 5 kgals)	1,443,354	-	-	-	-	-	-	-	
Tier 3 (NA)	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>3,110,676</b>	<b>572,792</b>	<b>46,299</b>	<b>121,677</b>	<b>666,928</b>	<b>528,951</b>	<b>45,575</b>	<b>3,560</b>	<b>5,096,458</b>
Water Accounts by Meter Size									
3/4 inch	40,868	1,658	2	167	2	134	261	15	
1 inch	295	286	2	31	1	37	34	6	
1.5 inch	97	292	4	42	2	71	23	5	
2 inch	24	143	4	25	7	46	7	7	
3 inch	8	23	2	6	4	31	-	-	
4 inch	19	47	4	8	19	27	-	-	
6 inch	12	27	2	3	14	15	-	-	
8 inch	2	1	2	-	4	4	-	-	
10 inch	-	2	-	-	1	2	-	-	
12 inch	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>41,325</b>	<b>2,479</b>	<b>22</b>	<b>282</b>	<b>54</b>	<b>367</b>	<b>325</b>	<b>33</b>	<b>44,887</b>
<b>WATER RATES</b>									
Volumetric Rates									
Tier 1 (up to 5 kgals)	\$ 3.95	\$ 35.04	\$ 35.04	\$ 35.04	\$ 35.04	\$ 35.04	\$ 11.26	\$ 11.66	
Tier 2 (above 5 kgals)	\$ 28.19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Tier 3 (NA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Monthly Base Charges by Meter Size									
3/4 inch	\$ 59.16	\$ 59.16	\$ 59.16	\$ 59.16	\$ 59.16	\$ 59.16	\$ 57.16	\$ 59.16	
1 inch	\$ 69.05	\$ 69.05	\$ 69.05	\$ 69.05	\$ 69.05	\$ 69.05	\$ 66.72	\$ 69.05	
1.5 inch	\$ 108.30	\$ 108.30	\$ 108.30	\$ 108.30	\$ 108.30	\$ 108.30	\$ 104.69	\$ 108.30	
2 inch	\$ 137.97	\$ 137.97	\$ 137.97	\$ 137.97	\$ 137.97	\$ 137.97	\$ 133.30	\$ 137.97	
3 inch	\$ 246.40	\$ 246.40	\$ 246.40	\$ 246.40	\$ 246.40	\$ 246.40	\$ 238.11	\$ 246.40	
4 inch	\$ 344.92	\$ 344.92	\$ 344.92	\$ 344.92	\$ 344.92	\$ 344.92	\$ 333.24	\$ 344.92	
6 inch	\$ 640.49	\$ 640.49	\$ 640.49	\$ 640.49	\$ 640.49	\$ 640.49	\$ 618.84	\$ 640.49	
8 inch	\$ 936.08	\$ 936.08	\$ 936.08	\$ 936.08	\$ 936.08	\$ 936.08	\$ 904.40	\$ 936.08	
10 inch	\$ 1,280.99	\$ 1,280.99	\$ 1,280.99	\$ 1,280.99	\$ 1,280.99	\$ 1,280.99	\$ 1,237.65	\$ 1,280.99	
12 inch	\$ 1,527.22	\$ 1,527.22	\$ 1,527.22	\$ 1,527.22	\$ 1,527.22	\$ 1,527.22	\$ 1,475.54	\$ 1,527.22	
<b>WATER RATE REVENUES</b>									
Volume Revenues									
Tier 1 (up to 5 kgals)	\$ 6,585,924	\$ 20,070,630	\$ 1,622,321	\$ 4,263,579	\$ 23,369,147	\$ 18,534,438	\$ 513,176	\$ 41,506	
Tier 2 (above 5 kgals)	40,688,145	-	-	-	-	-	-	-	
Tier 3 (NA)	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>\$ 47,274,069</b>	<b>\$ 20,070,630</b>	<b>\$ 1,622,321</b>	<b>\$ 4,263,579</b>	<b>\$ 23,369,147</b>	<b>\$ 18,534,438</b>	<b>\$ 513,176</b>	<b>\$ 41,506</b>	<b>\$ 115,688,867</b>
Base Charge Revenues									
3/4 inch	\$ 29,013,011	\$ 1,177,047	\$ 1,420	\$ 118,557	\$ 1,420	\$ 95,129	\$ 179,025	\$ 10,649	
1 inch	244,437	236,980	1,657	25,687	829	30,658	27,222	4,972	
1.5 inch	126,061	379,483	5,198	54,583	2,599	92,272	28,894	6,498	
2 inch	39,735	236,757	6,623	41,391	11,589	76,159	11,197	11,589	
3 inch	23,654	68,006	5,914	17,741	11,827	91,661	-	-	
4 inch	78,642	194,535	16,556	33,112	78,642	111,754	-	-	
6 inch	92,231	207,519	15,372	23,058	107,602	115,288	-	-	
8 inch	22,466	11,233	22,466	-	44,932	44,932	-	-	
10 inch	-	30,744	-	-	15,372	30,744	-	-	
12 inch	-	-	-	-	-	-	-	-	
<b>Subtotal</b>	<b>\$ 29,640,237</b>	<b>\$ 2,542,303</b>	<b>\$ 75,205</b>	<b>\$ 314,128</b>	<b>\$ 274,812</b>	<b>\$ 688,597</b>	<b>\$ 246,339</b>	<b>\$ 33,708</b>	<b>\$ 33,815,330</b>
<b>FORECAST CALIBRATION</b>									
Calibration factor <sup>1</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	
Calibrated Revenues	\$ 76,798,934	\$ 22,579,014	\$ 1,694,981	\$ 4,570,840	\$ 23,608,493	\$ 19,194,201	\$ 758,375	\$ 75,101	<b>\$ 149,279,940</b>
<b>LEGISLATIVE SURCHARGE</b>									
Surcharge	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	
Surcharge Revenues	\$ 2,106,687	\$ 677,370	\$ 50,849	\$ 137,125	\$ 708,255	\$ 575,826	\$ 22,751	\$ 2,253	<b>\$ 4,281,117</b>
<b>Totals by Class</b>	<b>\$ 78,905,621</b>	<b>\$ 23,256,384</b>	<b>\$ 1,745,830</b>	<b>\$ 4,707,966</b>	<b>\$ 24,316,748</b>	<b>\$ 19,770,027</b>	<b>\$ 781,126</b>	<b>\$ 77,354</b>	<b>\$ 153,561,057</b>

1 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs)

**Schedule J-1WW**

Proof of Wastewater System Revenues, Forecast Year #1

	Customer Class									
	FY 2025	RES	COM-1	COM-2	COM-3	HOT	GOV	Leachate	NAVY	TOTAL
<b>BILLING DETERMINANTS</b>										
Billable Flows (kgals)										
Subtotal	-	371,410	43,727	98,611	376,799	384,591	30,000	561,000	1,866,138	
Wastewater Accounts by Meter Size										
3/4 inch <sup>1</sup>	28,365	1,323	-	161	1	75				
1 inch	144	209	1	29	1	29				
1.5 inch	57	224	4	40	2	49				
2 inch	21	98	4	25	7	38				
3 inch	8	20	2	6	4	28				
4 inch	16	33	4	8	18	25				
6 inch	10	16	2	2	13	13				
8 inch	2	1	2	-	4	4				
10 inch	-	1	-	-	-	2				
12 inch	-	-	-	-	-	-				
Subtotal	28,623	1,925	19	271	50	263	-	-	31,151	
<b>WASTEWATER RATES</b>										
Volumetric Rates										
Rate per Kgal	\$ -	\$ 12.89	\$ 31.40	\$ 43.54	\$ 31.40	\$ 18.43	\$ 18.99	\$ 18.43		
Monthly Base Charges by Meter Size										
3/4 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.5 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
6 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
10 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
12 inch	\$ 32.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>WASTEWATER RATE REVENUES</b>										
Volume Revenues										
Subtotal	\$ -	\$ 4,787,471	\$ 1,373,032	\$ 4,293,509	\$ 11,831,504	\$ 7,088,018	\$ 569,700	\$ 10,339,230	\$ 40,282,464	
Base Charge Revenues										
3/4 inch	\$ 10,939,813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1 inch	55,538	-	-	-	-	-	-	-	-	
1.5 inch	21,984	-	-	-	-	-	-	-	-	
2 inch	8,099	-	-	-	-	-	-	-	-	
3 inch	3,085	-	-	-	-	-	-	-	-	
4 inch	6,171	-	-	-	-	-	-	-	-	
6 inch	3,857	-	-	-	-	-	-	-	-	
8 inch	771	-	-	-	-	-	-	-	-	
10 inch	-	-	-	-	-	-	-	-	-	
12 inch	-	-	-	-	-	-	-	-	-	
Subtotal	\$ 11,039,319	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,039,319	
<b>FORECAST CALIBRATION</b>										
Calibration factor <sup>2</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	NA	NA		
Calibrated Revenues	\$ 11,022,760	\$ 4,780,290	\$ 1,370,972	\$ 4,287,069	\$ 11,813,757	\$ 7,077,386	\$ 569,700	\$ 10,339,230	\$ 51,261,163	
<b>LEGISLATIVE SURCHARGE</b>										
Surcharge	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%		
Surcharge Revenues	\$ -	\$ 167,310	\$ 47,984	\$ 150,047	\$ 413,481	\$ 247,709	\$ 19,940	\$ 361,873	\$ 1,408,344	
<b>Totals by Class</b>	<b>\$ 11,022,760</b>	<b>\$ 4,947,600</b>	<b>\$ 1,418,956</b>	<b>\$ 4,437,116</b>	<b>\$ 12,227,238</b>	<b>\$ 7,325,095</b>	<b>\$ 589,640</b>	<b>\$ 10,701,103</b>	<b>\$ 52,669,507</b>	

1 - Includes multi-family units that receive the residential wastewater charge

2 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs); Navy and leachate revenues are therefore excluded



**Schedule J-2WW**

Proof of Wastewater System Revenues, Forecast Year #2

FY 2026	Customer Class									TOTAL
	RES	COM-1	COM-2	COM-3	HOT	GOV	Leachate	NAVY		
<b>BILLING DETERMINANTS</b>										
Billable Flows (kgals)										
<b>Subtotal</b>	-	366,081	41,792	97,205	390,270	385,943	30,000	572,220		1,883,511
Wastewater Accounts by Meter Size										
3/4 inch <sup>1</sup>	28,463	1,330	-	161	1	75				
1 inch	143	209	1	29	1	29				
1.5 inch	57	224	4	40	2	49				
2 inch	21	98	4	25	7	38				
3 inch	8	20	2	6	4	28				
4 inch	16	33	4	8	18	25				
6 inch	10	16	2	2	13	13				
8 inch	2	1	2	-	4	4				
10 inch	-	1	-	-	-	2				
12 inch	-	-	-	-	-	-				
<b>Subtotal</b>	<b>28,720</b>	<b>1,932</b>	<b>19</b>	<b>271</b>	<b>50</b>	<b>263</b>				<b>31,255</b>
<b>WASTEWATER RATES</b>										
Volumetric Rates										
Rate per Kgal	\$ -	\$ 14.51	\$ 35.33	\$ 48.99	\$ 35.33	\$ 20.74	\$ 21.37	\$ 20.74		
Monthly Base Charges by Meter Size										
3/4 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1.5 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>WASTEWATER RATE REVENUES</b>										
Volume Revenues										
<b>Subtotal</b>	<b>\$ -</b>	<b>\$ 5,311,831</b>	<b>\$ 1,476,519</b>	<b>\$ 4,762,097</b>	<b>\$ 13,788,241</b>	<b>\$ 8,004,457</b>	<b>\$ 641,100</b>	<b>\$ 11,867,843</b>		<b>\$ 45,852,088</b>
Base Charge Revenues										
3/4 inch	\$ 12,350,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1 inch	62,051	-	-	-	-	-	-	-	-	-
1.5 inch	24,733	-	-	-	-	-	-	-	-	-
2 inch	9,112	-	-	-	-	-	-	-	-	-
3 inch	3,471	-	-	-	-	-	-	-	-	-
4 inch	6,943	-	-	-	-	-	-	-	-	-
6 inch	4,339	-	-	-	-	-	-	-	-	-
8 inch	868	-	-	-	-	-	-	-	-	-
10 inch	-	-	-	-	-	-	-	-	-	-
12 inch	-	-	-	-	-	-	-	-	-	-
<b>Subtotal</b>	<b>\$ 12,462,182</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,462,182</b>
<b>FORECAST CALIBRATION</b>										
Calibration factor <sup>2</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	NA	NA		
Calibrated Revenues	\$ 12,443,489	\$ 5,303,864	\$ 1,474,304	\$ 4,754,953	\$ 13,767,559	\$ 7,992,451	\$ 641,100	\$ 11,867,843		\$ 58,245,562
<b>LEGISLATIVE SURCHARGE</b>										
Surcharge	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	
Surcharge Revenues	\$ -	\$ 169,724	\$ 47,178	\$ 152,159	\$ 440,562	\$ 255,758	\$ 20,515	\$ 379,771		\$ 1,465,666
<b>Totals by Class</b>	<b>\$ 12,443,489</b>	<b>\$ 5,473,587</b>	<b>\$ 1,521,482</b>	<b>\$ 4,907,112</b>	<b>\$ 14,208,121</b>	<b>\$ 8,248,209</b>	<b>\$ 661,615</b>	<b>\$ 12,247,614</b>		<b>\$ 59,711,229</b>

1 - Includes multi-family units that receive the residential wastewater charge

2 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs); Navy and leachate revenues are therefore excluded

**Schedule J-3WW**

Proof of Wastewater System Revenues, Forecast Year #3

	Customer Class									
	FY 2027	RES	COM-1	COM-2	COM-3	HOT	GOV	Leachate	NAVY	TOTAL
<b>BILLING DETERMINANTS</b>										
Billable Flows (kgals)										
Subtotal	-	362,055	40,100	96,185	405,686	389,816	30,000	583,664	1,907,506	
Wastewater Accounts by Meter Size										
3/4 inch <sup>1</sup>	28,562	1,336	-	161	1	75				
1 inch	142	209	1	29	1	29				
1.5 inch	57	224	4	40	2	49				
2 inch	21	98	4	25	7	38				
3 inch	8	20	2	6	4	28				
4 inch	16	33	4	8	18	25				
6 inch	10	16	2	2	13	13				
8 inch	2	1	2	-	4	4				
10 inch	-	1	-	-	-	2				
12 inch	-	-	-	-	-	-				
Subtotal	28,818	1,938	19	271	50	263	-	-	31,359	
<b>WASTEWATER RATES</b>										
Volumetric Rates										
Rate per Kgal	\$ -	\$ 15.97	\$ 38.87	\$ 53.89	\$ 38.87	\$ 22.82	\$ 23.51	\$ 22.82		
Monthly Base Charges by Meter Size										
3/4 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1.5 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
6 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
10 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
12 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>WASTEWATER RATE REVENUES</b>										
Volume Revenues										
Subtotal	\$ -	\$ 5,782,026	\$ 1,558,672	\$ 5,183,400	\$ 15,769,005	\$ 8,895,594	\$ 705,300	\$ 13,319,222	\$ 51,213,219	
Base Charge Revenues										
3/4 inch	\$ 12,393,623	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
1 inch	61,617	-	-	-	-	-	-	-	-	
1.5 inch	24,733	-	-	-	-	-	-	-	-	
2 inch	9,112	-	-	-	-	-	-	-	-	
3 inch	3,471	-	-	-	-	-	-	-	-	
4 inch	6,943	-	-	-	-	-	-	-	-	
6 inch	4,339	-	-	-	-	-	-	-	-	
8 inch	868	-	-	-	-	-	-	-	-	
10 inch	-	-	-	-	-	-	-	-	-	
12 inch	-	-	-	-	-	-	-	-	-	
Subtotal	\$ 12,504,707	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,504,707
<b>FORECAST CALIBRATION</b>										
Calibration factor <sup>2</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	NA	NA		
Calibrated Revenues	\$ 12,485,950	\$ 5,773,353	\$ 1,556,334	\$ 5,175,625	\$ 15,745,351	\$ 8,882,251	\$ 705,300	\$ 13,319,222	\$ 63,643,385	
<b>LEGISLATIVE SURCHARGE</b>										
Surcharge	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	
Surcharge Revenues	\$ -	\$ 173,201	\$ 46,690	\$ 155,269	\$ 472,361	\$ 266,468	\$ 21,159	\$ 399,577	\$ 1,534,723	
<b>Totals by Class</b>	<b>\$ 12,485,950</b>	<b>\$ 5,946,554</b>	<b>\$ 1,603,024</b>	<b>\$ 5,330,894</b>	<b>\$ 16,217,712</b>	<b>\$ 9,148,718</b>	<b>\$ 726,459</b>	<b>\$ 13,718,798</b>	<b>\$ 65,178,108</b>	

1 - Includes multi-family units that receive the residential wastewater charge

2 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs); Navy and leachate revenues are therefore excluded

**Schedule J-4WW**

Proof of Wastewater System Revenues, Forecast Year #4

FY 2028	Customer Class									TOTAL
	RES	COM-1	COM-2	COM-3	HOT	GOV	Leachate	NAVY		
<b>BILLING DETERMINANTS</b>										
Billable Flows (kgals)										
<b>Subtotal</b>	-	358,218	38,476	95,175	421,710	392,643	30,000	595,338		1,931,559
Wastewater Accounts by Meter Size										
3/4 inch <sup>1</sup>	28,661	1,343	-	161	1	75				
1 inch	142	209	1	29	1	29				
1.5 inch	57	224	4	40	2	49				
2 inch	21	98	4	25	7	38				
3 inch	8	20	2	6	4	28				
4 inch	16	33	4	8	18	25				
6 inch	10	16	2	2	13	13				
8 inch	2	1	2	-	4	4				
10 inch	-	1	-	-	-	2				
12 inch	-	-	-	-	-	-				
<b>Subtotal</b>	<b>28,917</b>	<b>1,945</b>	<b>19</b>	<b>271</b>	<b>50</b>	<b>263</b>				<b>31,465</b>
<b>WASTEWATER RATES</b>										
Volumetric Rates										
Rate per Kgal	\$ -	\$ 17.57	\$ 42.76	\$ 59.28	\$ 42.76	\$ 25.11	\$ 25.87	\$ 25.11		
Monthly Base Charges by Meter Size										
3/4 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1.5 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>WASTEWATER RATE REVENUES</b>										
Volume Revenues										
<b>Subtotal</b>	<b>\$ -</b>	<b>\$ 6,293,888</b>	<b>\$ 1,645,216</b>	<b>\$ 5,641,967</b>	<b>\$ 18,032,333</b>	<b>\$ 9,859,257</b>	<b>\$ 776,100</b>	<b>\$ 14,948,929</b>		<b>\$ 57,197,691</b>
Base Charge Revenues										
3/4 inch	\$ 12,436,581	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1 inch	61,617	-	-	-	-	-	-	-	-	-
1.5 inch	24,733	-	-	-	-	-	-	-	-	-
2 inch	9,112	-	-	-	-	-	-	-	-	-
3 inch	3,471	-	-	-	-	-	-	-	-	-
4 inch	6,943	-	-	-	-	-	-	-	-	-
6 inch	4,339	-	-	-	-	-	-	-	-	-
8 inch	868	-	-	-	-	-	-	-	-	-
10 inch	-	-	-	-	-	-	-	-	-	-
12 inch	-	-	-	-	-	-	-	-	-	-
<b>Subtotal</b>	<b>\$ 12,547,665</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,547,665</b>
<b>FORECAST CALIBRATION</b>										
Calibration factor <sup>2</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	NA	NA		
Calibrated Revenues	\$ 12,528,843	\$ 6,284,447	\$ 1,642,748	\$ 5,633,504	\$ 18,005,285	\$ 9,844,468	\$ 776,100	\$ 14,948,929		\$ 69,664,325
<b>LEGISLATIVE SURCHARGE</b>										
Surcharge	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	
Surcharge Revenues	\$ -	\$ 188,533	\$ 49,282	\$ 169,005	\$ 540,159	\$ 295,334	\$ 23,283	\$ 448,468		\$ 1,714,064
<b>Totals by Class</b>	<b>\$ 12,528,843</b>	<b>\$ 6,472,980</b>	<b>\$ 1,692,031</b>	<b>\$ 5,802,509</b>	<b>\$ 18,545,443</b>	<b>\$ 10,139,802</b>	<b>\$ 799,383</b>	<b>\$ 15,397,397</b>		<b>\$ 71,378,389</b>

1 - Includes multi-family units that receive the residential wastewater charge

2 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs); Navy and leachate revenues are therefore excluded

**Schedule J-5WW**

Proof of Wastewater System Revenues, Forecast Year #5

FY 2029	Customer Class									TOTAL
	RES	COM-1	COM-2	COM-3	HOT	GOV	Leachate	NAVY		
<b>BILLING DETERMINANTS</b>										
Billable Flows (kgals)										
<b>Subtotal</b>	-	354,419	36,917	94,176	438,368	395,487	30,000	607,244		1,956,611
Wastewater Accounts by Meter Size										
3/4 inch <sup>1</sup>	28,761	1,350	-	161	1	75				
1 inch	141	209	1	29	1	29				
1.5 inch	57	224	4	40	2	49				
2 inch	21	98	4	25	7	38				
3 inch	8	20	2	6	4	28				
4 inch	16	33	4	8	18	25				
6 inch	10	16	2	2	13	13				
8 inch	2	1	2	-	4	4				
10 inch	-	1	-	-	-	2				
12 inch	-	-	-	-	-	-				
<b>Subtotal</b>	<b>29,016</b>	<b>1,952</b>	<b>19</b>	<b>271</b>	<b>50</b>	<b>263</b>				<b>31,571</b>
<b>WASTEWATER RATES</b>										
Volumetric Rates										
Rate per Kgal	\$ -	\$ 19.33	\$ 47.04	\$ 65.21	\$ 47.04	\$ 27.63	\$ 28.46	\$ 27.63		
Monthly Base Charges by Meter Size										
3/4 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1.5 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12 inch	\$ 36.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>WASTEWATER RATE REVENUES</b>										
Volume Revenues										
<b>Subtotal</b>	<b>\$ -</b>	<b>\$ 6,850,916</b>	<b>\$ 1,736,591</b>	<b>\$ 6,141,187</b>	<b>\$ 20,620,825</b>	<b>\$ 10,927,310</b>	<b>\$ 853,800</b>	<b>\$ 16,778,164</b>		<b>\$ 63,908,794</b>
Base Charge Revenues										
3/4 inch	\$ 12,479,973	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1 inch	61,183	-	-	-	-	-	-	-	-	-
1.5 inch	24,733	-	-	-	-	-	-	-	-	-
2 inch	9,112	-	-	-	-	-	-	-	-	-
3 inch	3,471	-	-	-	-	-	-	-	-	-
4 inch	6,943	-	-	-	-	-	-	-	-	-
6 inch	4,339	-	-	-	-	-	-	-	-	-
8 inch	868	-	-	-	-	-	-	-	-	-
10 inch	-	-	-	-	-	-	-	-	-	-
12 inch	-	-	-	-	-	-	-	-	-	-
<b>Subtotal</b>	<b>\$ 12,590,623</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,590,623</b>
<b>FORECAST CALIBRATION</b>										
Calibration factor <sup>2</sup>	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	NA	NA		
Calibrated Revenues	\$ 12,571,737	\$ 6,840,640	\$ 1,733,986	\$ 6,131,976	\$ 20,589,894	\$ 10,910,920	\$ 853,800	\$ 16,778,164		\$ 76,411,116
<b>LEGISLATIVE SURCHARGE</b>										
Surcharge	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		
Surcharge Revenues	\$ -	\$ 205,219	\$ 52,020	\$ 183,959	\$ 617,697	\$ 327,328	\$ 25,614	\$ 503,345		\$ 1,915,181
<b>Totals by Class</b>	<b>\$ 12,571,737</b>	<b>\$ 7,045,859</b>	<b>\$ 1,786,006</b>	<b>\$ 6,315,935</b>	<b>\$ 21,207,591</b>	<b>\$ 11,238,247</b>	<b>\$ 879,414</b>	<b>\$ 17,281,509</b>		<b>\$ 78,326,297</b>

1 - Includes multi-family units that receive the residential wastewater charge

2 - Adjustment factor calibrates historical billing determinants and actual revenue performance with predicted results from the RAM's revenue forecasting module; this adjustment primarily accounts for partial bills that occur within the billing data (move-ins and move-outs); Navy and leachate revenues are therefore excluded

## Schedule K

### Proposed Rate Adjustments

		Proposed Rates				
	Existing	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
<b>Water Rates</b>						
<b>Monthly Base Charge<sup>1</sup></b>						
3/4 inch	\$30.62	\$39.50	\$44.44	\$48.89	\$53.78	\$59.16
1 inch	\$35.73	\$46.10	\$51.87	\$57.06	\$62.77	\$69.05
1.5 inch	\$56.06	\$72.32	\$81.36	\$89.50	\$98.45	\$108.30
2 inch	\$71.41	\$92.12	\$103.64	\$114.01	\$125.42	\$137.97
3 inch	\$127.55	\$164.54	\$185.11	\$203.63	\$224.00	\$246.40
4 inch	\$178.55	\$230.33	\$259.13	\$285.05	\$313.56	\$344.92
6 inch	\$331.57	\$427.73	\$481.20	\$529.32	\$582.26	\$640.49
8 inch	\$484.59	\$625.13	\$703.28	\$773.61	\$850.98	\$936.08
10 inch	\$663.15	\$855.47	\$962.41	\$1,058.66	\$1,164.53	\$1,280.99
12 inch	\$790.63	\$1,019.92	\$1,147.41	\$1,262.16	\$1,388.38	\$1,527.22
<b>Volumetric Rates</b>						
<b>Residential</b>						
Tier 1 Threshold	5 kgals	5 kgals	5 kgals	5 kgals	5 kgals	5 kgals
Tier 1 Rate	\$ 3.51	\$ 3.51	\$ 3.95	\$ 3.95	\$ 3.95	\$ 3.95
Tier 2 Rate	\$14.58	\$18.81	\$21.17	\$23.29	\$25.62	\$28.19
<b>Non-Residential<sup>2</sup></b>						
Commercial-1	\$18.12	\$23.38	\$26.31	\$28.95	\$31.85	\$35.04
Commercial-2	\$18.12	\$23.38	\$26.31	\$28.95	\$31.85	\$35.04
Commercial-3	\$18.12	\$23.38	\$26.31	\$28.95	\$31.85	\$35.04
Hotels	\$18.12	\$23.38	\$26.31	\$28.95	\$31.85	\$35.04
Government	\$18.12	\$23.38	\$26.31	\$28.95	\$31.85	\$35.04
Agriculture	\$5.82	\$7.51	\$8.45	\$9.30	\$10.23	\$11.26
Irrigation	\$6.02	\$7.77	\$8.75	\$9.63	\$10.60	\$11.66
<b>Wastewater Rates</b>						
<b>Monthly Base Charge<sup>3</sup></b>						
3/4 inch	\$32.14	\$32.14	\$36.16	\$36.16	\$36.16	\$36.16
1 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.5 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12 inch	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Volumetric Rates</b>						
Residential	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commercial-1	\$9.99	\$12.89	\$14.51	\$15.97	\$17.57	\$19.33
Commercial-2	\$24.34	\$31.40	\$35.33	\$38.87	\$42.76	\$47.04
Commercial-3	\$33.75	\$43.54	\$48.99	\$53.89	\$59.28	\$65.21
Hotels	\$24.34	\$31.40	\$35.33	\$38.87	\$42.76	\$47.04
Government	\$14.28	\$18.43	\$20.74	\$22.82	\$25.11	\$27.63
Leachate	\$14.72	\$18.99	\$21.37	\$23.51	\$25.87	\$28.46
Navy	\$14.28	\$18.43	\$20.74	\$22.82	\$25.11	\$27.63
<b>Legislative Surcharge</b>						
Surcharge	3.80%	3.50%	3.20%	3.00%	3.00%	3.00%

1 - The Agriculture customer class receives an approximate 3.4% discount to the water base charge for all meter sizes

2 - Non-residential volumetric water rates are applied to all levels of demand

3 - Currently, only residential customers - regardless of meter size - receive a \$32.14 monthly wastewater charge

## Schedule L

### Monthly Bill Impacts by Customer Class

			Forecast Years						
Meter	Kgals		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
<b>Customer Class</b>									
Residential	3/4 inch	3	\$74.45	\$83.55	\$93.87	\$98.37	\$103.40	\$108.94	
				\$9.10	\$10.32	\$4.50	\$5.03	\$5.54	\$34.49
				12.2%	12.4%	4.8%	5.1%	5.4%	46.3%
Residential	3/4 inch	7	\$111.74	\$129.51	\$145.47	\$154.24	\$164.08	\$174.92	
				\$17.77	\$15.96	\$8.77	\$9.84	\$10.84	\$63.18
				15.9%	12.3%	6.0%	6.4%	6.6%	56.5%
Residential	3/4 inch	12	\$187.41	\$226.85	\$254.70	\$274.19	\$296.02	\$320.09	
				\$39.44	\$27.85	\$19.49	\$21.83	\$24.07	\$132.68
				21.0%	12.3%	7.7%	8.0%	8.1%	70.8%
Commercial-1	3/4 inch	30	\$844.91	\$1,087.02	\$1,219.80	\$1,339.69	\$1,473.89	\$1,621.51	
				\$242.11	\$132.78	\$119.89	\$134.20	\$147.62	\$776.60
				28.7%	12.2%	9.8%	10.0%	10.0%	91.9%
Commercial-2	2 inch	500	\$19,584.37	\$25,194.09	\$28,267.14	\$31,041.12	\$34,149.05	\$37,568.19	
				\$5,609.72	\$3,073.05	\$2,773.98	\$3,107.93	\$3,419.14	\$17,983.82
				28.6%	12.2%	9.8%	10.0%	10.0%	91.8%
Commercial-3	3/4 inch	50	\$2,373.51	\$3,053.35	\$3,425.77	\$3,761.55	\$4,138.00	\$4,552.15	
				\$679.84	\$372.42	\$335.78	\$376.45	\$414.15	\$2,178.64
				28.6%	12.2%	9.8%	10.0%	10.0%	91.8%
Hotel	4 inch	500	\$19,695.58	\$25,337.14	\$28,427.61	\$31,217.29	\$34,342.84	\$37,781.35	
				\$5,641.56	\$3,090.47	\$2,789.68	\$3,125.55	\$3,438.51	\$18,085.77
				28.6%	12.2%	9.8%	10.0%	10.0%	91.8%
Government	1.5 inch	200	\$6,191.52	\$7,966.52	\$8,938.94	\$9,816.62	\$10,800.63	\$11,883.21	
				\$1,775.00	\$972.42	\$877.68	\$984.01	\$1,082.58	\$5,691.69
				28.7%	12.2%	9.8%	10.0%	10.0%	91.9%
Agriculture	3/4 inch	20	\$151.53	\$194.95	\$218.71	\$240.23	\$264.26	\$290.83	
				\$43.42	\$23.76	\$21.52	\$24.03	\$26.57	\$139.30
				28.7%	12.2%	9.8%	10.0%	10.1%	91.9%
Irrigation	3/4 inch	20	\$156.76	\$201.72	\$226.46	\$248.73	\$273.75	\$301.13	
				\$44.96	\$24.74	\$22.27	\$25.02	\$27.38	\$144.37
				28.7%	12.3%	9.8%	10.1%	10.0%	92.1%

Guam Waterworks Authority  
Sample Bill Summary  
FY2024 - FY2029

ATTACHMENT D

Rate Class	Kgals	ACTUAL		PROPOSED			
		2024	2025	2026	2027	2028	2029
		<b>16.70%</b>	<b>29.00%</b>	<b>12.50%</b>	<b>10.00%</b>	<b>10.00%</b>	<b>10.00%</b>
1 Residential	3	\$74.45	\$83.55	\$93.87	\$98.37	\$103.40	\$108.94
Nominal Change			\$9.10	\$10.32	\$4.50	\$5.03	\$5.54
Percentage Change			12.2%	12.4%	4.8%	5.1%	5.4%
2 Residential	7	\$111.74	\$129.51	\$145.47	\$154.24	\$164.08	\$174.92
Nominal Change			\$17.77	\$15.96	\$8.77	\$9.84	\$10.84
Percentage Change			15.9%	12.3%	6.0%	6.4%	6.6%
3 Residential	12	\$187.41	\$226.85	\$254.70	\$274.19	\$296.02	\$320.09
Nominal Change			\$39.44	\$27.85	\$19.49	\$21.83	\$24.07
Percentage Change			21.0%	12.3%	7.7%	8.0%	8.1%
4 Commercial 1	30	\$844.91	\$1,087.02	\$1,219.80	\$1,339.69	\$1,473.89	\$1,621.51
Nominal Change			\$242.11	\$132.78	\$119.89	\$134.20	\$147.62
Percentage Change			28.7%	12.2%	9.8%	10.0%	10.0%
5 Commercial 2	500	\$19,584.37	\$25,194.09	\$28,267.14	\$31,041.12	\$34,149.05	\$37,568.19
Nominal Change			\$5,609.72	\$3,073.05	\$2,773.98	\$3,107.93	\$3,419.14
Percentage Change			28.6%	12.2%	9.8%	10.0%	10.0%
6 Commercial 3	50	\$2,373.51	\$3,053.35	\$3,425.77	\$3,761.55	\$4,138.00	\$4,552.15
Nominal Change			\$679.84	\$372.42	\$335.78	\$376.45	\$414.15
Percentage Change			28.6%	12.2%	9.8%	10.0%	10.0%
7 Hotel	500	\$19,695.58	\$25,337.14	\$28,427.61	\$31,217.29	\$34,342.84	\$37,781.35
Nominal Change			\$5,641.56	\$3,090.47	\$2,789.69	\$3,125.55	\$3,438.51
Percentage Change			28.6%	12.2%	9.8%	10.0%	10.0%
8 Government	200	\$6,191.52	\$7,966.52	\$8,938.94	\$9,816.62	\$10,800.63	\$11,883.21
Nominal Change			\$1,775.00	\$972.42	\$877.68	\$984.01	\$1,082.58
Percentage Change			28.7%	12.2%	9.8%	10.0%	10.0%
9 Agriculture	20	\$151.53	\$194.95	\$218.71	\$240.23	\$264.26	\$290.83
Nominal Change			\$43.42	\$23.76	\$21.52	\$24.03	\$26.57
Percentage Change			28.7%	12.2%	9.8%	10.0%	10.1%
10 Irrigation	20	\$156.76	\$201.72	\$226.46	\$248.73	\$273.75	\$301.13
Nominal Change			\$44.96	\$24.74	\$22.27	\$25.02	\$27.38
Percentage Change			28.7%	12.3%	9.8%	10.1%	10.0%

Commerical 1 - Grocery Store  
Commercial 2 - Industrial Laundry  
Commercial 3 - Restaurant



# ATTACHMENT E

<b>Individual Capital Projects in Nominal Dollars</b>								
<i>Projected encumbrances by project by category by year</i>								
Project Number	Project Description		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	
<b>Water Production</b>								
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project		\$ 119,024	\$ -	\$ -	\$ -	\$ -	\$ -
MP-PW-SWTP-02	Ugum SWTP Intake Modifications		3,203,900	-	-	-	-	-
MP-PW-Well-01	Well Rehabilitation		9,014,155	7,582,640	7,885,945	16,402,766		717,966
MP-PW-Well-02	Well Equipment Overhaul		3,387,737	3,523,247	5,038,243	3,810,744		2,476,983
MP-PW-Well-03	Capacity Enhancement – Well Exploration		1,347,268	1,401,159	1,457,206	1,393,828		1,576,114
MP-PW-Well-04	Capacity Enhancement – Well Development and Construction		11,119,180	-	-	-	-	618,430
MP-PW-Well-05	Wellhead Protection		594,880	618,675	643,422	669,159		948,989
MP-PW-Well-06	Well Repair		811,200	956,134	994,380	1,998,883		3,285,965
MP-PW-SW-01	Santa Rita Spring Impoundment Expansion		-	5,061,888	4,094,505	-	-	-
<b>Subtotal, Water Production</b>		<b>\$ 102,754,617</b>	<b>\$ 29,597,345</b>	<b>\$ 19,143,743</b>	<b>\$ 20,113,701</b>	<b>\$ 24,275,381</b>		<b>\$ 9,624,448</b>
<b>Water Treatment Program</b>								
MP-PW-Well-08	Emerging Contaminants Water Treatment Design & Construction		\$ 2,704,000	\$ 6,749,184	\$ 7,019,151	\$ 7,299,917		\$ 10,122,552
MP-PW-Well-09	Emerging Contaminants Well Transmission Mains Design & Construction		2,163,200	5,624,320	5,849,293	6,083,265		10,122,552
MP-PW-Well-10	Emerging Contaminants Well Pumps & Booster Stations		2,163,200	4,499,456	7,019,151	7,299,917		7,591,914
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project		1,767,515	1,838,216	1,911,744	1,988,214		2,067,743
<b>Subtotal, Water Treatment Program</b>		<b>\$ 101,884,505</b>	<b>\$ 8,797,915</b>	<b>\$ 18,711,176</b>	<b>\$ 21,799,340</b>	<b>\$ 22,671,313</b>		<b>\$ 29,904,761</b>
<b>Water Distribution - System Improvement Program</b>								
MP-PW-Pipe-01	Astumbo Zone Piping		\$ -	\$ 1,407,094	\$ 5,853,510	\$ -	\$ -	\$ -
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping		760,177	4,821,835	5,014,708	-	-	-
MP-PW-Pipe-03	Harmon Cliffline Piping to Route 1		591,403	-	-	-	-	-
MP-PW-Pipe-04	Hyundai Well Piping		762,966	-	-	-	-	-
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment		479,818	-	-	-	-	-
MP-PW-Pipe-07	Mataguac BPS Suction Piping		1,022,403	-	-	-	-	-
MP-PW-Pipe-08	Nimitz Lower BPS Piping		168,773	2,130,949	-	-	-	-
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment		248,278	3,139,125	-	-	-	-
MP-PW-Pipe-10	Miscellaneous Piping Projects		-	-	1,354,048	-	-	-
MP-PW-Pipe-11	Miscellaneous Piping Connections		162,357	168,851	175,605	182,629		189,935
MP-PW-Pipe-12	Piping Rehabilitation and Replacement		-	10,239,146	10,648,711	22,149,320		8,158,707
MP-PW-Pipe-13	2-Inch Pipe Replacement		-	11,209,847	11,892,212	12,319,234		2,855,547
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement		-	13,962,142	14,520,628	25,169,088		6,282,204
MP-PW-Pipe-15	PRV Rehab and Replacement		2,047,595	2,129,499	2,214,679	2,303,266		2,395,396
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement		784,586	489,582	848,608	529,531		407,935
<b>Subtotal, Water Distribution- System Improvement</b>		<b>\$ 192,191,928</b>	<b>\$ 7,028,355</b>	<b>\$ 49,698,069</b>	<b>\$ 52,522,710</b>	<b>\$ 62,653,069</b>		<b>\$ 20,289,725</b>
<b>Water Distribution - Booster Pump Station Improvement</b>								
MP-PW-BPS-01	Rehabilitate and Replace BPSs		\$ 3,512,155	\$ -	\$ 226,295	\$ 235,347		\$ 244,761
MP-PW-BPS-01.A	Brigade Booster Pump Improvement		4,915,590	-	-	-		-
MP-PW-BPS-02	Nimitz Hill Upper BPS		-	69,629	-	-		-
MP-PW-BPS-03	Route 15 BPS		-	-	1,713,811	-		-
<b>Subtotal, Water Distribution- Booster Pump Stations</b>		<b>\$ 10,917,589</b>	<b>\$ 8,427,744</b>	<b>\$ 69,629</b>	<b>\$ 1,940,107</b>	<b>\$ 235,347</b>		<b>\$ 244,761</b>
<b>Water Storage Tank Improvements</b>								
MP-PW-Tank-08	Maloloj Tank		1,380,871	1,122,959	-	-		-
MP-PW-Tank-09A	Manenggon Hills Tanks A		2,393,510	1,025,949	-	-		-
MP-PW-Tank-10A	Nimitz Hill Tanks A		51,608	320,585	333,409	-		-
MP-PW-Tank-10B	Nimitz Hill Tanks B		51,608	320,585	333,409	-		-
MP-PW-Tank-13	Piti Tank		937,319	-	-	-		6,688,508
MP-PW-Tank-15	Sinifa Tank [formerly Santa Rita Tank]		-	-	-	-		6,688,508
MP-PW-Tank-22	Existing Tank Assessment Inspections		-	-	-	167,881		174,596
MP-PW-Tank-23	Recurring Tank Inspections		845,726	879,555	914,737	951,326		349,193
<b>Subtotal, Water Storage Tank Improvements</b>		<b>\$ 25,931,842</b>	<b>\$ 5,660,642</b>	<b>\$ 3,669,633</b>	<b>\$ 1,581,554</b>	<b>\$ 1,119,207</b>		<b>\$ 13,900,805</b>
<b>Wastewater Collection - Gravity Piping Projects</b>								
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement		\$ -	\$ 6,550,964	\$ 8,065,171	\$ 277,710		\$ 10,093,952
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement		-	6,744,707	-	-		-
MP-WW-Pipe-06	Rt.1 Dededo (Northern District Route 1 Capacity Replacement) Phase 1		581,392	6,896,210	7,172,059	7,458,941		-
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1		-	-	-	-		1,212,384
MP-WW-Pipe-14	Dededo Capacity Replacement		-	-	-	-		409,567
MP-WW-Pipe-17	Mamajanao Capacity Replacement		-	2,658,739	3,883,231	-		-
MP-WW-Pipe-18	Rt.12 at Rt.2 (Agat-Santa Rita Capacity Replacement) Phase 1		-	-	345,478	4,366,477		-
MP-WW-Pipe-19	Rt.12 at Rt.2 (Agat-Santa Rita Capacity Replacement) Phase 2 {first priority}		-	4,812,492	-	-		-
MP-WW-Pipe-20	Rt.12 at Rt.2 (Agat-Santa Rita Capacity Replacement) Phase 3		-	-	-	706,042		4,479,130
MP-WW-Pipe-24	Umatac-Merizo Capacity Replacement - Rt.4 (PS17 to PS14)		-	2,851,837	-	-		-
MP-WW-Pipe-27	Septic/Cesspool System Reduction		13,152,256	13,759,899	11,923,273	12,400,204		7,064,114
MP-WW-Pipe-28	CCTV Inspection, Assessment, Documentation, & Reporting		2,902,387	-	-	-		-
MP-WW-Pipe-29	Gravity Main Condition Assessment Report		-	112,486	-	-		-
MP-WW-Pipe-30	Future Gravity Main Rehabilitation and Replacement Plan		-	10,292,093	10,703,776	11,131,928		11,577,205
MP-WW-Pipe-33	Clean all mains [5 year rotation; 60 miles per year]		1,697,506	1,765,407	1,836,023	1,909,464		1,985,842

MP-WW-Pipe-34	"Hot Spot" Cleaning		63,276	-	-	-	-	-
MP-WW-MH-01	Manhole Rehabilitation		488,187	507,714	528,023	549,144	571,109	
<b>Subtotal, Wastewater Collection Gravity Piping Projts</b>			<b>\$ 196,487,799</b>	<b>\$ 18,885,004</b>	<b>\$ 56,952,548</b>	<b>\$ 44,457,034</b>	<b>\$ 38,799,909</b>	<b>\$ 37,393,304</b>
<b>Wastewater Collection - Forcemain Projects</b>								
MP-WW-FM-01	Force Main Rehabilitation/Replacement [25%]		\$ -	\$ -	\$ 7,141,886	\$ 7,427,561	\$ -	\$ -
MP-WW-FM-02	Replace Yigo Lift Station Force Main		4,647,538	-	-	-	-	-
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement		2,123,695	-	-	-	-	-
MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement		8,428,863	-	-	-	-	-
MP-WW-FM-05	Force Main Action Plan and Implementation [75%]		1,622,400	-	-	-	-	-
MP-WW-FM-08	Force Main Assessment		4,569,760	-	-	-	-	-
MP-WW-FM-09	Force Main Assessment Report		513,760	-	-	-	-	-
MP-WW-FM-10	Prepare a Force Main Spill Contingency Plan		216,320	-	-	-	-	-
MP-WW-FM-11	Preparation of a Force Main Operation and Preventative Maintenance Plan		216,320	-	-	-	-	-
MP-WW-FM-12	Implementation of the Force Main Operation and Maintenance Program		216,320	-	-	-	-	-
<b>Subtotal, Wastewater Collection Forcemain Projects</b>			<b>\$ 37,124,423</b>	<b>\$ 22,554,977</b>	<b>\$ -</b>	<b>\$ 7,141,886</b>	<b>\$ 7,427,561</b>	<b>\$ -</b>
<b>Wastewater Collection - Lift/Pump Station Projects</b>								
MP-WW-Pump-01	Lift Station Rehabilitation/Replacement - Comprehensive improvements		\$ -	\$ 2,249,728	\$ 2,339,717	\$ 2,433,306	\$ 2,530,638	\$ -
MP-WW-Pump-02	Tumon Basin - Fujita Lift Station		-	3,963,447	2,924,646	3,041,632	3,163,298	-
MP-WW-Pump-09	Tier 1 Pump Station Improvements (23 pump stations)		3,615,535	-	-	5,445,592	3,061,181	-
<b>Subtotal, Wastewater Collection Lift/Pump Station Projects</b>			<b>\$ 34,768,720</b>	<b>\$ 3,615,535</b>	<b>\$ 6,213,175</b>	<b>\$ 5,264,364</b>	<b>\$ 10,920,530</b>	<b>\$ 8,755,117</b>
<b>Wastewater Treatment Projects</b>								
MP-WW-WWTP-01	Hagåtña WWTP Primary Treatment Repair/Rehabilitation		\$ -	\$ -	\$ -	\$ 16,945,007	\$ 17,622,807	\$ -
MP-WW-WWTP-02.1	Hagåtña WWTP Secondary Treatment Upgrade Alternatives Evaluation		2,334,478	3,374,591	-	-	-	-
MP-WW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade		-	-	5,849,293	6,083,265	6,326,595	-
MP-WW-WWTP-03	Inarajan WWTP Repair/Rehabilitation		-	-	301,727	2,824,168	-	-
MP-WW-WWTP-09	Ocean Outfall Inspection		-	-	175,479	243,331	-	-
<b>Subtotal, Wastewater Treatment Projects</b>			<b>\$ 62,080,740</b>	<b>\$ 2,334,478</b>	<b>\$ 3,374,591</b>	<b>\$ 6,326,499</b>	<b>\$ 26,095,770</b>	<b>\$ 23,949,402</b>
<b>Electrical, Monitoring and Control Projects</b>								
MP-Gen-EE-02	Electrical: SCADA Implementation Phase B – Additional Sites		\$ 836,892	\$ 870,367	\$ 3,853,058	\$ -	\$ 4,167,468	\$ -
MP-Gen-EE-03	Electrical: SCADA Implementation Phase C – Additional Instruments		-	5,436,895	-	651,128	677,173	-
MP-Gen-EE-04	Electrical: SCADA Control Center System Improvement		3,222,032	3,350,914	-	-	-	-
MP-Gen-Misc-04	Monitoring: Information Technology Improvements		1,222,933	1,378,082	1,433,205	1,490,533	326,348	-
MP-Gen-Misc-03	Control: Surveying and Property Delineation		429,173	727,556	744,959	786,924	818,401	-
MP-Gen-Misc-09	Control: Security and Resilience		906,633	942,898	980,614	1,019,838	163,174	-
<b>Subtotal, Electrical Monitoring and Control Projects</b>			<b>\$ 36,437,196</b>	<b>\$ 6,617,663</b>	<b>\$ 12,706,711</b>	<b>\$ 7,011,836</b>	<b>\$ 3,948,423</b>	<b>\$ 6,152,564</b>
<b>General Plant Facility and Fleet</b>								
MP-Gen-Misc-05	GWA Customer Service, Warehouse, Test Bench and Improvements		\$ 5,811,747	\$ 6,044,217	\$ 6,285,986	\$ -	\$ -	\$ -
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility		3,942,594	-	-	-	4,612,278	-
MP-Gen-Misc-07	Mobile Equipment Replacement		1,622,400	1,687,296	1,754,788	1,824,979	652,697	-
MP-Gen-Misc-07.A	Wastewater Light Mobile Replacement Program		1,622,400	-	-	-	-	-
MP-Gen-Misc-08	General Plant Improvements		2,231,096	3,445,204	3,583,012	3,726,332	815,871	-
<b>Subtotal, General Plant Facility and Fleet</b>			<b>\$ 49,662,897</b>	<b>\$ 15,230,238</b>	<b>\$ 11,176,717</b>	<b>\$ 11,623,786</b>	<b>\$ 5,551,312</b>	<b>\$ 6,080,845</b>
<b>Miscellaneous Planning Program</b>								
MP-Gen-Misc-01	GWA Engineering Systems Planning		\$ 1,850,806	\$ 3,093,376	\$ 3,217,111	\$ 2,737,469	\$ 1,631,741	\$ -
MP-Gen-Misc-02A	WRMP Comprehensive Update & Water System Planning		-	-	-	2,039,677	2,121,263	-
MP-Gen-Misc-02B	WRMP Update (Interim Update)		144,333	-	301,727	-	-	-
<b>Subtotal, Miscellaneous Planning Program</b>			<b>\$ 17,137,503</b>	<b>\$ 1,995,139</b>	<b>\$ 3,093,376</b>	<b>\$ 3,518,838</b>	<b>\$ 4,777,146</b>	<b>\$ 3,753,005</b>
<b>Miscellaneous Water Supply Support Program</b>								
MP-PW-Misc-01	South Guam Water Supply Study		\$ -	\$ -	\$ 678,886	\$ -	\$ -	\$ -
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement		1,023,797	1,064,749	1,107,339	1,151,633	1,197,698	-
MP-PW-Misc-02.A	District Meter Area Implementation		6,128,820	-	-	-	-	-
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance		1,352,975	1,407,094	1,463,378	1,521,913	1,582,789	-
MP-PW-Misc-04	OneGuam		66,192	181,326	-	196,123	81,587	-
MP-PW-Misc-05	Leak Detection Assistance		267,364	446,789	464,660	483,247	502,576	-
<b>Subtotal, Miscellaneous Water Supply Support Program</b>			<b>\$ 22,370,936</b>	<b>\$ 8,839,149</b>	<b>\$ 3,099,958</b>	<b>\$ 3,714,263</b>	<b>\$ 3,352,915</b>	<b>\$ 3,364,651</b>
<b>Miscellaneous Wastewater Projects</b>								
MP-WW-Misc-01A	Update Wastewater Collection System Model (Major Update)		\$ 697,410	\$ -	\$ -	\$ -	\$ -	\$ -
MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)		1,115,855	-	-	-	-	-
MP-WW-Misc-02	I/I and SSES Assessments		703,040	-	760,408	-	-	822,457
MP-WW-Misc-03	Miscellaneous Wastewater Improvements		811,200	899,891	994,380	1,064,571	1,113,481	-
<b>Subtotal, Miscellaneous Wastewater Projects</b>			<b>\$ 8,982,693</b>	<b>\$ 3,327,505</b>	<b>\$ 899,891</b>	<b>\$ 1,754,788</b>	<b>\$ 1,064,571</b>	<b>\$ 1,935,938</b>

**Grand Total, Nominal Dollars \$ 898,733,389**