

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

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| <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> | <p>IN RE: PETITION FOR APPROVAL OF) DOCKET NUMBER NO. 19-08</p> <p>GWA’S THIRD FIVE-YEAR)</p> <p>FINANCIAL PLAN.) STIPULATIONS OF THE GUAM</p> <p>) WATERWORKS AUTHORITY AND</p> <p>) GEORGETOWN CONSULTING GROUP</p> <p>) ON BEHALF OF THE PUBLIC UTILITY</p> <p>) COMMISSION OF GUAM</p> <p>)</p> |
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PROPOSED STIPULATION

The GUAM WATERWORKS AUTHORITY (hereinafter “GWA”) and GEORGETOWN CONSULTING GROUP, INC. (hereinafter “GCG”) (hereinafter both jointly referred to as the “Parties”), hereby agree and stipulate to recommend the following to the GUAM PUBLIC UTILITIES COMMISSION (hereinafter “PUC”) for approval in Docket No. 19-08:

PREAMBLE

Whereas GWA published notice in a local paper of its intent to request PUC approval of water and sewer rate increases above existing tariffs on April 6, 2019; and

Whereas GWA conducted no less than seven (7) public hearings over the subsequent weeks, provided notice in the May 2019 customer billing cycle, and gave notice in the paper on June 6, 2019; and

Whereas the Guam Consolidated Commission on Utilities (CCU) under its budgetary authority in Public Law 26-76, by Resolution No. 36-FY 2019, approved filing of GWA’s Five-Year Financial Plan on June 5, 2019; and

Whereas GWA petitioned the PUC on July 6, 2019 for approval of its Five-Year Financial Plan and rate relief and submitted a complete application for rate relief in conformance with applicable PUC rules (Part 4: Application for Rate Relief, Rules 19 -21); and

Whereas, GCG was authorized by the PUC to serve as Technical Consultants on April 23, 2019 in Docket No. 19-08 to review GWA’s Petition and GCG reviewed GWA’s Petition and rate filing information; and

- 1 b. GWA will consider, as deemed appropriate, modeling the hotel class by individual
- 2 customer for the largest 10 – 20 customers and meeting with local hotel facility
- 3 managers about plans such as expansion and water conservation measures and
- 4 equipment that they plan to install within the next five (5) years. GWA will
- 5 consider, as deemed appropriate, the relationship between hotel water
- 6 consumption, tourist arrivals and room occupancy.
- 7 c. Related projections of GWA water production will be prepared specifically to
- 8 include consideration of demonstrated impacts of GWA’s water loss management
- 9 initiatives.
- 10 d. The study must be completed no later than March 31, 2021 for consideration by
- 11 the PUC in the FY 2022 Comprehensive Review and Update to GWA’s Five-Year
- 12 Financial Plan.

13 2. Water Loss Reduction – GWA will advance and expand water loss reduction

14 measures including accelerating planned water line replacements, implementation of district

15 metering areas and other high priority measures.

- 16 a. GWA will undertake a comprehensive systemwide water loss reduction program
- 17 designed to provide meaningful reductions in annual water loss volumes (kGal)
- 18 deemed to be economically justifiable. The Parties agree that any water loss
- 19 reduction project shown in the analytical study to have a benefit-cost ratio above
- 20 1.25 will be accelerated to the extent practicable.
- 21 b. GWA will continue its ongoing loss reduction field work with Water Systems
- 22 Optimization, Inc. (WSO), or other experts, for the purpose of identifying
- 23 implementable loss reduction measures and appropriate loss reduction targets for
- 24 its water system. GWA will evaluate calendar year 2020 outcomes of water loss
- 25 reduction efforts in district metering areas for consideration in making adjustments
- 26 to its FY 2022 – 2024 water production and variable expense estimates.
- 27 c. GWA will identify water loss reduction projects and the corresponding benefit-
- 28 cost ratio associated with each project and will rank each water loss reduction
- 29 project with a benefit-cost ratio above 1.0 from the highest to the lowest.
- 30 Documentation of water loss reductions achieved for the period and a
- 31 comprehensive five (5) year (FY 2022 – 2026) water loss reduction plan (inclusive
- 32 of annual loss reduction targets using appropriate and industry standard metrics)

1 will be completed and submitted no later than March 31, 2021 for consideration
 2 by the PUC in the FY 2022 Comprehensive Review and Update to GWA's Five-
 3 Year Financial Plan.

- 4 d. Annually, GWA will provide to the PUC information on results achieved, allowing
 5 the PUC to actively monitor and independently verify GWA's progress in water
 6 system loss reduction and its undertaking of the water loss reduction projects
 7 stipulated to in this proceeding. The annual report will be prepared in a form
 8 mutually agreeable by the Parties. These annual updates will include the
 9 identification of potential barriers to achievement of loss reduction targets and
 10 identification of any corrective actions required to ensure the targets are achieved.

11 3. Cost of Service/Rate Design - GWA must conduct a water and wastewater cost of
 12 service and rate design (COS) study that independently examines the allocation of costs to all
 13 customer classes of both the water and wastewater systems employing analysis methodologies as
 14 outlined in the American Water Works Association's (AWWA) and Water Environment
 15 Federation's (WEF) manuals of standard practice.¹

- 16 a. The COS study will examine GWA's current allocation of costs to its various
 17 water and wastewater customer classifications and present alternatives to GWA's
 18 current rate designs to support low-income affordability and water conservation
 19 objectives. The study must be completed and submitted to the PUC to support the
 20 FY 2022 Comprehensive Review and Update to GWA's Five-Year Financial Plan.

21 4. Affordability – GWA will prepare an evaluation of household water affordability
 22 using measures as outlined in the AWWA/NACWA²/WEF report submitted to EPA in May
 23 2019,³ and will prepare Financial Capability Assessment (FCA) information using its
 24 recommendations.

- 25 a. In conjunction with GWA's COS study, GWA will prepare an evaluation of
 26 options to address low-income water affordability challenges through both the
 27

28
 29

 30 ¹ AWWA Manual of Practice (M1), Principles of Water Rates, Fees and Charges, 7th Edition and WEF Manual of
 Practice (No. 27), Financing and Charges for Wastewater Systems, 4th Edition.

31 ² National Association of Clean Water Agencies (NACWA).

32 ³ "Developing a Framework for Household Affordability and Financial Capability Assessment in the Water Sector,"
 prepared by Raftelis, Galardi Rothstein Group, and Corona Consulting for the American Water Works Association,
 National Association of Clean Water Agencies, and Water Environment Federation, completed in April 2019 and
 submitted to US EPA in May 2019.

1 design of a Customer Assistance Program and revision of its current residential
2 lifeline rate structure. The study will consider alternative low-income Customer
3 Assistance Programs (CAP) and the financing of such programs (intra- and inter-
4 class subsidies) as well as rate design alternatives.

- 5 b. The Parties agree that reasonable efforts will be made to provide for water rates
6 that result in an improvement in the affordability of basic water service and
7 consider cost impacts of all Guam utilities on low-income customers. The study
8 will be completed and submitted no later than March 31, 2021 to the PUC to
9 support the FY 2022 Comprehensive Review and Update to GWA's Five-Year
10 Financial Plan.

11 5. Capital Financing – GWA agrees to pursue legislative and other actions necessary,
12 including working with the PUC and the Guam Economic Development Authority (GEDA) and
13 appropriate financial advisors to enable access to certain financing tools, and to modify selected
14 financial policies. GCG agrees to support GWA's actions before the PUC in pursuing the
15 following enhancements to its financing vehicles:

- 16 a. GWA agrees to investigate the availability and relative costs of alternative debt
17 instruments such as letters-of-credit or surety bonds to fund debt service reserves
18 in lieu of bond financing required reserves through debt issuance proceeds. If
19 determined to be viable and economical, GWA agrees to recommend to the CCU,
20 Legislature and PUC the approval of this option for meeting debt service reserve
21 fund requirements delineated in GWA's indenture.
- 22 b. GWA agrees to investigate the availability and relative costs of the use of
23 commercial paper or lines of credit to finance its ongoing capital construction
24 program following issuance of its Series 2020 revenue bonds. If determined to be
25 viable and economical, GWA agrees to seek necessary approvals to allow GWA
26 the option to employ commercial paper for prospective capital financing.
- 27 c. These activities will be completed a timely manner to allow adjustment to FY 2022
28 – 2024 rates in conjunction with the FY 2022 Comprehensive Review and Update
29 of GWA's Financial Plan. Given the uncertainty of both the availability and costs
30 of these alternative financing options, the Parties agree that the stipulated FY 2020
31 and FY 2021 rates will not assume the availability of these instruments.
32

1 6. **Capitalized Labor** – GWA agrees to undertake a review of its current capitalized
2 labor expense protocol to be completed no later than March 31, 2021 to support the FY 2022
3 **Comprehensive Review and Update to GWA’s Five-Year Financial Plan.**

4 7. **Cesspool/Septic Tank Elimination** – GWA agrees to investigate options to
5 enhance compliance with Title 10, Chapter 48, Toilet Facilities and Sewage Disposal, potentially
6 including legislatively approved transfer of regulatory authority to GWA. GWA will complete
7 its septic tank / cesspool review and analysis, and provide its recommendations to the PUC for
8 review and consideration no later than March 31, 2021.

9 a. GWA will identify all residential facilities with 200 ft. of an existing GWA
10 sanitary sewer line or 1000 ft. of a GWA water well that require specific action
11 steps to be taken by GWA in accordance with Chapter 48. GWA will estimate the
12 potential consumer and GWA investments required, identify potential sources of
13 funding these investments and estimate GWA revenue impacts and expenses of
14 implementation.

15 b. GWA will consider alternative funding mechanisms to assist consumers in
16 connecting to the sewer system, including use of the SDC fund to increase the
17 funds available in the sewer connection revolving fund. GWA will evaluate
18 potential obstacles, if any, to using the SDC fund and outline potential solutions.
19 Other funding mechanisms may be explored as well including private sector
20 financing.

21 c. GWA agrees to notify the CCU and PUC on a timely basis if potential barriers,
22 including funding and procurement issues, may preclude completion of the above-
23 listed studies by the completion dates scheduled and to request necessary
24 modifications and approval of any changes.

25 8 **FY 2022 Comprehensive Review and Update to GWA’s Five-Year Financial Plan**
26 **-The review will require GWA to supplement the filings of the studies enumerated below with**
27 **reporting to the PUC by May 1, 2021 on:**

28 a. **Forecasted (per the stipulated FY 2020 – 2024 rate plan) versus actual performance**
29 **by the categories of GWA revenues and expense included in GWA’s Five-Year**
30 **Financial Plan filed with the PUC on July 6, 2019. This variance analysis reporting**
31 **will address and explain, through narrative and supporting analyses, reasons for**
32 **variances between forecasted and actual (FY 2020 audited data and FY2021 YTD**

1 data) performance greater than 5 percent. PUC may ask for further explanation of
2 other documented variances throughout the review process.

- 3 b. GWA will submit proposed updates to its Five-Year Financial Plan for FY 2022 –
4 2024 and supporting rate model based in part on the findings and recommendations
5 of the studies enumerated above. GWA will provide documentation of how
6 findings of each study were incorporated into GWA’s revised financial plan by
7 major categories of GWA revenues and expense.
- 8 c. GWA will provide documentation including, but not limited to a petition, reports,
9 memos, spreadsheets and workpapers outlining how the findings and
10 recommendations of the GWA demand forecast, water loss reduction, cost of
11 service, affordability, capital financing, and other analyses are proposed to be
12 incorporated into the FY 2022 Comprehensive Review and Update to GWA’s
13 Five-Year Financial Plan.

14 **The FY 2022 Comprehensive Review and Update to GWA’s Five-year Financial Plan**
15 contemplates an enhanced annual rate review process and specifically does not constitute a new
16 GWA rate application. GWA will provide both the CCU and PUC detailed submissions and
17 briefings on these submissions and GWA rate model adjustments by May 1, 2021. As noted
18 below, GWA will respond to Requests for Information or PUC submittals regarding the studies
19 and GWA rate model adjustments on a timely basis throughout the review process. PUC action
20 on the FY 2022 Comprehensive Review and Update to GWA’s Five-year Financial Plan is
21 anticipated by September 2021. The review process is recommended by the Parties to provide for
22 full and appropriate consideration of the studies that GWA has agreed to complete by March 31,
23 2021.

24 **II. GWA’s FY 2020 – FY 2024 Financial Plan**

25
26 1. FY 2020 – 2021 Base Water Rates – By this Stipulation, the Parties agree to the
27 proforma results of operations contained in the detailed Attachment A for the period FY 2020 –
28 2021 that memorializes the details of projections that the Parties have agreed to recommend to
29 the PUC for its review and approval.

30
31 2. FY 2020 – FY 2021 Base Rate Increase Implementation – The Parties agree to the
32 stipulated water and wastewater base rate increases of 5.0 % in FY2020 and 5.0% in FY2021.
The rate increase for FY 2020 will take place upon the PUC issuing a final order in Docket No.

1 19-08 and for FY 2021 will take effect on October 1, 2020. There will be no change to the
 2 “lifeline” rate for FY2020 and FY2021.

3
 4 3. DSCR – The Parties acknowledge that the projected debt service coverage ratio
 5 (DSCR) for FY2020-2021 is below the target of 1.75x the PUC has set to be achieved for
 6 ratemaking purposes.

7 4. Policy Changes – The Parties will use best efforts to secure revisions to CCU and
 8 PUC policies related to minimum debt service coverage levels:

- 9 a. Revision of the CCU policy (adopted by Resolution No. 21-FY2014) that calls for
 10 funding of a Working Capital and Debt Service Reserve that “serves to establish a
 11 Cash Reserve for supplementing Net Revenues for the sole purpose of meeting the
 12 PUC’s currently established ADSCR [Aggregate Debt Service Coverage Ratio]
 13 requirement that Net Revenues will be 175%- or 1.75 times annual debt service.”
 14 The revision would provide for meeting of a PUC minimum ADSCR target based
 15 on a calculation consistent with GWA’s indenture (and common municipal finance
 16 practice) that does not supplement Net Revenues with such reserves.
- 17 b. Revision and clarification of the PUC’s order (Regulatory Review of GWA
 18 Interim Financial Plan Under Federal Court Order in Civil Case 02-35 - Docket
 19 04-01: FY 2005 Rate Order) that a minimum 1.75x coverage ratio is established
 20 for purposes of setting just and reasonable rates for GWA (Paragraph 8, p. 5).
- 21 c. The Parties to this stipulation agree to support the approval of both policy changes
 22 inclusive of a minimum 1.40x debt service coverage ratio. It is further
 23 recommended that as part of CCU and PUC’s consideration of alternative debt
 24 financing instruments, the PUC debt service coverage policy be reevaluated based
 25 on references to credit rating agency medians of comparable and favorably rated
 26 debt issuers and consideration of customer affordability of utility services.

27 5. kGal Water Sales – For purposes of the FY 2020 – 2021 revenue requirements, the
 28 Parties stipulate that the annual water sales volumes by customer class will not be adjusted from
 29 GWA’s original July 6, 2019 rate application. Adjustments may be implemented beginning in
 30 FY 2022 based on the results of the supporting “Analytical Studies” enumerated above that will
 31 be incorporated into the FY 2022 Comprehensive Review and Update to GWA’s Five-Year
 32 Financial Plan.

1 6. Water Loss Reduction Program – The Parties stipulate GWA will be deploying an
 2 aggressive water loss reduction program. For purposes of FY 2020 – 2021, GWA’s water
 3 production forecast will be adjusted to reflect anticipated reductions in water losses due to GWA’s
 4 expansion and acceleration of water loss reduction measures:

- 5 a. FY 2020 production volumes will be adjusted based on a projected reduction of
 6 non-revenue water by 2.00% of actual FY 2019 production (adjusted for partial
 7 year implementation, which implementation will begin no later than March 1,
 8 2020).
- 9 b. FY 2021 production volumes will be adjusted based on a projected non-revenue
 10 water reduction of an additional 2.75% of actual FY 2020 production for a
 11 cumulative total of 4.75% (adjusted for FY 2020 partial year implementation).
- 12 c. GWA will include planned water loss reduction project spending for FY 2020 –
 13 2021 of no less than \$14 million. GWA will consider the efficacy of alternative
 14 project delivery options to effect acceleration of water loss reduction project
 15 implementation.

16 7. Labor/Benefits Expenses – The Parties stipulate to the GCG adjustments for FY
 17 2020 – 2021 of Personnel Salary and Benefits expenses. Projected annual expense reductions
 18 are:

| FY 2020 | FY 2021 |
|-------------|-------------|
| \$2,248,207 | \$1,958,153 |

23 8. Variable Operations and Maintenance Expenses – The Parties stipulate to the GCG
 24 adjustments for FY 2020-2021 of certain variable (e.g., water production dependent) expenses
 25 These adjustments relate to water purchases, salaries and benefits, contractual expenses, and
 26 Administrative and General expenses (inclusive of related power expense impacts) and were
 27 determined by applying unit savings estimated by GCG to the volume reductions outlined herein.
 28 Projected annual expense reductions are:

| FY 2020 | FY 2021 |
|-------------|-------------|
| \$2,030,877 | \$3,703,629 |

- 1 9. Capital and Financing Programs – The Parties have agreed to the following for
2 purposes of development of GWA’s Five-Year Financial Plan:
3 a. GWA’s financial plan will be based on a projected fund balance target (as shown
4 in Attachment A) of not less than \$3 million and a debt service coverage ratio⁴ of
5 1.40x – 1.50x.
6 b. GWA’s \$134 million Series 2020 bond issue will be structured with a term of
7 thirty (30) years, two (2) years of capitalized interest, and assumed to be issued at
8 an average coupon rate of five percent (5%) with costs of issuance equal to two
9 percent (2%) of par. For the Series 2020 bonds principal payments will be deferred
10 for a five (5) year period.
11 c. GWA will re-program all existing non-committed bond fund balances (from its
12 past three issues) in an amount of no less than \$2.7 million to its capital program
13 (see Attachment B), subject to applicable PUC review procedures and will provide
14 a priority consideration to funding with reprogramed funds non-revenue water
15 projects.

16 **III. Potential Capital and Financing Program Revisions**

17
18 Based on outcomes of the efforts outlined in item number 5 above to be completed by
19 March 31, 2021, the Parties stipulate to the following (which may result in adjustments to GWA’s
20 Financial Plan):

- 21 a. GWA’s targeted debt service coverage ratio⁵ of 1.40x – 1.50x may be adjusted
22 based on evaluation of potential policy changes enumerated in 4 (c) above.
23 b. Use of up to \$50 million in commercial paper or lines-of-credit, to the extent
24 allowed by GWA enabling legislation and if cost-effective, may be used to
25 augment GWA’s ongoing construction capital requirements with available capital
26 funds.
27 c. GWA will seek to lower the financing cost associated with the capital funding of
28 debt service reserve funds for subsequent borrowings by using letters-of-credit or
29 surety bonds as allowed by GWA enabling legislation.

31 ⁴ As traditionally calculated as the ratio of net operating expenses divided by scheduled debt service payments per
32 GWA’s bond indenture (without adjustment for debt service reserve funds).

⁵ As traditionally calculated as the ratio of net operating expenses divided by scheduled debt service payments per
GWA’s bond indenture (without adjustment for debt service reserve funds).

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3 **IV. Water Loss Reduction Targets**

4 The Parties stipulate that the water loss reduction targets for the water system will be
5 based on the work of WSO and GWA who will prioritize each water loss reduction project based
6 on its respective benefit-cost ratio. The Parties agree that the water loss reduction targets should
7 reflect an aggressive approach to water loss management with the objective to have GWA's water
8 loss rates compare favorably with established industry benchmarks as soon as reasonably possible
9 within a twenty (20) year period. The capital investment program will be reprogramed as
10 necessary starting with projects having the highest benefit-cost ratio to achieve these targets.

11 Further:

- 12 a. GWA will use its best efforts to enter into a zero-cost "water exchange" program
13 with Navy. Absent the ability to enter into a zero-cost exchange program, GWA
14 will prioritize reducing the amount of water purchased from the US Navy or
15 undertake the necessary construction to eliminate Navy water (if supported by a
16 large benefit-cost ratio supporting such construction).
- 17 b. GWA will ensure the new SCADA system is designed to assist GWA in the
18 identification and detection of water losses and the prioritization and targeting of
19 water loss projects.
- 20 c. For the period FY2020-2024 GWA's water loss reduction targets will be as
21 determined through the study to be completed by March 31, 2021 with designated
22 benchmarks to reduce water losses by 20% as compared to its 2019 water loss
23 level and to the median level of comparable water utilities in the US Mainland in
24 less than twenty (20) years from 2019.

25 **V. Consent Decree:**

26
27 Upon completion of substantive Consent Decree negotiations with USEPA (and lifting of
28 confidentiality restrictions), GWA will provide a detailed briefing on the proposed decree to the
29 PUC. This briefing will outline, among other matters, potential GWA spending commitments
30 that will impact future rate revenue requirements and to provide a comparison to what was
31 projected in GWA's Five-Year Financial Plan.

32 **VI. Requirements of 12 GCA § 12102.2. (d) Staffing Study**

1 The Parties acknowledge that the PUC, pursuant to 12 GCA 12102.2 (d), Proposed
 2 Public Utility Rate Increases, is required to conduct studies comparing the staffing pattern and
 3 manpower levels of GWA and other utilities under their purview to the staffing patterns and
 4 manpower levels of at least four (4) mainland utilities providing similar services with a
 5 comparable number of customers. The Parties acknowledge that the PUC must, in determining
 6 approval of any proposed rate increase, take into account the results of such staffing studies.

- 7 a. GCG conducted a staffing study pursuant to the statute comparing GWA to a large
 8 cross-section of water utilities. The results indicate GWA is an outlier when
 9 compared directly to this cross-section of mainland water/wastewater utilities
 10 participating in the annual AWWA Benchmarking Review and has a greater
 11 manpower level than participating utilities.
- 12 b. GCG does not believe the data in the AWWA Benchmarking Review is directly
 13 comparable to GWA as many mainland water systems included in the review are
 14 part of city or county governments wherein the utility is provided services such as
 15 IT, procurement, HR, finance and other services from the county or municipal
 16 government.
- 17 c. Any realistic comparison will be difficult given the unique nature of the Guam
 18 water system due in part to the inheritance of the legacy systems of the US Navy
 19 and the Public Utility Agency of Guam systems. For this reason, we do not believe
 20 it appropriate that the staffing study performed be used by the PUC at this time.
- 21 d. The Parties recommends that the Analytical Studies to be Undertaken to Support
 22 the FY 2022 Comprehensive Review and Update of GWA's Financial Plan include
 23 a more detailed staffing study by the PUC taking into account many of the issues
 24 that have surfaced such as: elasticity/affordability/age of the system and resulting
 25 system losses that may enable a future smaller and efficient system. This study
 26 should be completed by March 31, 2021.
- 27 e. GCG recommends no adjustment to GWA staffing for FY 2020 – FY 2021 is
 28 appropriate at this time.

29 **VII. Procedural Provisions**

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 31 The FY 2022 Comprehensive Review and Update to GWA's Five-Year Financial Plan
 32 will be an abbreviated proceeding designed to take into consideration all the required studies that
 are to be submitted no later than March 31 of 2021 along with any legislative authorization or

1 statutory changes GWA has pursued in furtherance of this stipulation. GWA will file its proposed
2 FY 2022 Comprehensive Review and Update to its Five-Year Financial Plan for PUC review no
3 later than May 1, 2021 – giving the PUC ample opportunity for RFI’s and responses to be
4 exchanged prior to the September PUC meeting for approval.

5 **SO STIPULATED this 17th day of January 2020.**

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7 **GUAM WATERWORKS AUTHORITY**

8
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10 BY: 
11 KELLY O. CLARK
12 GWA GENERAL COUNSEL

13
14 **GEORGETOWN CONSULTING GROUP, INC.**

15
16 BY: 
17 JAMSHED MADAN

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19 ATTACHMENTS A & B
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PROPOSED RATE PLAN 2020 - 2024

| | Projection | | | | |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| Basic Charge -Water | 5.00% | 5.00% | 5.50% | 3.00% | 2.50% |
| Lifeline Increase | 0.00% | 0.00% | 0.00% | 0.00% | 2.50% |
| Non-Lifeline Increase | 5.00% | 5.00% | 5.50% | 3.00% | 2.50% |
| Legislative Surcharge | 3.60% | 3.60% | 3.50% | 3.40% | 3.45% |
| Customer Growth | 0.50% | 0.50% | 0.50% | 0.50% | 0.50% |
| Demand Growth | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| OPERATING REVENUES | 120,007,713 | 125,418,435 | 132,046,975 | 135,575,856 | 139,154,045 |
| Water Revenues | \$ 73,925,751 | \$ 77,436,674 | \$ 81,489,096 | \$ 83,856,280 | \$ 86,029,337 |
| Wastewater Revenues | 42,401,836 | 44,115,188 | 46,589,441 | 47,746,340 | 48,989,606 |
| Legislative Surcharge | 3,680,126 | 3,866,573 | 3,968,438 | 3,973,236 | 4,135,102 |
| Other Revenues | 431,932 | 430,737 | 433,741 | 432,137 | 432,205 |
| System Development Charge | 914,964 | 929,304 | 832,509 | 892,259 | 884,691 |
| Total Operating Revenues | 121,354,609 | 126,778,476 | 133,313,225 | 136,900,252 | 140,470,940 |
| O & M EXPENSES | | | | | |
| Power Purchases | 13,360,490 | 12,985,578 | 12,437,383 | 11,464,591 | 10,899,476 |
| Water Purchases | 9,723,387 | 10,123,306 | 10,377,505 | 10,700,149 | 11,096,715 |
| | 23,083,877 | 23,108,884 | 22,814,888 | 22,164,741 | 21,996,191 |
| Salaries and Benefits | 24,627,194 | 26,814,544 | 28,847,199 | 30,089,804 | 31,344,171 |
| <i>Intentionally Left Blank</i> | | | | | |
| Administrative and General Expenses | 12,020,482 | 12,262,728 | 12,155,884 | 12,237,962 | 12,523,694 |
| <i>Intentionally Left Blank</i> | | | | | |
| Depreciation Expense | 21,962,670 | 22,271,032 | 22,300,621 | 22,648,171 | 24,038,420 |
| <i>Intentionally Left Blank</i> | | | | | |
| Contractual Expense | 6,025,390 | 7,305,994 | 7,222,396 | 7,704,660 | 8,339,540 |
| <i>Intentionally Left Blank</i> | | | | | |
| Retiree Supplemental Annuities/Health care costs | 3,763,479 | 3,933,180 | 4,112,018 | 4,300,483 | 4,499,094 |
| Total Operating Expenses | 91,483,090 | 95,696,362 | 97,453,007 | 99,145,822 | 102,741,110 |
| Earnings (Loss) from Operations | 29,871,519 | 31,082,114 | 35,860,218 | 37,754,430 | 37,729,830 |
| Interest Income-Bond 2013,2014 Refunding,2016,2017 Refunc | 1,350,758 | 1,539,593 | 1,303,222 | 1,397,858 | 1,413,558 |
| Interest Income-Other Funds | 216,573 | 248,637 | 210,495 | 225,235 | 228,122 |
| Interest Income-SDC | 25,567 | 29,850 | 26,760 | 27,392 | 28,001 |
| Interest Expense-Bond 2013,2014 Refunding,2016,2017 Refur | (32,105,188) | (31,659,950) | (31,189,350) | (34,944,625) | (34,425,013) |
| Interest Expense-BOG | (67,345) | - | - | - | - |
| Interest Expense--Commercial Paper | - | - | 280,000 | - | 340,000 |
| AFUDC | - | - | - | - | - |
| Amortization of Discount, Premium and Issuance Costs | (403,640) | (276,930) | (298,049) | (326,206) | (300,395) |
| Grants & other contributions (net of federal expenditures) | 39,732,857 | 39,732,857 | 33,430,130 | 8,000,000 | 8,000,000 |
| Deferred outflows from Pension | (344,114) | (269,263) | (306,689) | (287,976) | (297,332) |
| Net Income (Loss) | 38,276,987 | 40,426,908 | 39,316,739 | 11,846,108 | 12,716,771 |
| INCREASE (DECREASE) in Capital | 38,276,987 | 40,426,908 | 39,316,739 | 11,846,108 | 12,716,771 |
| BOND DEBT SERVICE | 34,175,188 | 34,229,950 | 40,934,350 | 40,929,625 | 40,935,013 |



PROPOSED RATE PLAN 2020 - 2024

| | Projection | | | | |
|--|---------------------|---------------------|---------------------|----------------------|-------------------|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| DEBT SERVICE COVERAGE CALCULATION - Section 6.12 | | | | | |
| Earnings (Loss) from Operations | 29,871,519 | 31,082,114 | 35,860,218 | 37,754,430 | 37,729,830 |
| Investment Income-Other funds | 216,573 | 248,637 | 210,495 | 225,235 | 228,122 |
| COLA | 644,877 | 688,520 | 735,117 | 784,867 | 837,984 |
| System Development Charge | (914,964) | (929,304) | (832,509) | (892,259) | (884,691) |
| Depreciation | 21,962,670 | 22,271,032 | 22,300,621 | 22,648,171 | 24,038,420 |
| Balance Available for Debt Service - Section 6.12 | 51,780,674 | 53,360,999 | 58,273,942 | 60,520,445 | 61,949,666 |
| Debt Service Coverage (1.25X) - Section 6.12 | 1.52 | 1.56 | 1.42 | 1.48 | 1.51 |
| DEBT SERVICE COVERAGE CALCULATION - PUC Debt Ratio | | | | | |
| Balance Available for Debt Service | 51,780,674 | 53,360,999 | 58,273,942 | 60,520,445 | 61,949,666 |
| Transfer - Reserve for O & M | - | - | - | - | - |
| Transfer - Reserve for Debt Service | - | - | - | - | - |
| 2017 Refunding bond savings | - | - | - | - | - |
| Available for Debt Service -Reserve for Debt Service | 11,217,733 | 11,217,733 | 11,217,733 | 11,217,733 | 11,217,733 |
| Balance Available for Debt Service - PUC | 62,998,408 | 64,578,733 | 69,491,677 | 71,738,178 | 73,167,399 |
| Debt Service Coverage (1.75X) - PUC | 1.84 | 1.89 | 1.70 | 1.75 | 1.79 |
| Requested Amount at 1.4 | \$ 51,780,674 | \$ 53,360,999 | \$ 58,273,942 | \$ 60,520,445 | \$ 61,949,666 |
| Reduced Revenues | \$ 47,845,263 | \$ 47,921,930 | \$ 57,308,090 | \$ 57,301,475 | \$ 57,309,018 |
| % of revenues | 3.935,412 | 5,439,069 | 965,852 | 3,218,970 | 4,640,649 |
| | 3.3% | 4.3% | 0.7% | 2.4% | 3.3% |
| CASH FLOW STATEMENT | | | | | |
| Net Income (Loss) | 38,276,987 | 40,426,908 | 39,316,739 | 11,846,108 | 12,716,771 |
| Depreciation & Amortization | 22,366,310 | 22,547,962 | 22,598,670 | 22,974,378 | 24,338,815 |
| AFUDC | - | - | - | - | - |
| Principal Payments - Bonds | (8,770,000) | (9,270,000) | (9,745,000) | (10,235,000) | (10,760,000) |
| Working Capital Change (Increase)Decrease | (878,321) | (542,131) | (932,330) | (625,422) | (319,479) |
| Principal Payments-BOG | (2,780,552) | - | - | - | - |
| Transfer to Trust | - | - | - | - | - |
| Deferred outflows from pension | 344,114 | 269,263 | 306,689 | 287,976 | 297,332 |
| Gross Bond Proceeds | 134,000,000 | - | - | 85,000,000 | - |
| Deposit to Bond Construction Fund | (108,925,581) | - | - | (69,094,585) | - |
| Deposit to CAP Interest Fund | (13,400,000) | - | - | (8,500,000) | - |
| Deposit to Debt Service Reserve Fund | (\$8,994,419) | - | - | (\$5,705,415) | - |
| Cost of Issuance/Underwriter Discount | (2,680,000) | - | - | (1,700,000) | - |
| Loss on Defeasance Bond/Amortization of Disc, Premium&IssuanceCost | 403,640 | 276,930 | 298,049 | 326,206 | 300,395 |
| Revenue Funded CAPEX | - | - | - | - | - |
| Bond Reserve Requirement | - | - | - | - | (449,399) |
| System Development Charge | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 |
| Working Capital Reserve for CAPEX/PAYGO | (17,000,000) | (12,400,000) | (17,500,000) | (17,500,000) | (15,000,000) |
| Working Capital Reserve for O & M | - | - | - | - | - |
| Working Capital Reserve for Debt Service | - | (8,000,000) | - | - | - |
| Grants and Contributions | (39,732,857) | (39,732,857) | (33,430,130) | (8,000,000) | (8,000,000) |
| Transfer from Capitalized Interest Fund | 6,700,000 | 6,700,000 | - | 4,250,000 | 4,250,000 |
| Prior Year Adjustment & Loss on Asset Disposal/Invty writedov | - | - | - | - | - |
| Cash Surplus (Deficit) | (570,680) | 776,075 | 1,412,686 | 3,824,247 | 7,874,436 |
| Beginning Balance | 4,962,086 | 4,391,406 | 5,167,481 | 6,580,167 | 10,404,414 |
| Ending Balance | \$ 4,391,406 | \$ 5,167,481 | \$ 6,580,167 | \$ 10,404,414 | 18,278,850 |

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| GWA Cat | GCG Cat | Project # | Project Description | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 | Subtotal By Project FY20-FY24 |
|--|---------|----------------|--|---------------|--------------|--------------|--------------|------------|----------------------------------|
| | | | | Total | Total | Total | Total | Total | |
| PW | 1 | PW 09-09 | Water Reservoir Internal/External | 0 | 0 | 0 | 0 | 0 | - |
| PW | 0 | PW 05-08 | Barrigada Tank Repair/Replacement | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | - |
| PW | 1 | PW 09-11 | Water System Reservoirs 2005 Improvements | 27,891 | 1,000 | 1,000 | 1,000 | 0 | 30,891 |
| PW | 1 | PW 11-02 | Ugum Water Treatment Plant Reservoir | 7,500 | 0 | 0 | 0 | 0 | 7,500 |
| PW | 1 | PW 12-04 | Agana Heights & Chaot Tanks | 0 | 0 | 0 | 0 | 0 | - |
| PW | 1 | PW 12-05 | Tank Major Repair Yigo #1, Mangilao #2, Astumbo #1 | 0 | 0 | 0 | 0 | 0 | - |
| PW | 1 | PW 12-06 | Tank Replacement Piti & Hyundai | 6,500 | 0 | 0 | 0 | 0 | 6,500 |
| PW | 1 | MP-PW-Tank-22 | Existing Tank Inspections | 150 | 0 | 0 | 0 | 0 | 150 |
| PW | 1 | MP-PW-Tank-23 | Recurring Tank Inspections | 200 | 200 | 214 | 214 | 214 | 1,042 |
| WW | 1 | WW 11-03 | Baza Gardens STP Replacement | 0 | 550 | 0 | 0 | 0 | 550 |
| WW | 1 | WW 11-08 | Agat/ Santa Rita STP Replacement | 0 | 0 | 0 | 0 | 0 | - |
| WW | 1 | WW 12-01 | Northern District WWTP Primary Treatment Upgrades | 0 | 0 | 0 | 0 | 0 | - |
| WW | 1 | WW 12-07 | Umatac Merizo STP Replacement | 0 | 0 | 0 | 0 | 0 | - |
| Subtotal GCG Cat = 1 "Court Order Projects" | | | | 42,241 | 1,750 | 1,214 | 1,214 | 214 | 46,633 |
| WW | 2 | WW 05-04 | Wastewater System Planning | 150 | 0 | 0 | 0 | 0 | 150 |
| WW | 2 | WW 09-01 | Lift station upgrades | 1,200 | 1,000 | 0 | 2,000 | 2,291 | 6,491 |
| WW | 2 | WW 09-06 | Wastewater Collection System Repl/ Rehabilitation | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 8,000 |
| WW | 2 | WW 17-02 | Northern District WWTP Secondary Treatment Upgrades | 0 | 0 | 0 | 0 | 0 | - |
| WW | 2 | MP-WW-Pipe-01 | Gravity Pipe Rehabilitation/Replacement Program | 170 | 2,000 | 5,346 | 750 | 6,186 | 14,452 |
| WW | 2 | MP-WW-Pipe-02 | Barrigada Pump Station Pipe Rehabilitation/Replacement | 0 | 0 | 411 | 3,218 | 0 | 3,629 |
| WW | 2 | MP-WW-Pipe-03 | Route 1 Piti Pipe Rehabilitation/Replacement | 2,340 | 0 | 0 | 0 | 0 | 2,340 |
| WW | 2 | MP-WW-Pipe-04 | Southern Link Pump Station Pipe Rehabilitation/Replacement | 657 | 0 | 0 | 0 | 0 | 657 |
| WW | 2 | MP-WW-Pipe-05 | Agana Heights Pipe Replacement | 0 | 0 | 169 | 2,500 | 0 | 2,669 |
| WW | 2 | MP-WW-Pipe-06 | Northern District Route 1 Capacity Replacement - Phase 1 | 0 | 0 | 0 | 0 | 1,169 | 1,169 |
| WW | 2 | MP-WW-Pipe-11 | Route 16 Capacity Replacement | 0 | 0 | 0 | 0 | 571 | 571 |
| WW | 2 | MP-WW-Pipe-12 | Barrigada Capacity Replacement | 0 | 0 | 0 | 0 | 47 | 47 |
| WW | 2 | MP-WW-Pipe-17 | Mamajanao Capacity Replacement | 400 | 1,300 | 2,574 | 0 | 0 | 4,274 |
| WW | 2 | MP-WW-Pipe-21 | Baza Gardens Capacity Replacement - Phase 1 | 0 | 0 | 0 | 0 | 320 | 320 |
| WW | 2 | MP-WW-Pipe-24 | Umatac-Merizo Capacity Replacement | 0 | 0 | 0 | 0 | 207 | 207 |
| WW | 2 | MP-WW-Pipe-25 | Piping Near Bayside Lift Station | 0 | 2,000 | 0 | 250 | 0 | 2,250 |
| WW | 2 | MP-WW-Pipe-26 | Finile Drive Rehabilitation - Agat | 813 | 0 | 0 | 0 | 0 | 813 |
| WW | 2 | MP-WW-MH-01 | Manhole Rehabilitation Program | 350 | 0 | 350 | 0 | 350 | 1,050 |
| WW | 2 | MP-WW-FM-01 | Force Main Rehabilitation/Replacement Program | 0 | 100 | 1,458 | 0 | 120 | 1,678 |
| WW | 2 | MP-WW-FM-02 | Replace Yigo Lift Station Force Main | 0 | 200 | 1,829 | 0 | 0 | 2,029 |
| WW | 2 | MP-WW-FM-03 | Route 1 Asan Force Main Rehabilitation/Replacement | 2,124 | 0 | 0 | 0 | 0 | 2,124 |
| WW | 2 | MP-WW-FM-04 | Hagåtña WWTP Force Main Rehabilitation/Replacement | 6,689 | 0 | 0 | 0 | 0 | 6,689 |
| WW | 2 | MP-WW-Pump-01 | Lift Station Rehabilitation/Replacement Program | 2,120 | 6,500 | 982 | 6,124 | 2,420 | 18,146 |
| WW | 2 | MP-WW-Pump-02 | Tumon Basin - Fujita Lift Station Analysis | 7,923 | 3,000 | 0 | 0 | 0 | 10,923 |
| WW | 2 | MP-WW-Pump-03 | Replacement of Former Navy Pump Station (Donut Hole) | 1,301 | 0 | 0 | 0 | 0 | 1,301 |
| WW | 2 | MP-WW-WWTP-08 | Northern District WWTP Completion | 0 | 7,500 | 7,800 | 0 | 0 | 15,300 |
| WW | 2 | MP-WW-Misc-01B | Update Wastewater Collection System Model (Continued) | 100 | 0 | 100 | 0 | 200 | 400 |
| WW | 2 | MP-WW-Misc-02 | I/I and SSES Assessments | 150 | 0 | 0 | 400 | 0 | 550 |
| WW | 2 | DoD-01 | NDWWTP Secondary Treatment Capacity 12MGD | 2,500 | 0 | 0 | 0 | 0 | 2,500 |
| MISC | 2 | MP-Gen-Misc-08 | General Plant Improvements | 1,000 | 500 | 200 | 200 | 500 | 2,400 |

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| GWA Cat | GCG Cat | Project # | Project Description | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 | Subtotal By Project |
|--|---------|----------------|---|--------|--------|--------|--------|--------|---------------------|
| | | | | Total | Total | Total | Total | Total | FY20-FY24 |
| Subtotal GCG Cat = 2 "Consent Decree Projects" | | | | 31,987 | 26,100 | 21,219 | 17,442 | 16,381 | 113,129 |
| PW | 3 | PW 05-09 | Leak Detection | 0 | 500 | 0 | 0 | 100 | 600 |
| PW | 3 | PW 05-10 | Potable Water System Planning | 0 | 500 | 0 | 0 | 0 | 500 |
| PW | 3 | PW 09-03 | Water Distribution System Pipe Replacement and Upgrades | 500 | 1000 | 2250 | 1750 | 2250 | 7,750 |
| PW | 3 | PW 14-01 | Fire Hydrant Replacement Program | 0 | 0 | 500 | 0 | 500 | 1,000 |
| PW | 3 | MP-PW-Pipe-01 | Astumbo Zone Piping | 0 | 0 | 368 | 4482 | 0 | 4,850 |
| PW | 3 | MP-PW-Pipe-04 | Hyundai Well Piping | 500 | 0 | 0 | 0 | 0 | 500 |
| PW | 3 | MP-PW-Pipe-05 | Kaiser Zone Looping | 300 | 0 | 0 | 0 | 0 | 300 |
| PW | 3 | MP-PW-Pipe-06 | Mangilao Pressure Zone Realignment | 300 | 0 | 0 | 0 | 0 | 300 |
| PW | 3 | MP-PW-Pipe-07 | Mataguac BPS Suction Piping | 0 | 500 | 0 | 0 | 0 | 500 |
| PW | 3 | MP-PW-Pipe-09 | Yigo, Santa Rosa Zone Realignment | 0 | 0 | 178 | 2164 | 0 | 2,342 |
| PW | 3 | MP-PW-Pipe-10 | Miscellaneous Piping Projects | 100 | 100 | 694 | 0 | 0 | 894 |
| PW | 3 | MP-PW-Pipe-11 | Miscellaneous Piping Connections | 100 | 100 | 194 | 0 | 0 | 394 |
| PW | 3 | MP-PW-Pipe-12 | Rehabilitation and Replacement Program | 1000 | 1000 | 2500 | 3400 | 2000 | 9,900 |
| PW | 3 | MP-PW-Pipe-13 | 2-Inch Pipe Replacement Program | 2730 | 1200 | 1750 | 1750 | 1750 | 9,180 |
| PW | 3 | MP-PW-Pipe-14 | Asbestos Cement Pipe Replacement Program | 0 | 0 | 3850 | 3850 | 3850 | 11,550 |
| PW | 3 | MP-PW-Pipe-15 | PRV Rehab and Replacement | 1000 | 1450 | 1000 | 1468 | 1468 | 6,386 |
| PW | 3 | MP-PW-Pipe-16 | Valve Exercise, Repair, and Replacement Program | 250 | 0 | 250 | 0 | 250 | 750 |
| PW | 3 | MP-PW-Pipe-17 | Cross Island Highway Piping | 0 | 100 | 1401 | 0 | 0 | 1,501 |
| PW | 3 | MP-PW-BPS-01 | Rehabilitate and Replace BPSs | 409 | 150 | 150 | 150 | 150 | 1,009 |
| PW | 3 | MP-PW-BPS-02 | Nimitz Hill Upper BPS | 48 | 0 | 0 | 0 | 0 | 48 |
| PW | 3 | MP-PW-Misc-02 | Master Meter Implementation and Ongoing Meter Replacement | 500 | 250 | 734 | 734 | 734 | 2,952 |
| PW | 3 | MP-PW-Misc-03 | Hydrant Condition Assessment and Maintenance | 0 | 0 | 970 | 970 | 970 | 2,910 |
| PW | 3 | MP-PW-Misc-05 | Leak Detection Assistance | 250 | 0 | 0 | 0 | 0 | 250 |
| Subtotal GCG Cat = 3 "NRW Projects" | | | | 7,987 | 6,850 | 16,789 | 20,718 | 14,022 | 66,366 |
| PW | 4 | PW 09-01 | Ugum Water Treatment Plant Intake | 0 | 500 | 700 | 0 | 0 | 1,200 |
| PW | 4 | MP-PW-SWTP-01 | Ugum SWTP River Intake Cleaning Project | 0 | 0 | 380 | 0 | 0 | 380 |
| PW | 4 | MP-PW-SWTP-02 | Ugum SWTP Intake Modifications | 1000 | 0 | 174 | 0 | 0 | 1,174 |
| PW | 4 | MP-PW-SWTP-03 | Ugum SWTP Reliability Improvements | 1000 | 0 | 150 | 0 | 0 | 1,150 |
| PW | 4 | MP-PW-SWTP-04 | Ugum SWTP 7-Year Improvement Project | 0 | 0 | 0 | 0 | 3168 | 3,168 |
| PW | 4 | MP-PW-Well-05 | Wellhead Protection Program | 350 | 0 | 0 | 660 | 0 | 1,010 |
| PW | 4 | MP-PW-Well-06 | Well Repair Program | 500 | 250 | 1500 | 1274 | 1274 | 4,798 |
| PW | 4 | DoD-3 | Rehabilitation and New NGLA Monitoring Wells | 4000 | 0 | 0 | 0 | 0 | 4,000 |
| WW | 4 | MP-WW-Pipe-27 | Septic/Cesspool System Reduction Program | 0 | 0 | 350 | 3000 | 5238 | 8,588 |
| WW | 4 | MP-WW-WWTP-04 | Pago Socio WWTP Pump Station Conversion | 0 | 0 | 1700 | 1000 | 0 | 2,700 |
| WW | 4 | MP-WW-WWTP-09 | Ocean Outfall Inspection Program | 150 | 0 | 0 | 0 | 0 | 150 |
| WW | 4 | MP-WW-Misc-03 | Miscellaneous Wastewater Improvements | 0 | 200 | 1500 | 1000 | 0 | 2,700 |
| WW | 4 | MP-WW-Misc-04 | Fats, Oils, and Grease Study | 150 | 0 | 0 | 0 | 0 | 150 |
| MISC | 4 | MC 05-01 | Laboratory Modernization | 0 | 0 | 0 | 0 | 0 | - |
| MISC | 4 | MP-Gen-Misc-09 | Security and Resilience Program | 100 | 100 | 200 | 100 | 100 | 600 |
| Subtotal GCG Cat = 4 "Env-Safety Compliance Projects" | | | | 7,250 | 1,050 | 6,654 | 7,034 | 9,780 | 31,768 |
| PW | 5 | PW 05-13 | Deep Well Rehabilitation | 1538 | 0 | 4000 | 0 | 0 | 5,538 |
| PW | 5 | PW 05-14 | New Deep Wells at Down Hard | 500 | 0 | 0 | 0 | 0 | 500 |

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| GWA Cat | GCG Cat | Project # | Project Description | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 | Subtotal By Project FY20-FY24 |
|--|---------|-----------------|--|---------------|--------------|--------------|---------------|---------------|----------------------------------|
| | | | | Total | Total | Total | Total | Total | |
| PW | 5 | PW 05-15 | Rehabilitation of Asan Springs | 550 | 0 | 0 | 0 | 0 | 550 |
| PW | 5 | PW 09-02 | Water Wells | 1500 | 1400 | 0 | 2000 | 0 | 4,900 |
| PW | 5 | MP-PW-Well-03 | Capacity Enhancement – Well Exploration Program | 0 | 0 | 500 | 0 | 1188 | 1,688 |
| PW | 5 | MP-PW-Well-04 | Capacity Enhancement – Well Development and Construction Program | 0 | 0 | 379 | 4622 | 0 | 5,001 |
| WW | 5 | WW 17-01 | Wastewater Sewer System Expansion | 0 | 0 | 0 | 0 | 0 | - |
| WW | 5 | DoD-02 | Northern Systems Wastewater System | 6000 | 0 | 0 | 0 | 0 | 6,000 |
| MISC | 5 | MC 09-01 | General Plant Improvements / Water | 0 | 100 | 500 | 800 | 1000 | 2,400 |
| Subtotal GCG Cat = 5 "Capacity Projects" | | | | 10,088 | 1,500 | 5,379 | 7,422 | 2,188 | 26,577 |
| PW | 6 | PW 05-06 | Water Booster Pump Station | 1200 | 700 | 300 | 2000 | 0 | 4,200 |
| PW | 6 | PW 05-07 | Meter Replacement Program | 0 | 0 | 0 | 0 | 0 | - |
| PW | 6 | PW 05-12 | Brigade II (Ugum Lift) BPS Upgrade | 0 | 0 | 0 | 0 | 0 | - |
| PW | 6 | PW 05-16 | Master Meters | 0 | 0 | 0 | 0 | 0 | - |
| PW | 6 | PW 09-04 | Pressure Zone Realignment / Development 2005 Improvements | 561 | 0 | 0 | 0 | 650 | 1,211 |
| PW | 6 | PW 12-01 | Water Audit Program & Water Loss Control Plan | 0 | 0 | 0 | 0 | 0 | - |
| PW | 6 | MP-PW-Pipe-02 | Route 1 Astumbo Zone Piping | 0 | 0 | 0 | 545 | 3324 | 3,869 |
| PW | 6 | MP-PW-Pipe-03 | Harmon Cliffline Piping to Route 1 | 0 | 0 | 0 | 424 | 0 | 424 |
| PW | 6 | MP-PW-Pipe-08 | Nimitz Lower BPS Piping | 0 | 0 | 0 | 121 | 1469 | 1,590 |
| PW | 6 | MP-PW-BPS-03 | Route 15 BPS | 0 | 0 | 0 | 0 | 86 | 86 |
| PW | 6 | MP-PW-Well-01 | Well Rehabilitation Program | 400 | 3500 | 2308 | 5368 | 440 | 12,016 |
| PW | 6 | MP-PW-Well-02 | Well Equipment Overhaul Program | 0 | 0 | 1000 | 0 | 1518 | 2,518 |
| WW | 6 | WW 09-11 | WWTP Priority 1 Upgrades | 0 | 0 | 0 | 0 | 0 | - |
| EE | 6 | EE 09-02 | Electrical Upgrade - Water Wells | 90 | 0 | 0 | 0 | 0 | 90 |
| EE | 6 | EE 09-04 | Electrical Upgrade -Water Booster | 150 | 0 | 0 | 0 | 0 | 150 |
| EE | 6 | EE 09-05 | Electrical Upgrade - Other Water | 100 | 0 | 0 | 0 | 0 | 100 |
| EE | 6 | EE 09-07 | SCADA Improvements – Phase 2 | 45 | 0 | 0 | 0 | 0 | 45 |
| EE | 6 | EE 09-08 | SCADA Improvements – Phase 3 | 125 | 0 | 0 | 0 | 2000 | 2,125 |
| EE | 6 | EE 09-09 | SCADA Improvements – Phase 4 | 0 | 0 | 0 | 0 | 0 | - |
| EE | 6 | MP-Gen-EE-01 | SCADA Implementation Phase A2 – Initial Project Completion | 2000 | 2600 | 1500 | 2600 | 2600 | 11,300 |
| EE | 6 | MP-Gen-EE-02 | SCADA Implementation Phase B – Additional Sites | 0 | 0 | 0 | 600 | 600 | 1,200 |
| EE | 6 | MP-Gen-EE-04 | SCADA System Improvement Program | 0 | 0 | 0 | 0 | 330 | 330 |
| MISC | 6 | MC 15-01 | Information Technology Intergration Improvements | 0 | 100 | 500 | 500 | 500 | 1,600 |
| MISC | 6 | MP-Gen-Misc-01 | GWA Systems Planning | 700 | 500 | 100 | 250 | 1000 | 2,550 |
| MISC | 6 | MP-Gen-Misc-04 | Information Technology Improvements | 5400 | 200 | 100 | 100 | 200 | 6,000 |
| MISC | 6 | MP-Gen-Misc-05 | GWA Infrastructure Improvements | 500 | 2000 | 0 | 250 | 0 | 2,750 |
| MISC | 6 | MP-Gen-Misc-07 | Mobile Equipment Replacement Program | 800 | 200 | 100 | 100 | 400 | 1,600 |
| Subtotal GCG Cat = 6 "Efficiency Projects" | | | | 12,071 | 9,800 | 5,908 | 12,858 | 15,117 | 55,754 |
| PW | 7 | MP-PW-Misc-01 | South Guam Water Supply Study | 200 | 0 | 0 | 0 | 0 | 200 |
| PW | 7 | MP-PW-Misc-04 | OneGuam Program | 50 | 50 | 50 | 50 | 50 | 250 |
| MISC | 7 | MP-Gen-Misc-02A | WRMP Update (Comprehensive Update) | 0 | 0 | 100 | 0 | 0 | 100 |
| MISC | 7 | MP-Gen-Misc-02B | WRMP Update (Interim Update) | 200 | 0 | 0 | 0 | 0 | 200 |
| MISC | 7 | MP-Gen-Misc-03 | Surveying and Property Delineation | 0 | 250 | 250 | 250 | 0 | 750 |
| MISC | 7 | MP-Gen-Misc-06 | GPWA Fleet Maintenance Facility | 0 | 0 | 500 | 0 | 0 | 500 |
| Subtotal GCG Cat = 7 "Discretionary Projects" | | | | 450 | 300 | 900 | 300 | 50 | 2000 |

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| GWA Cat | GCG Cat | Project # | Project Description | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 | Subtotal By Project |
|-----------------------------|---------|-----------|--|----------------|---------------|---------------|---------------|---------------|---------------------|
| | | | | Total | Total | Total | Total | Total | FY20-FY24 |
| | | | Subtotal GCG Cat = 1 "Court Order Projects" | 42,241 | 1,750 | 1,214 | 1,214 | 214 | 46,847 |
| | | | Subtotal GCG Cat = 2 "Consent Decree Projects" | 31,987 | 26,100 | 21,219 | 17,442 | 16,381 | 135,551 |
| | | | Subtotal GCG Cat = 3 "NRW Projects" | 7,987 | 6,850 | 16,789 | 20,718 | 14,022 | 72,797 |
| | | | Subtotal "All Other Projects" | 29,859 | 12,650 | 18,841 | 27,614 | 27,135 | 136,454 |
| Grand Totals by Year | | | | 112,074 | 47,350 | 58,063 | 66,988 | 57,752 | 342,227 |