

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

Instrumentation and Controls

671-648-4262  
sales@guamtech.com

## **Ozone and Chem AutoDailer Alarm Panels Agana Wastewater Treatment Plant**

Quotation AAD1

Revision 1

Date: 05 Jul 2024

### Introduction

MCS Contractors Inc (MCS or MCSC) is pleased to provide this proposal for the supply and installation work for the AutoDailer panels at the Agana Wastewater Treatment Plant. The scope includes the manufacture, installation, and programming of the panels. GWA will provide the SIM cards.

Documentation and References used to prepare this estimate:

CHEM PANEL – Drawing provided by GWA

OZONE PANEL – Drawing provided by GWA

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

Table of Contents

[Introduction ..... 1](#)

[Materials Provided: ..... 3](#)

[Services Provided: ..... 3](#)

[Major Elements ..... 4](#)

[Control Panels ..... 4](#)

[Programming..... 4](#)

[Micro870 PLC ..... 4](#)

[Micro800 HMI Panel ..... 4](#)

[SCADADroid AutoDialer ..... 4](#)

[Installation..... 4](#)

[Physical Mounting..... 4](#)

[Conduits and Wiring..... 4](#)

[Wire Termination and Labeling:..... 4](#)

[Testing and Startup ..... 5](#)

[Documentation and Administration ..... 5](#)

[Training ..... 5](#)

[Warranty ..... 5](#)

[Payment Terms \(Negotiable\) ..... 6](#)

[Exclusions ..... 6](#)

[General Terms & Conditions ..... 7](#)

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
 Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
 sales@guamtech.com

Materials Provided:

Material	Location	Type	Price
Ozone Panel	Ozone Elec Room	As Detailed in GWA Drawings	\$37,975.00
Chem Panel	Control Room	As Detailed in GWA Drawings	\$42,087.00
<b>Total</b>			<b>\$80,062.00</b>

Inclusive of all shipping cost to project site.

Services Provided:

Service	Description	Price
Programming	Programming of Micro870 PLC and PanelView 800 HMI	Included
Installation	Mounting, Wireways, and Terminations	Included
Testing & Startup	Testing and Startup of completed system	Included
Documentation	Shop Drawings, Manuals, and AS-BUILTS	Included
Training	Training GWA Personnel	Included

## MCS Contractors Inc

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

## Instrumentation and Controls

671-648-4262  
sales@guamtech.com

## Major Elements

### Control Panels

Each of the control panels will be manufactured and delivered fully labeled and wired. We will attempt to follow the GWA supplied drawings as closely as possible.

### Programming

#### Micro870 PLC

The PLC will be programmed to monitor and alarm as configured for all monitored points. Alarms can have variable timing parameters via setpoints.

#### Micro800 HMI Panel

The HMI Panel will display both the current status and alarm status of each monitored point. Analog values will have a trend view available. Alarm History Screen will show a record of past alarms. The PLC will also be configured to interface with the AutoDialer over Modbus.

#### SCADADroid AutoDialer

The AutoDialer will be configured to poll the Micro870 via Modbus TCP and respond to alarms by sending an SMS or email depending on program settings.

### Installation

#### Physical Mounting

AutoDialer panels will be securely anchored in a clear section of wall next to the plant PLC they will be monitoring.

#### Conduits and Wiring

Flexible Conduit will be used to connect the AutoDialer Panels to the panel they will be monitoring. Interconnecting wires shall be provided. Conduits will be sized to comply with NEC 40% fill requirements. AutoDialer panel power will be provided from a breaker on the Control Panel that is being monitored. If a spare breaker is not available, a DIN style circuit breaker will be installed.

#### Wire Termination and Labeling:

MCSC will be responsible for labeling requirements, and termination of wires at instrumentation locations and at control panels. Wires will all be ferruled and labelled with descriptive heat shrink.

## MCS Contractors Inc

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

## Instrumentation and Controls

671-648-4262  
sales@guamtech.com

### Testing and Startup

**Functional Acceptance Test:** MCSC will simulate each alarm point, confirm display on HMI, recording of alarm in the alarm status and history screens. Additionally, alarms configured for dial out should be detected by the auto dialer and acted upon by sending out an alert.

### Documentation and Administration

- Panel Shop Drawings
- Cut Sheets and Product Manuals
- HMI, PLC, Switch, and AutoDialer configuration files
- Training Materials
- Test Plans and Test Reports

MCSC will attend all required progress and coordination meetings.

### Training

MCSC will provide the Training to GWA operators and equipment maintainers.

### Warranty

All materials and workmanship will be warrantied for one year from date of substantial completion.

## MCS Contractors Inc

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

## Instrumentation and Controls

671-648-4262  
sales@guamtech.com

### Payment Terms (Negotiable)

25% Downpayment to begin work and prepare submittals.

25% on Approval of shop drawings

25% to ship panels

15% After Completed Installation

10% on Acceptance

### Exclusions

- All Field Testing, and Commissioning of Equipment, Controls and Software Provided by Others, except where indicated in Scope of Services and to integrate existing equipment.
- All Instruments and Instrument Panels Not Listed under Scope of Supply.
- All LCP's, Termination JB's, and Other Control Panels Not Listed under Scope of Supply.
- All Mast or Towers.
- All Testing Other Than Stated Under Scope of Services.
- All Hardware, Software and Components Not Listed Under Scope of Supply.
- Damages or loss from any theft, vandalism, or negligence by others after delivery to project site.
- Storage of large materials. We will coordinate with the General Contractor on delivery dates of major items. If job site is not ready to receive them, we shall turn items over to General Contractor for storage and safekeeping.

## MCS Contractors Inc

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

Instrumentation and Controls

671-648-4262  
sales@guamtech.com

## General Terms & Conditions

### 1. Applicability

These Terms and Conditions constitute a binding agreement between MCS Contractor Inc. and Contractor and are referred to herein as either Terms and Conditions or this Agreement. Contractor accepts these Terms and Conditions by making a purchase from or placing an order with MCS Contractor Inc. or otherwise requesting products (the Products) or engaging MCS Contractor Inc. to perform or procure any services (the Services).

Contractor may issue a purchase order for administrative purposes only. Additional or different terms and conditions contained in any such purchase order will be null and void.

No course of prior dealings between the parties and no usage of trade will be relevant to determine the meaning of these Terms and Conditions or any purchase order or invoice, or any document in electronic or written form that is signed and delivered by each of the parties for the performance of Services (each, a Scope of Work).

This Agreement contains the entire understanding of the parties with respect to the matters contained herein and supersedes and replaces in its entirety any and all prior communications and contemporaneous agreements and understandings, whether oral, written, electronic or implied, if any, between the parties with respect to the subject matter hereof.

Where Services are ordered in a Scope of Work, each Scope of Work hereby incorporates these Terms and Conditions and constitutes a separate agreement with respect to the Services performed. In the event of an addition to or a conflict between any term or condition of the Scope of Work and these Terms and Conditions, the terms and conditions of this Agreement will control, except as expressly amended in the applicable Scope of Work by specific reference to this Agreement. Each such amendment will be applicable only with respect to such Scope of Work and not any other Scope of Work.

Changes to the scope of the Services will be made only in a writing executed by authorized representatives of both parties. MCS Contractor Inc. will have no obligation to commence work in connection with any such change, unless and until the change is agreed upon in that writing executed by both parties.

All such changes to the scope of the Services will be governed by these Terms and Conditions and the applicable Statement of Work.

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

**2. Warranties**

Contractor understands that MCS Contractor Inc. is not the manufacturer of the Products purchased by Contractor hereunder and the only warranties offered are those of the manufacturer, not of MCS Contractor Inc., its suppliers or subcontractors. MCS will administer any warranty claim outside of manufactures warranty required by terms of contract specifications.

Contractor expressly waives any claim that it may have against MCS Contractor Inc., its suppliers or subcontractors based on any product liability or infringement or alleged infringement of any patent, copyright, trade secret or other intellectual property rights (each a Claim) with respect to any Product and also waives any right to indemnification from MCS Contractor Inc., its suppliers or subcontractors against any such Claim made against Contractor by a third party. Contractor acknowledges that no employee MCS Contractor Inc., its suppliers or subcontractors is authorized to make any representation or warranty on behalf MCS Contractor Inc., its suppliers or subcontractors that is not in this Agreement.

MCS Contractor Inc. warrants that the Services will be performed in a good and workmanlike manner. Contractor's sole and exclusive remedy and MCS Contractor Inc.'s entire liability with respect to this warranty will be, at the sole option of MCS Contractor Inc., to either:

- a. Use its reasonable commercial efforts to reperform or cause to be reperformed any Services not in substantial compliance with this warranty or
- b. Refund amounts paid by Contractor related to the portion of the Services not in substantial compliance; provided, in each case, Contractor notifies MCS Contractor Inc. in writing within five (5) business days after performance of the applicable Services.

Except as set forth herein or in any Statement of Work that expressly amends MCS Contractor Inc.' warranty, and subject to applicable law, MCS Contractor Inc. makes no other, and expressly disclaims all other, representations, warranties, conditions or covenants, either express or implied (including without limitation, any express or implied warranties or conditions of fitness for a particular purpose, merchantability, durability, title, accuracy or non- infringement) arising out of or related to the performance or non-performance of the Services, including but not limited to any warranty relating to third party services, any warranty with respect to the performance of any hardware or software used in performing services and any warranty concerning the results to be obtained from the Services.

This disclaimer and exclusion shall apply even if the express warranty and limited remedy set forth herein fails of its essential purpose.



**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

Contractor acknowledges that no representative of MCS Contractor Inc. or of its affiliates is authorized to make any representation or warranty on behalf of MCS Contractor Inc. or any of its affiliates that is not in this Agreement or in a Statement of Work expressly amending MCS Contractor Inc.' warranty.

Contractor shall be solely responsible for daily back-up and other protection of submitted data and software against loss, damage or corruption. Contractor shall be solely responsible for reconstructing data (including but not limited to data located on disk files and memories) and software that may be lost, damaged or corrupted during the performance of Services. MCS Contractor Inc., its affiliates, and its and their distributors, subcontractors and agents are hereby released and shall continue to be released from all liability in connection with the loss, damage or corruption of data and software, and customer assumes all risk of loss, damage or corruption of data and software in any way related to or resulting from the Services.

Neither Party will not be responsible for and no liability shall result to either or any of its affiliates for any delays in delivery or in performance (other than payment defaults) which result from any circumstances beyond such Party's reasonable control, including, but not limited to, Product unavailability, carrier delays, delays due to fire, severe weather conditions, failure of power, labor problems, acts of war, terrorism, embargo, pandemics, acts of God or acts or laws of any government or agency. [Any shipping dates or completion dates provided by MCS Contractor Inc. or any purported deadlines contained in a Statement of Work or any other document are estimates only.]

Timely performance by MCS Contractor Inc. is contingent upon Contractor's supplying to MCS Contractor Inc., when needed, all required technical information and data, including drawing approvals, and all required commercial documentation. If MCS Contractor Inc. suffers delay in performance due to any cause beyond its reasonable control, the time of performance shall be extended a period of time equal to the period of the delay and its consequences. MCS Contractor Inc. will give to Contractor notice within a reasonable time after MCS Contractor Inc. becomes aware of any such delay.

### 3. Limitation of Liability

Under no circumstances and notwithstanding the failure of essential purpose of any remedy set forth herein, will MCS Contractor Inc., its affiliates or its or their distributors, subcontractors or agents be liable for:

- a. any incidental, indirect, special, punitive or consequential damages including but not limited to, loss of profits, business, revenues or savings, even if MCS Contractor Inc. has been advised of the possibilities of such damages or if such damages are otherwise foreseeable, in each case, whether a claim for any such liability is based on breach of contract, warranty, negligence, strict liability or other theory of liability;

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

- b. any claims, demands or actions against Contractor by any third party;
- c. any loss or claim arising out of or in connection with Contractor's implementation of any conclusions or recommendations by MCS Contractor Inc., its suppliers or subcontractors based on, resulting from, arising out of or otherwise related to the Products or Services; or
- d. Any unavailability of the Product for use or any lost, damaged or corrupted data or software.

In the event of any liability incurred by MCS Contractor Inc. or any of its affiliates, the entire liability of MCS Contractor Inc. and its affiliates for damages from any cause whatsoever will not exceed five (5) percent of the amount paid by Contractor for the Product(s) giving rise to the claim or the specific Services giving rise to the claim.

**4. Limited License**

Contractor's sole rights to the work product, materials and other deliverables to be provided or created (individually or jointly) in connection with the Services, including but not limited to, all inventions, discoveries, methods, processes, formulae, ideas, concepts, techniques, knowhow, data, designs, models, prototypes, works of authorship, computer programs, proprietary tools, methods of analysis and other information (whether or not capable of protection by patent, copyright, trade secret, confidentiality, or other proprietary rights) or discovered in the course of performance of this Agreement that are embodied in such work or materials (the Work Product) will be, upon payment in full to MCS Contractor Inc., a non-transferable, non-exclusive, royalty-free license to use such Work Products solely for Contractor's internal use. Contractor will have no ownership or other property rights thereto and Contractor shall have no right to use any such Work Product for any other purpose whatsoever. Contractor acknowledges that MCS Contractor Inc. may incorporate intellectual property created by third parties into the Work Product (Third Party Intellectual Property). Contractor agrees that its right to use the Work Product containing Third Party Intellectual Property may be subject to the rights of third parties and limited by agreements with such third parties.

**5. Payment**

Contractor agrees to pay the total purchase price for the Products. Terms of payment are within MCS Contractor Inc.'s sole discretion.

In connection with Services being performed pursuant to a Statement of Work, Contractor will pay for the Services in the amounts and in accordance with any payment schedule set forth in the applicable Statement of Work. If no payment schedule is provided, Contractor will pay for the Services as invoiced by MCS Contractor Inc. Invoices are due and payable within the time period specified on the invoice. MCS Contractor Inc. may invoice Contractor separately for partial shipments, and MCS Contractor Inc. may invoice Contractor for all of the Services described in a Statement of Work or any portion thereof.

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

Contractor agrees to pay interest on all past-due sums at the lower of one and one-half percent (1.5%) per month or the highest rate allowed by law.

In the event of a payment default, where MCS Contractors Inc has delivered satisfactory materials and has performed satisfactory work, Contractor will be responsible for all of MCS Contractor Inc.'s costs of collection, including, but not limited to, court costs, filing fees and attorneys' fees. In addition, if payments are not received as described above, MCS Contractor Inc. reserves the right to suspend Services until payment is received.

**6. Cooperation**

In addition to any specific Contractor duties set forth in any applicable Statement of Work, Contractor agrees to cooperate with MCS Contractor Inc. in connection with performance of the Services by providing

- a) timely responses to MCS Contractor Inc.'s inquiries and requests for approvals and authorizations,
- b) access to any information or materials reasonably requested by MCS Contractor Inc. which are necessary or useful as determined by MCS Contractor Inc. in connection with providing the Services, including, but not limited to, physical and computer access to Contractor's computer systems, and
- c) All Required Consents necessary for MCS Contractor Inc. to provide the Services. Required Consents means consents or approvals required to give MCS Contractor Inc., its affiliates, and its and their subcontractors the right or license to access, use and modify all data and third-party products. Contractor acknowledges and agrees that the Services are dependent upon the completeness and accuracy of information provided by Contractor and the knowledge and cooperation of the agents, employees or subcontractors engaged or appointed by Contractor who are selected by Contractor to work with MCS Contractor Inc.
- d) MCS Contractor Inc. will follow all reasonable Contractor security rules and procedures, as communicated in writing by Contractor to MCS Contractor Inc. from time to time.

**7. Contract Changes.**

MCS Contractor Inc. will make any and all changes in the work described in the Contract Documents and this Agreement as directed by Contractor in writing. Such change or written direction shall not invalidate this Agreement.

If necessary, the contract price and the time for MCS Contractor Inc.'s performance shall be adjusted by appropriate modifications mutually agreed upon before MCS Contractor Inc. performs the changed work. MCS Contractor Inc. shall supply Contractor with all documentation necessary to substantiate the amount of the addition to or deduction from the price or time. If Contractor and MCS Contractor Inc. cannot agree

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

on the amount of the addition or deletion, MCS Contractor Inc. shall nonetheless timely perform the work as changed by Contractor's written direction.

Once Subcontractor receives Contractor's written direction, Subcontractor is solely responsible for timely performance of the work as changed by the written direction. MCS will file for any adjustments in accordance Section 12.

**8. Access**

MCS Contractor Inc. may perform the Services at Contractor's construction site, at MCS Contractor Inc.'s own facilities or such other locations as MCS Contractor Inc. and Contractor deem appropriate. When the Services are performed at Contractor's construction site, MCS Contractor Inc. will attempt to perform such Services within Contractor's normal business hours unless otherwise jointly agreed to by the parties. Contractor will also provide MCS Contractor Inc. access to Contractor's staff and any other Contractor resources (and when the Services are provided at another location designated by Customer, the staff and resources at such location) that MCS Contractor Inc. determines are useful or necessary for MCS Contractor Inc. to provide the Services.

**9. Retention of Ownership**

Without prejudice to the provisions in Clause entitled "Risk of Damage or Loss" of these Terms and Conditions regarding the risk and the transfer thereof, all the Products supplied by or on behalf of MCS Contractor Inc. remain the property of MCS Contractor Inc. until the moment that all debts owed by Contractor to MCS Contractor Inc. have been settled in full.

**10. Risk of Damage or Loss**

The risk of damage to or loss of any Product sold and/or delivered by or in the name of MCS Contractor Inc. to Contractor is transferred to Contractor when such Product is first loaded for transportation to Contractor or to a place indicated by Customer, except when and for so far as it might be otherwise agreed in writing.

**11. Mediation and Arbitration**

If a dispute arises from or relates to this contract or the breach thereof, and if the dispute cannot be settled through direct discussions, the parties agree to endeavor first to settle the dispute by mediation administered by the American Arbitration Association under its Construction Industry Mediation Procedures before resorting to arbitration. The parties further agree that any unresolved controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration administered by the American Arbitration Association in accordance with its Construction Industry

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

Arbitration Rules and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof.

**11. Termination**

Either party may terminate performance of a Service or a Statement of Work for cause if the other party fails to cure a material default in the time period specified herein. Any material default must be specifically identified in a written notice of termination. After written notice, the notified party will, subject to the provision of warranties herein, have thirty (30) days to remedy its performance except that it will only have ten (10) days to remedy any monetary default. Failure to remedy any material default within the applicable time period provided for herein will give cause for immediate termination, unless such default is incapable of being cured within the time period in which case the defaulting party will not be in breach (except for Contractor's payment obligations) if it used its reasonable efforts to cure the default.

In the event of any termination of the Services or a Statement of Work, Contractor will pay MCS Contractor Inc. for all Services performed and expenses incurred up to and including the date of termination plus any termination fee if one is set forth in the applicable Statement of Work. In such event Contractor will also pay MCS Contractor Inc. for any out-of-pocket demobilization or other direct costs resulting from termination.

Upon termination, all rights and obligations of the parties under this Agreement will automatically terminate except for any right of action occurring prior to termination, payment obligations and obligations that expressly or by implication are intended to survive termination (including, but not limited to, limitation of liability, indemnity, confidentiality, or licensing of Work Product and this survival provision).

**13. Applicable Law**

The laws of Guam shall apply.

**14. Assignments**

Assignment may be made only with written consent of both parties; provided, however, MCS Contractor Inc. may assign its rights and obligations hereunder to its affiliates without Contractor's consent.

**15. Confidentiality**

For a period of two years after the date hereof, Contractor shall hold confidential and shall not disclose to any third party any of the information and data furnished by MCS Contractor Inc. in connection with the sale of Products or provision of Services hereunder.

**16. Statute of Limitations**

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

Except in the case of non-payment, neither party may institute any action in any form arising out of these Terms and Conditions more than one (1) year after the cause of action has arisen provided that if applicable law requires a longer period, such longer period shall apply.

**17. Insurance**

Casualty Insurance. MCS Contractor Inc. shall, at its expense, procure and maintain insurance on all of its operations, in companies acceptable to Contractor and as required by the prime contract, including the following coverage:

- a. Workers' Compensation and Employer's Liability Insurance. Workers' Compensation insurance shall be provided as required by any applicable law or regulation. Employer's Liability insurance shall be provided in amounts not less than:
  - o \$1,000,000 each accident for bodily injury by accident
  - o \$1,000,000 policy limit for bodily injury by disease
  - o \$1,000,000 each employee for bodily injury by disease
  
- b. General Liability Insurance. MCS Contractor Inc. shall carry Commercial General Liability insurance (Insurance Services Office [ISO] Form CG00 01 (12/04) or equivalent) covering all operations by or on behalf of MCS Contractor Inc. providing insurance for bodily injury liability and property damage liability for the limits of liability indicated below and including but not limited to coverage for:
  - (1) premises and operations;
  - (2) products and completed operations;
  - (3) contractual liability ensuring the obligations assumed by MCS Contractor Inc. in this Agreement;
  - (4) broad form property damage (including completed operations);
  - (5) explosion, collapse and underground hazards (including subsidence and any other earth movement)
  - (6) personal injury liability;
  - (7) Independent contractors.

The limits of liability shall be not less than the amounts required of MCS Contractor Inc. under the Contract Documents, but in no event less than:

- (1) \$1,000,000 each occurrence (combined single limit for bodily injury and property damage)
- (2) \$1,000,000 for personal injury liability
- (3) \$2,000,000 aggregate for products-completed operations
- (4) \$2,000,000 general aggregate

**MCS Contractors Inc**

125 Tun Jesus Crisostomo St, Suite 301  
Tamuning, GU 96913

**Instrumentation and Controls**

671-648-4262  
sales@guamtech.com

**18. Miscellaneous**

- (a) Subject to the restrictions in assignment contained herein, these Terms and Conditions will be binding on and inure to the benefit of the parties hereto and their successors and assigns.
- (b) No provision of this Agreement or any Statement of Work will be deemed waived, amended or modified by either party unless such waiver, amendment or modification is in writing and signed by both parties.
- (c) The relationship between MCS Contractor Inc. and Contractor is that of independent contractors and not that of employer/employee, partnership or joint venture.
- (d) If any term or condition of this Agreement or a Statement of Work is found to be invalid, illegal or otherwise unenforceable, the same shall not affect the other terms or conditions hereof or thereof or the whole of this Agreement or the applicable Statement of Work.
- (e) Notices provided under this Agreement will be given in writing and deemed received upon the earlier of actual receipt or three (3) days after mailing if mailed postage prepaid by regular mail or airmail or one (1) day after such notice is sent by courier or facsimile transmission.
- (f) Any delay or failure by either party to exercise any right or remedy will not constitute a waiver of that party to thereafter enforce such rights.

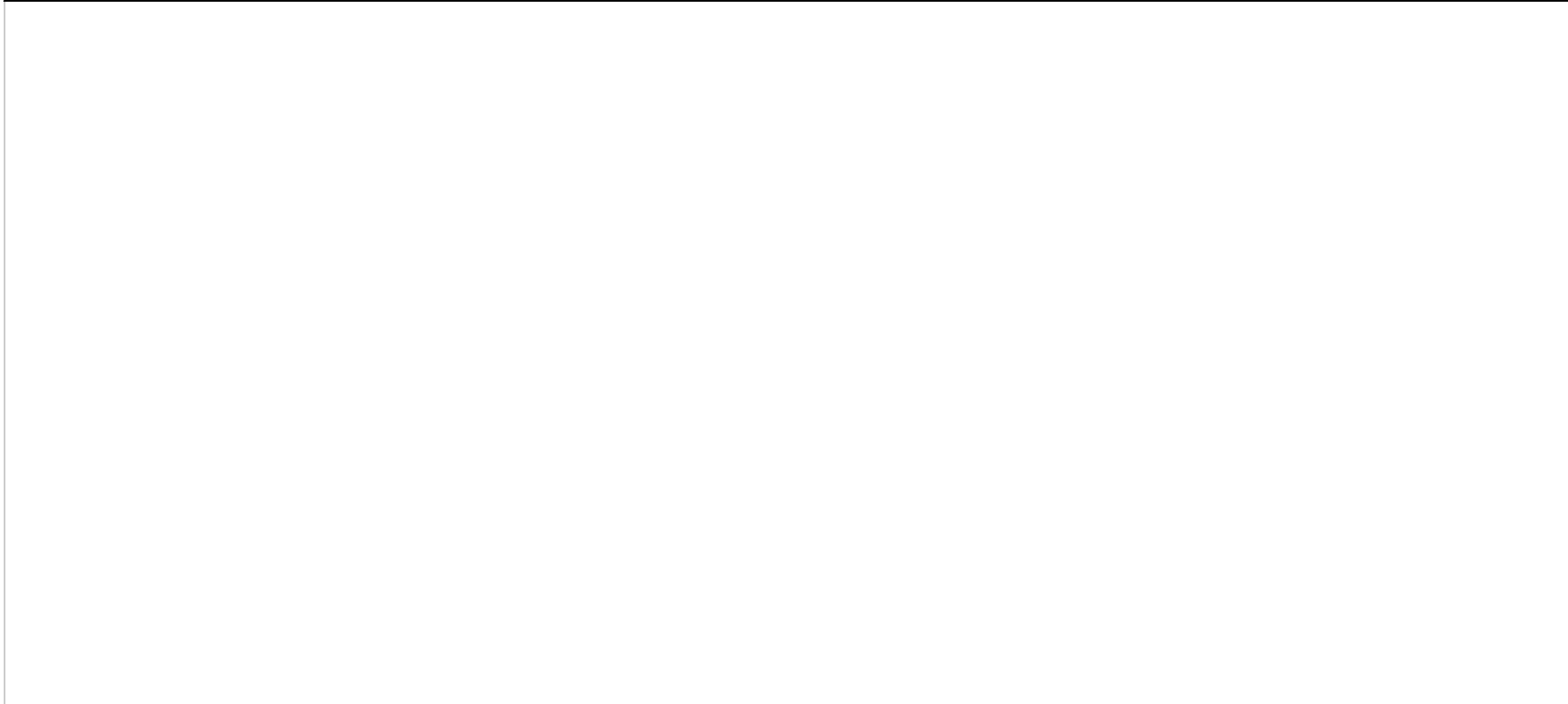
GWA Work Session - September 17, 2024 - ISSUES FOR DECISION

	Task Name	Duration	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter		
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
1	<b>HWWTP SCADA AND CONTROL UPGRADES</b>	<b>167 days</b>	<b>Tue 7/23/24 8:00 AM</b>	<b>Wed 3/12/25 5:00 PM</b>												
2	<b>Project PM and Kick Off</b>	<b>5 days</b>	<b>Tue 7/23/24 8:00 AM</b>	<b>Mon 7/29/24 5:00 PM</b>												
3	NTP	0 days	Tue 7/23/24 8:00 AM	Tue 7/23/24 8:00 AM												
4	Kick off meeting	5 days	Tue 7/23/24 8:00 AM	Mon 7/29/24 5:00 PM												
5	<b>Task 1 Interim Communication</b>	<b>120 days</b>	<b>Tue 7/23/24 8:00 AM</b>	<b>Mon 1/6/25 5:00 PM</b>												
6	Submittal Prep	5 days	Tue 7/23/24 8:00 AM	Mon 7/29/24 5:00 PM												
7	GWA Review	5 days	Tue 7/30/24 8:00 AM	Mon 8/5/24 5:00 PM												
8	Equipment Order and shipping	80 days	Tue 8/6/24 8:00 AM	Mon 11/25/24 5:00 PM												
9	Installation	20 days	Tue 11/26/24 8:00 AM	Mon 12/23/24 5:00 PM												
10	Commissioning and Testin	10 days	Tue 12/24/24 8:00 AM	Mon 1/6/25 5:00 PM												
11	<b>Task 2 Assessment</b>	<b>120 days</b>	<b>Tue 8/6/24 8:00 AM</b>	<b>Mon 1/20/25 5:00 PM</b>												
12	As-built and Documentation review	5 days	Tue 8/6/24 8:00 AM	Mon 8/12/24 5:00 PM												
13	Preliminary report/ work plan	10 days	Tue 8/13/24 8:00 AM	Mon 8/26/24 5:00 PM												
14	Site visits	10 days	Tue 8/27/24 8:00 AM	Mon 9/9/24 5:00 PM												
15	Data review and Analysis	20 days	Tue 9/10/24 8:00 AM	Mon 10/7/24 5:00 PM												
16	Coordination	5 days	Tue 10/8/24 8:00 AM	Mon 10/14/24 5:00 PM												
17	Draft specification and Report	30 days	Tue 10/15/24 8:00 AM	Mon 11/25/24 5:00 PM												
18	GWA Review	10 days	Tue 11/26/24 8:00 AM	Mon 12/9/24 5:00 PM												
19	Procurement report/ cost estimates	15 days	Tue 12/10/24 8:00 AM	Mon 12/30/24 5:00 PM												
20	Final Report	15 days	Tue 12/31/24 8:00 AM	Mon 1/20/25 5:00 PM												



GWA Work Session - September 17, 2024 - ISSUES FOR DECISION

	Task Name	Duration	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter	
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
21	<b>SCADA Design</b>	<b>107 days</b>	<b>Tue 10/15/24 8:00 A</b>	<b>Wed 3/12/25 5:00 P</b>											
22	Follow up local team site visit	5 days	Tue 10/15/24 8:00 AM	Mon 10/21/24 5:00 PM											
23	Coordination meeting with GWA	2 days	Tue 10/22/24 8:00 AM	Wed 10/23/24 5:00 PM											
24	Draft Design	60 days	Thu 10/24/24 8:00 AM	Wed 1/15/25 5:00 PM											
25	GWA review	10 days	Thu 1/16/25 8:00 AM	Wed 1/29/25 5:00 PM											
26	Final Design	30 days	Thu 1/30/25 8:00 AM	Wed 3/12/25 5:00 PM											



Project: HWWTP SCADA Schedule DRAFT Date: Wed 7/24/24 8:59 AM	Task	Inactive Task	Manual Summary Rollup	External Milestone	
	Split	Inactive Milestone	Manual Summary	Deadline	
	Milestone	Inactive Summary	Start-only	Progress	
	Summary	Manual Task	Finish-only	Manual Progress	
	Project Summary	Duration-only	External Tasks		

## Exhibit D

**August 14, 2024**

**Scope of work for Causeway, headworks, clarifier works**

### **1. GWA HWWTP Causeway Temporary Forcemain Design**

Provide design for an inter-connection of a temporary forcemain along the existing access causeway. The upstream and downstream size, flow and working pressure will be provided by GWA. DCA will provide the construction plans and appropriate specifications for GWA to incorporate into the new Forcemain bid package (provided by others)

DCA will coordinate this forcemain interconnection with the ongoing culvert repairs (by DCA) and new/temporary forcemain (Others)

The design will include:

- Draft and final sealed plans and specifications
- A basis of design
- Cost estimate (Class 3 at BOD, Class 1 at 90%)
- Survey of causeway (as necessary) for additional related road work
- Coordination of any additional permitting for causeway work, as necessary

### **2. Conduct mechanical equipment assessment and design for head-works and chain and flight replacement**

DCA will provide the design plans to replace the existing step screen, bin and cover with a new (single) drum screen similar to existing drum screens within GWA WWTPs. The intent will be to replace at the existing location of the step screen. This will provide for continuity in operation and equipment for the screening system.

DCA will provide design for a permanent air mixing system to replace the temporary air system before the screening, and remove the nonfunctional mixing system equipment as necessary.

DCA will provide design for the rehabilitation or replacement of the Parshall Flume in the bypass channel, to include measuring instrumentation and replacement of electrical parts as necessary.

DCA will coordinate with GWA and provide the product specification and plan sheets needed to replace the existing chain and flights in all three clarifiers. This will include repair details and estimated quantities to address existing concrete spalling. It will also include recoating of the clarifier interior. Included as part of this effort will be to repair an identified leak along the influent channel that is leaking into the pump gallery.

The design will include:

- Draft and final sealed plans and specifications
- A basis of design
- Cost estimates (Class 3 at BOD, Class 1 at 90%)

### **3. Dewatering System Study**

DCA will prepare a technical report to present alternatives for the existing dewatering system. This report will include options for a new dewatering building, schematic layout, interconnection and a review of available dewatering equipment, as well as options for upgrade/rehabilitation of current building. This report will also include comparison cost estimates and recommendations for dewatering system upgrade/replacement. A draft and final copy of this report will be provided to GWA





Presentation To:

Consolidated Commission on Utilities

GWA Work Session  
September 17, 2024



# Issues for Resolution

GWA Work Session  
September 17, 2024



# Uncollectible Receivables

## Relative to Approving the Charge-off of Guam Waterworks Authority Receivables Deemed Uncollectible

### GWA Resolution No. 30-FY2024

**What is the project’s objective and is it necessary and urgent?**

It is good accounting practice to regularly review accounts receivable to ensure the Allowance for Doubtful Accounts is appropriate and to write off accounts that are deemed uncollectible. If uncollectible receivables are not written off regularly, e.g., annually, Accounts Receivable and the related Allowance accounts become overstated.

The last write off was performed in August 2023 as per Resolution 30-FY2023.

**Where is the project located?**

N/A

**How much will it cost?**

The proposed amount to be charged off is \$1,071,981.

Account	Count	Amount
<b>Trade Receivables</b>	1,546	\$1,061,541
<b>Accounts Receivable, Others</b>	4	10,440
<b>Total</b>	1,540	\$1,071,981

*(continued on next page)*



## Uncollectible Receivables

### Relative to Approving the Charge-off of Guam Waterworks Authority Receivables Deemed Uncollectible

#### **GWA Resolution No. 30-FY2024**

The Trade Receivables are 96.51% Residential, 3.34% Commercial, and .05% Agricultural. The Accounts Receivable, Others is related to health insurance for two retirees, amounts owed for lost equipment for one inactive employee, and a sewage discharge fee. GWA updated procedures to require automatic payments from retirees' bank accounts and non-trade receivables will be reviewed quarterly by the ACFO.

As receivables are written off, the Allowance is adjusted. The write off of receivables will not impact income as the amounts were expensed as the Allowance was adjusted, i.e., the write off will reduce the Accounts Receivable and the Allowance for Doubtful Accounts balances on the Statement of Net Position (aka Balance Sheet).

Note, if these receivables are eventually collected, the amounts will be recognized as Miscellaneous Income.

#### **When will it be completed?**

The write-offs will occur once the resolution is approved by the CCU.

#### **What is the funding source?**

Not applicable.

#### **The RFP/BID responses (if applicable):**

Not applicable.

## **Water-Wastewater Operations Engineer**

### Relative to the Creation and Approval of Position Classification Specification for the Water-Wastewater Operations Engineer (Classified)

#### **GWA Resolution No. 33-FY2024**

#### **What is the project's objective and is it necessary and urgent?**

The project's objective is to establish a Water-Wastewater Operations Engineer position at GWA that is 100% dedicated to supporting the operations division. This role will assist the Assistant General Manager of Operations (AGM-O) and the water and wastewater teams in addressing both large-scale and day-to-day operational challenges. By providing engineering expertise focusing exclusively on operations, the position is designed to fill the currently existing knowledge gap between CIP design/construction of GWA systems and the operation of those systems by certified operators. By bridging this gap with engineering expertise, the position will enhance the production, treatment, and distribution of water, as well as the collection and treatment of wastewater. The necessity and urgency for this position stem from several critical factors.

First, the position will significantly improve operational efficiency. With direct involvement, the engineer will provide hands-on technical guidance to address both routine and complex operational issues, improving troubleshooting, streamlining decision-making, and minimizing downtime across all water and wastewater systems. This will help ensure that operations run smoothly and effectively, addressing everything from minor maintenance issues to major system disruptions.

The role also brings essential technical expertise. By working closely with the operations teams, the engineer can perform field investigations, analyses, and recommend design or process modifications that will enhance the overall process or operational efficiency, quality, and reliability of water and wastewater services. This includes improvements in system performance, optimizing treatment processes, and ensuring better water distribution and wastewater collection.

*(continued on next page)*

## **Water-Wastewater Operations Engineer**

### Relative to the Creation and Approval of Position Classification Specification for the Water-Wastewater Operations Engineer (Classified)

#### **GWA Resolution No. 33-FY2024**

Asset management is another key responsibility of this position. The engineer will assess and manage the maintenance and upgrades of critical facilities, ensuring that GWA's infrastructure, including pumps, pipelines, and treatment systems, is always operating at its highest capacity. This proactive approach will help extend the life of vital equipment, reduce the likelihood of costly breakdowns, and ensure consistent service delivery.

In addition, the position will be pivotal in strategic planning, supporting the AGM-O in resource allocation, prioritization of projects, and the timely execution of repairs and upgrades. The engineer's input will improve operator's understanding of system design and operational capabilities, help avoid costly reworks and ensure that all operations meet the necessary standards and objectives. Their involvement will ensure that operations teams have the engineering support they need for both immediate challenges and long-term projects, enabling better planning for the future.

The urgency for this position is driven by (1) the opportunity to enhance the production, treatment, and distribution of water, as well as the collection and treatment of wastewater; and (2) to encourage the role of engineers as certified operators to improve recruitment/retention in operational divisions; and (3) over the long-term enhance the quality of GWA operations through a more effective collaboration between engineers and operators. By focusing on optimizing processes and maximizing operational efficiency, GWA can continue to deliver consistent, high-quality services to its customers. The addition of a dedicated Water-Wastewater Operations Engineer will strengthen GWA's ability to maintain reliable systems, proactively manage infrastructure, and ensure seamless service delivery. This role is key to supporting GWA's long-term objectives of providing safe, efficient, and resilient water services that meet both current and future needs.

*(continued on next page)*<sup>6</sup>

## Water-Wastewater Operations Engineer

### Relative to the Creation and Approval of Position Classification Specification for the Water-Wastewater Operations Engineer (Classified)

#### GWA Resolution No. 33-FY2024

##### Where is the location?

The Water-Wastewater Operations – Engineer will be organizationally based within the Operations or Engineering Divisions of GWA.

##### How much will it cost?

There is no cost in creating the series of positions, however, the proposed salary range to fill the positions is as follows:

Water-Wastewater Operations – Engineer

- o Minimum: \$? per annum / \$? per hour
- o Maximum: \$? per annum / \$? per hour

The proposed pay ranges are aligned with the 25th percentile of the 2022 market study and were approved by the CCU in May 2024. Compensation is structured using the Strategic Pay Plan Methodology, ensuring that the salary framework is competitive and reflective of industry standards.

##### When will it be completed?

Public Law 28-159, Section 7.0.3 (c) requires GWA to post a petition on their respective websites for ten (10) days (Saturdays, Sundays, and government of Guam holidays excepted). Once adopted by the CCU, the creation of the Water-Wastewater Operations – Engineer position will not be filled until thirty (30) days have elapsed from the date of filing the petition of the resolution with the Legislative Secretary and the Department of Administration.

## **Water-Wastewater Operations Engineer**

Relative to the Creation and Approval of Position Classification Specification for the Water-Wastewater Operations Engineer (Classified)

**GWA Resolution No. 33-FY2024**

**What is the funding source?**

Revenue generated by current service rates and fees for all water and wastewater customer classes.

**The RFP/BID responses (if applicable):**

N/A

# **Santa Rita Springs Facility Rehabilitation Project Grant Application**

Relative to CCU authorization/endorsement of the GWA application for Bureau of Reclamation WaterSMART Planning And Project Design Grant funding for the Santa Rita Springs Facility Rehabilitation Project.

## **GWA Resolution No. 34-FY2024**

### **What is the project's objective and is it necessary and urgent?**

The objective is to obtain CCU approval and endorsement of submission of a federal grant application for the project to retain engineering services from experienced and qualified firms for the engineering design for GWA's Santa Rita Springs Facility Rehabilitation project. This project may be potentially partially funded through the Bureau of Reclamation (BOR) WaterSMART Planning And Project Design program. This project is necessary to reduce operational costs in the Santa Rita village and surrounding areas where a significant amount of purchased Navy water is used to supply customer demand. The project will incorporate design recommendations identified in the May 2020 WERI Study by Bourke, Jenson, Habana, and Lander intended to maximize spring capacity by increasing estimated flows by 250-1200 gallons per minute (gpm). A significant increase could be realized as GWA currently draws approximately 290 gpm.

The purpose of this CCU resolution is to authorize GWA to enter into a grant agreement with the United States Bureau of Reclamation. This is necessary and urgent as the endorsement is a requirement of the grant program prior to award issuance for the current grant cycle.

### **How much will it cost?**

Additional design cost: \$0

Total additional funding request to include contingencies: \$0

### **When will it be completed?**

Design work is anticipated to be completed within two (2) years. Additionally, grant period is for two (2) years.

### **What is the funding source?**

Not applicable.

### **The RFP/BID responses (if applicable):**

Not applicable.

## Dungca Beach Sewer Line Relocation Project

Relative to Approval of Additional Funding for the Design Services of Dungca Beach Sewer Line Relocation Project

### GWA Resolution No. 35-FY2024

#### **What is the project's objective and is it necessary and urgent?**

The project's objective is to abandon in place the existing sewer located along Dungca beach and redirect the sewage flow to and replace/re-route the existing 8-inch sewer line in Trankilo Road. This project was originally awarded in April of 2021 with a scope of work to achieve this objective. However, prior to completion of the original scope of work, it was determined that additional design services were needed to address several factors, including (1) erosion of the embankment along the access road to the Bayside Sewage Pump Station serving the Duncga Beach area; and (2) forcemain and pump station upgrades required by the recently entered 2024 Partial Consent Decree.

The change order to address these needed items amounts to an additional Six Hundred Eleven Thousand Two Hundred Fifty-Three Dollars (\$611,253.00) for additional design of the following: 1) stabilize the embankment and access road leading to GWA's Bayside Pump Station, 2) replacement of the existing 8-inch aging Force Main, 3) telecommunication line for future SCADA, 4) sewer manhole rehabilitation, 5) installation of flow metering and logging device at the Pump station to monitor/evaluate the capacity of the wet well, new 8" diameter sewer gravity to accommodate the existing and new sewage flows from Lagoon Drive and existing I & I and, 6) a new two-lane asphalt paved road over relocated gravity sewer lines within the existing 40-foot Right of Way to correct long-standing encroachment on private property, 7) modeling analysis of the 8" sewer line and Pump Station to receive from such future development and, 8) upsize of existing 8" to 10" sewer line for future developments.

#### **Where is the location?**

Along Trankilo Road, heading to Jimmy Dees Resort Bar, Agana Bay Condo and Villa Condo located at Tamuning.

*(continued on next page)*

## Dungca Beach Sewer Line Relocation Project

Relative to Approval of Additional Funding for the Design Services of Dungca Beach Sewer Line Relocation Project

### GWA Resolution No. 35-FY2024

#### How much will it cost?

The original contract scope for this project with one amendment was Six Hundred Thirty-Three Thousand Six Hundred Twenty-Five Dollars and Seventy-Five Cents (\$633,625.75). The additional funding requested for the work described above is Six Hundred Eleven Thousand Two Hundred Fifty-Three Dollars (\$611,253.00). A 10% contingency of Sixty-One Thousand One Hundred Twenty-Five Dollars (\$ 61,125.00). A total additional amount of Six Hundred Seventy-Two Thousand Three Hundred Seventy-Eight Dollars (\$672,378.00), bringing the total authorized funding amount to One Million Three Hundred Six Thousand Three Dollars and Seventy-Five Cents (\$1,306,003.75).

#### When will it be completed?

The construction project is anticipated to be completed within 36 months of the Notice to Proceed.

#### What is the funding source?

USEPA SRF M96902623

#### The RFP/BID responses (if applicable):

None



# Fujita Sewage Pump Station Rehabilitation and Redundant Force Main Design Project

## Approval of Additional Funding for the Fujita Sewage Pump Station Rehabilitation and Redundant Force Main Design Project

### **GWA Resolution No. 36-FY2024**

#### **What is the project's objective and is it necessary and urgent?**

The Fujita Sewage Pump Station (SPS) and force main conveys most of Tumon Bay's sewage flows out of the Tumon area and towards the Northern Wastewater Treatment Plant. The force main is approximately 7,100 feet long. Due to a lack of redundancy, the existing force main cannot be isolated or removed from service to perform repairs, maintenance, or condition assessments. The force main's condition is not fully known and failure of the force main could lead to service disruptions, which may impact the health of the community, environment, and negatively impact Guam's main tourist area.

The design project's original goal was to design a redundant force main, which would allow a single force main to be out of service for repairs or maintenance without interrupting service. An initial assessment of accessible sections of the existing force main at air relief valves (ARV) identified a maximum force main wall thickness loss of eleven percent (11%) at one ARV and thirty-eight (38%) at another ARV. Additional force main assessment will be scheduled during the construction of the new force main, to take advantage of the trenching activities for the new force main.

The Fujita SPS is essential to GWA's wastewater operations and required to be rehabilitated within seven years of the Partial Consent Decree (PCD) effective date. As such, the assessment and rehabilitation design of the Fujita SPS in accordance with the recently approved PCD was added into the project scope as authorized by the CCU through Res. No. 04-FY2024 in November 2023. During the conduct of that work, the engineering team determined that in order to properly maintain the Fujita SPS, a way to shut down the station for wet well and general maintenance was necessary. The team concluded that the now-defunct Tumon SPS located on the existing Fujita SPS site could potentially be rehabilitated and used to accomplish this, while also adding marginal additional capacity to the Tumon basin without the need to purchase additional property or expand the site footprint.

# Fujita Sewage Pump Station Rehabilitation and Redundant Force Main Design Project

## Approval of Additional Funding for the Fujita Sewage Pump Station Rehabilitation and Redundant Force Main Design Project

### **GWA Resolution No. 36-FY2024**

The designer’s proposal for the Tumon SPS assessment and rehabilitation design was negotiated to \$435,432.80. A 10% contingency is requested for future change orders, which may include the designer ordering long-lead items prior to a construction contract being awarded. This would increase total previously authorized funding of \$1,841,839.18 by an additional \$398,896.12 to a new authorized funding amount of \$2,240,735.30.

### **Where is the location?**

The Fujita Sewage Pump Station is located at the Northeast corner of Pale San Vitores Road and Fujita Road, in Tumon. The Tumon Sewage Pump Station is located on the Fujita SPS site. The force main originates at the pump station, goes up Happy Landing Road to Route 1, across Route 1 to Hamburger Road, and then terminates near Route 16 SPS (see attached map).

### **How much will it cost?**

Original Contract Cost:	\$930,834.57
Additional Cost for Fujita SPS assessment and design, and additional FM condition assessment services	\$670,764.72
Additional Cost for Tumon SPS assessment and design	<u>\$435,432.80</u>
<b>Contract + change order:</b>	\$2,037,032.09
Ten percent contingency	<u>\$203,703.21</u>
<b>Total authorized amount</b>	<b>\$2,240,735.30</b>

# Fujita Sewage Pump Station Rehabilitation and Redundant Force Main Design Project

## Approval of Additional Funding for the Fujita Sewage Pump Station Rehabilitation and Redundant Force Main Design Project

### GWA Resolution No. 36-FY2024

#### When will it be completed?

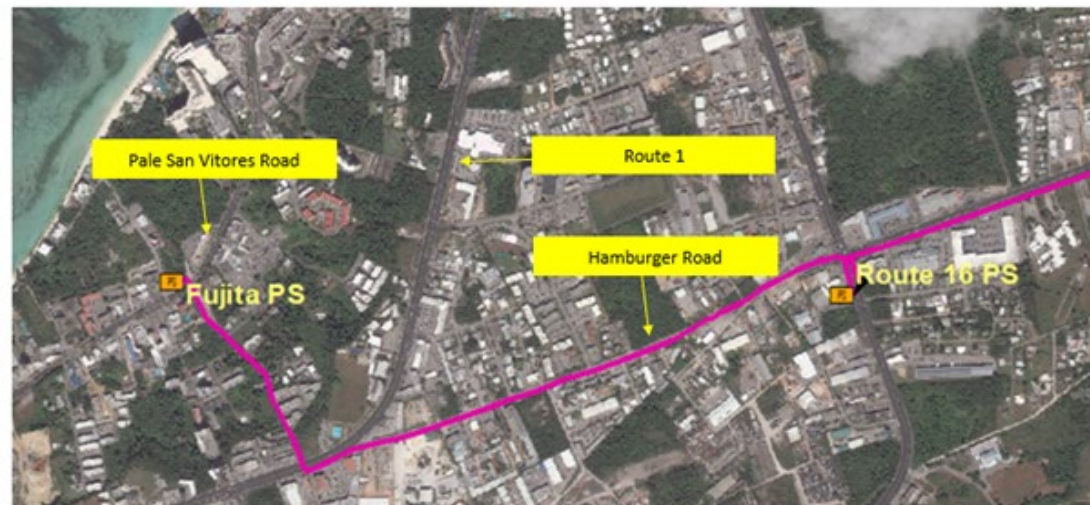
The Tumon SPS rehabilitation design as part of the Fujita SPS rehabilitation design is anticipated to be completed in August 2025. Construction procurement will begin upon completion of the design.

#### What is the funding source?

United States Environmental Protection Agency grants and potentially Bond funds.

#### The RFP/BID responses (if applicable):

NA



Fujita Sewer Pump Station and Force Main Locations

# Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis Project

## Relative to Approval of Additional Funding for the Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis Project

### **GWA Resolution No. 37-FY2024**

#### **What is the project's objective and is it necessary and urgent?**

The Hagatna Wastewater Treatment Plant (WWTP) was constructed in 1975, and receives and treats wastewater from the central villages of Guam, and discharges treated effluent through a deep ocean outfall. Access to the Hagatna WWTP is via the causeway, and although reinforced in prior projects, the three original causeway bridges are in dire need of rehabilitation. Additionally, structural and process issues within the Hagatna WWTP identified as part of engineering assessments need to be addressed.

The project's goal is to assess and design for rehabilitation and repair of the causeway bridges and other process facilities within the Hagatna WWTP, to extend the operation life of the facility. As part of this effort, the assessment, design and, rehabilitation of the clarifiers, headworks, and other mechanical equipment, as well as the installation of the bypass force main across the causeway from the Hagatna Main Sewage Pump Station for Change Order No. 3 is needed.

The designer's proposal for Change Order No. 3 is \$116,964.00. A 10% contingency is requested for future change orders, which may include the designer ordering long-lead items prior to a construction contract being awarded.

#### **Where is the location?**

The Hagatna WWTP and Causeway are located in Hagatna, next to the Hagatna Boat Basin (see attached map).

*(continued on next page)*

# Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis Project

Relative to Approval of Additional Funding for the Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis Project

## GWA Resolution No. 37-FY2024

### How much will it cost?

Original Contract Cost: . . . . .	\$114,820.00
Change Order No. 1 . . . . .	\$65,679.00
Change Order No. 2 . . . . .	\$761,672.00
Additional Cost for Change Order No. 3 . . . . .	<u>\$116,964.00</u>
<b>Contract + change orders: . . . . .</b>	<b>\$1,059,135.00</b>
Ten percent contingency . . . . .	<u>\$105,913.50</u>
<b>Total authorized amount . . . . .</b>	<b>\$1,165,048.50</b>

### When will it be completed?

The assessment and design are anticipated to be completed in April 2025. Construction procurement will begin upon completion of the design.

### What is the funding source?

Wastewater Bond funds applicable to the project.

*(continued on next page)*<sup>16</sup>

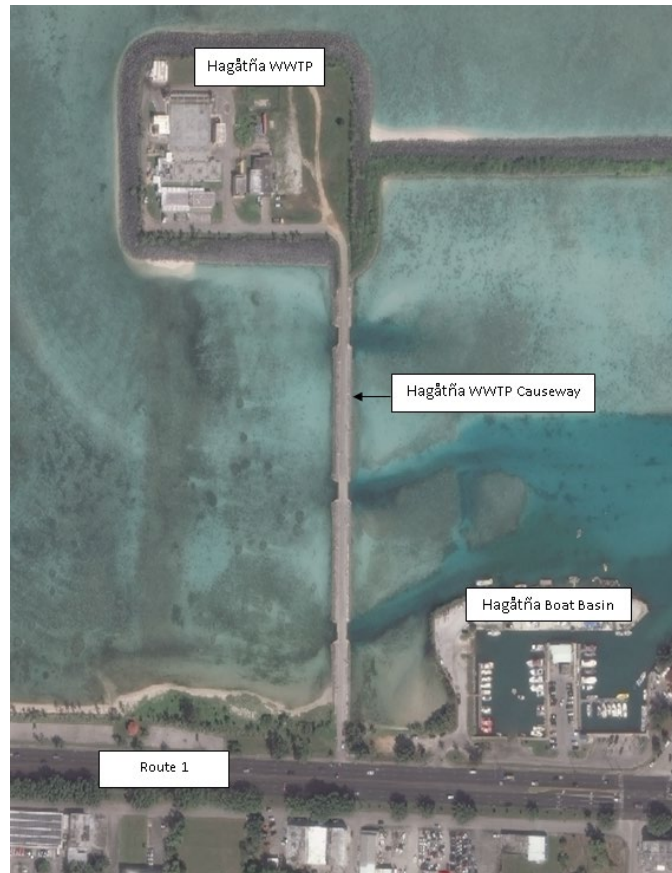
# Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis Project

Relative to Approval of Additional Funding for the Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis Project

**GWA Resolution No. 37-FY2024**

**The RFP/BID responses (if applicable):**

NA





# Management Report

## GWA Work Session

### September 17, 2024





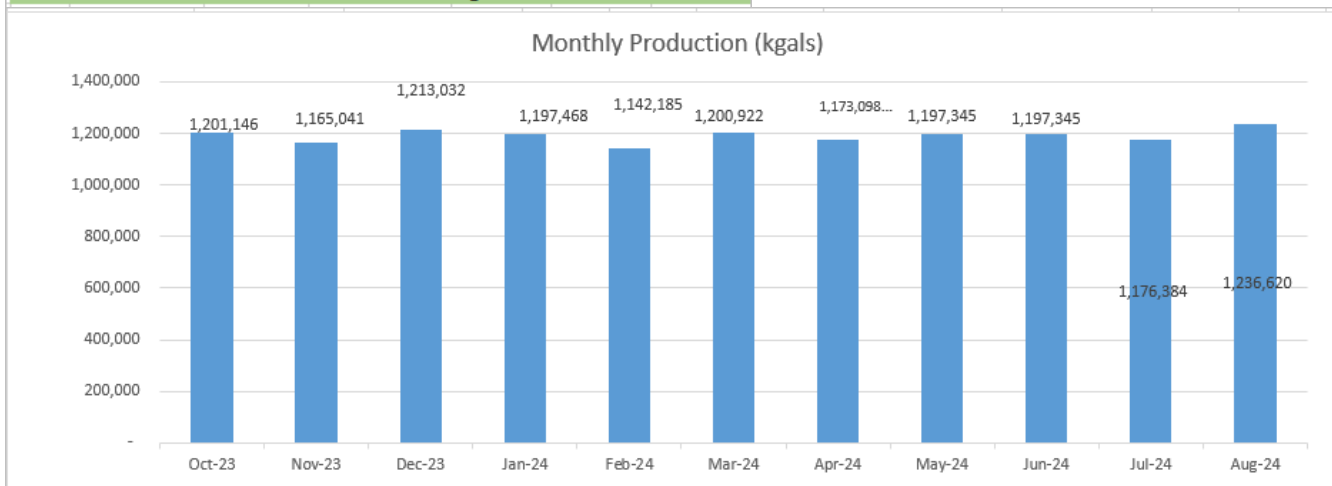
**GUAM WATERWORKS AUTHORITY**

**Operations Update**

Water Production (August 2024)

Monthly Production Summary - August 2024			
<b>Deep Wells</b>		<b>38.0 MGD</b>	
Active wells =	99	of 120	
Avg days in operation =	30	days	
Total Production =	1,151,202	Kgals	
<b>Springs</b>		<b>0.10 MGD</b>	
Avg days in operation =	31	days	
Total Production =	1,964	Kgals	
<b>Ugum Surface Water Plant</b>		<b>2.0 MGD</b>	
Avg days in operation =	31	days	
Total Production =	53,532	Kgals	
<b>Tumon Maui Well</b>		<b>1.00 MGD</b>	
Avg days in operation =	31	days	
Total Production =	29,922	Kgals	
		<b>1,236,620</b>	<b>41.1 MGD</b>

DW Status as of 8/31/2024		REMARKS
<b>Active</b>	<b>99</b>	DW units on line
<b>Standby</b>	<b>1</b>	A29
<b>Grounded Motors, Secured for Corrective Maintenance</b>	<b>9</b>	A26-D01-D03-D06-D09-F15-M05-M12-M16
<b>Out of Commission</b>	<b>9</b>	A02-A07-A28-D05-D13-M01-M14-MJ01-MJ05
<b>Secured - PFAs</b>	<b>2</b>	A23 and-A25
<b>TOTAL</b>	<b>120</b>	

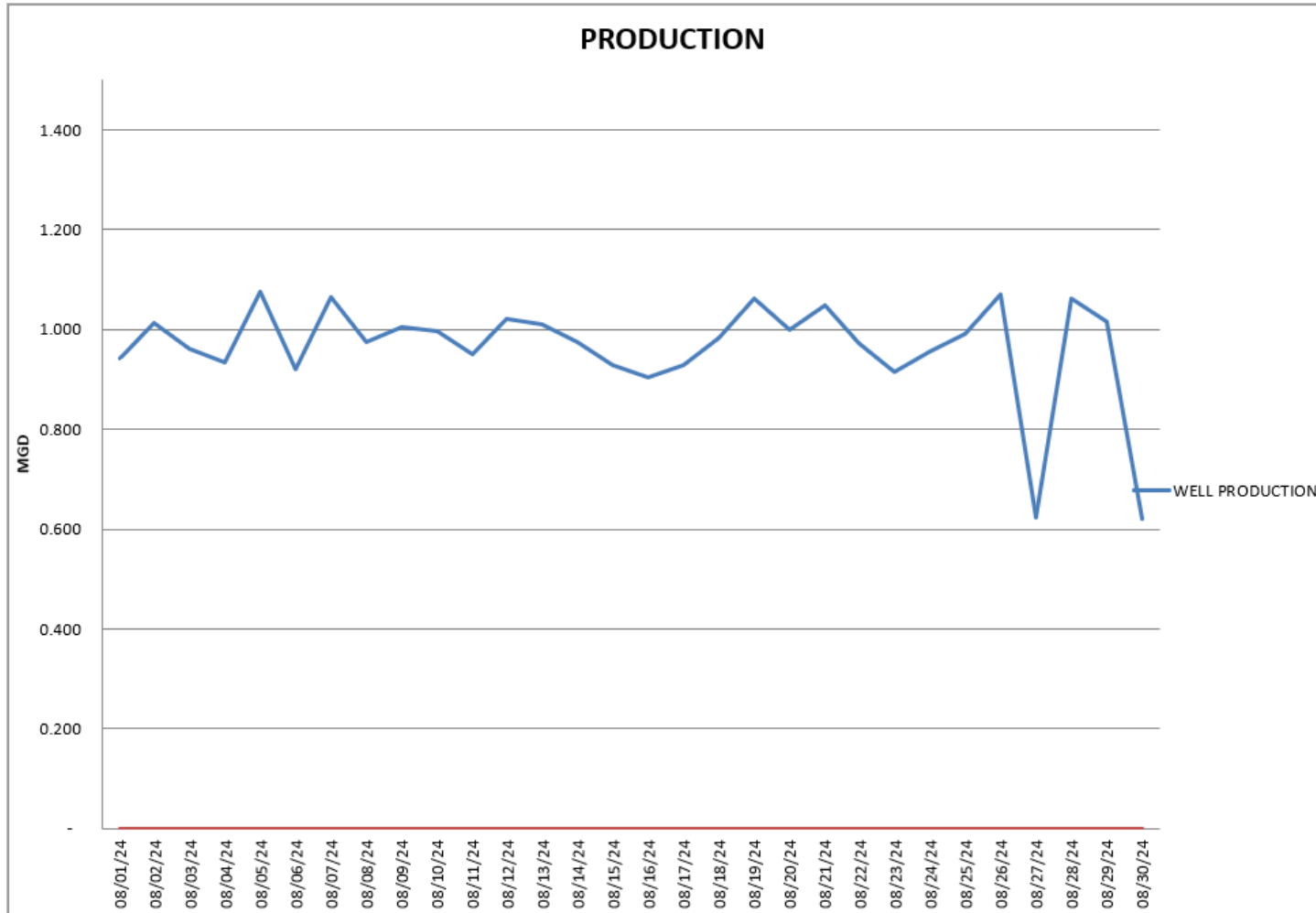






**GUAM WATERWORKS AUTHORITY**

Tumon Maui Well Production (August 2024)

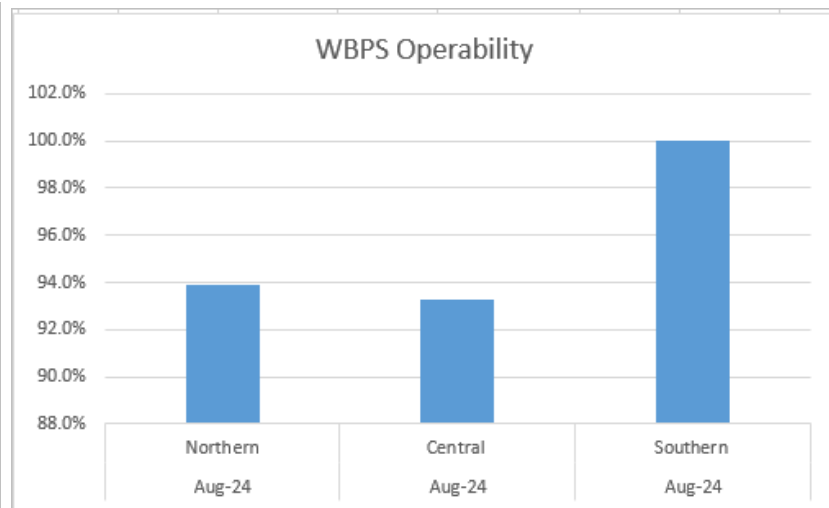
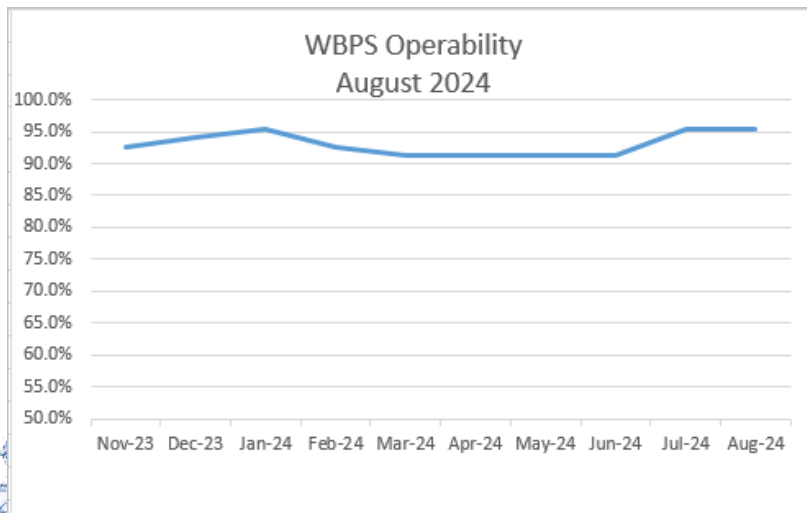




**GUAM WATERWORKS AUTHORITY**

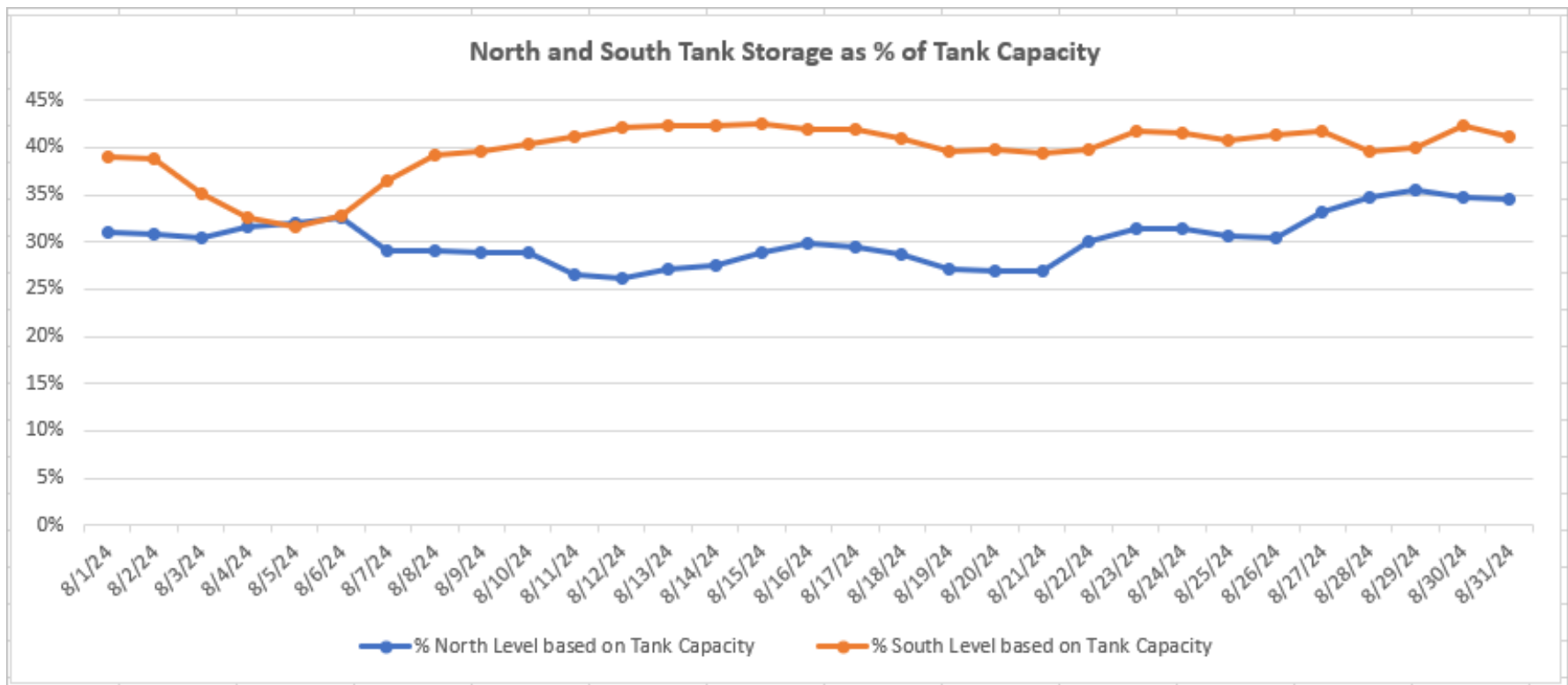
Water Distribution (August 2024)

Monthly Distribution Summary - August 2024					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	14	33	31	93.9%
	Central	7	15	14	93.3%
	Southern	8	19	19	100.0%
		29	67	64	95.5%





Water Distribution – Tank Levels (August 2024)

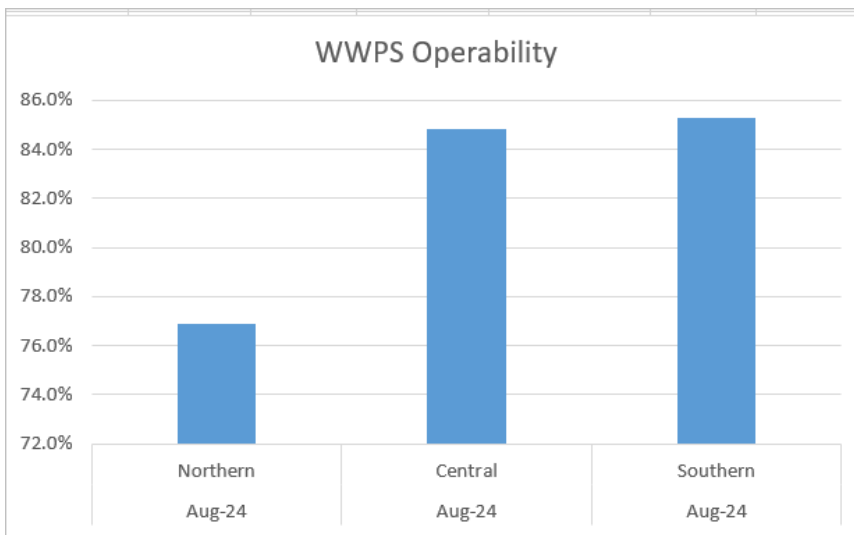
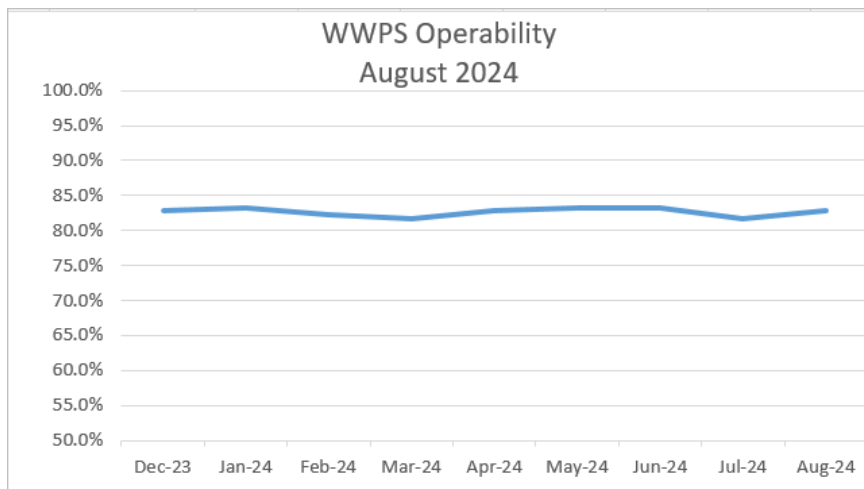




**GUAM WATERWORKS AUTHORITY**

Wastewater Collections (August 2024)

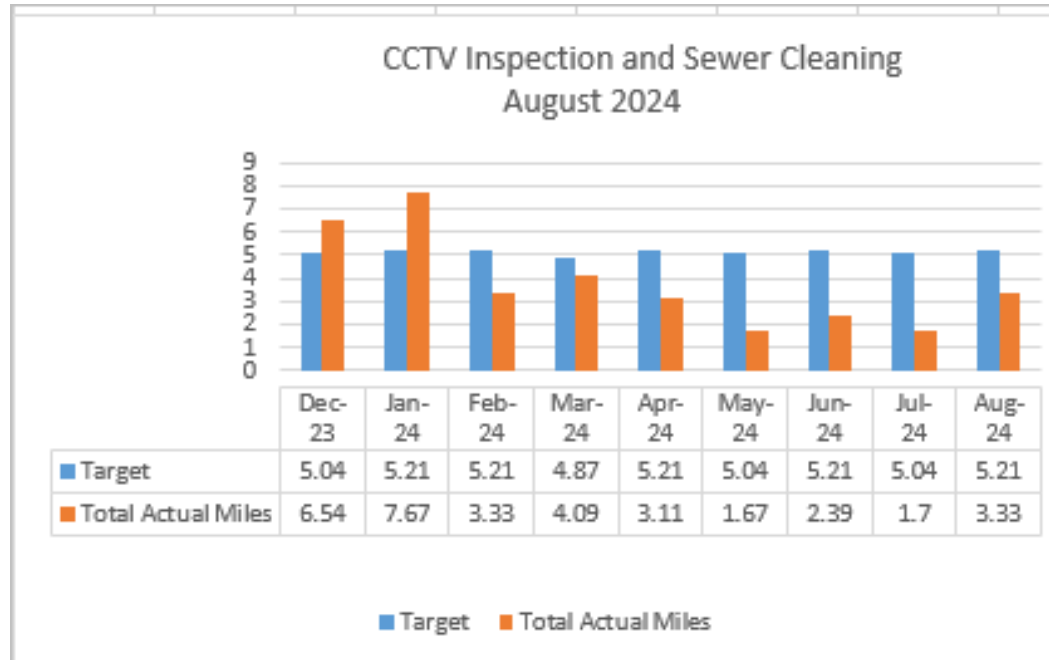
Monthly Collections Summary - August 2024					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	40	76.9%
	Central	30	66	56	84.8%
	Southern	32	68	58	85.3%
		84	186	154	82.8%





**GUAM WATERWORKS AUTHORITY**

Wastewater Collections – CCTV (through August 2024)

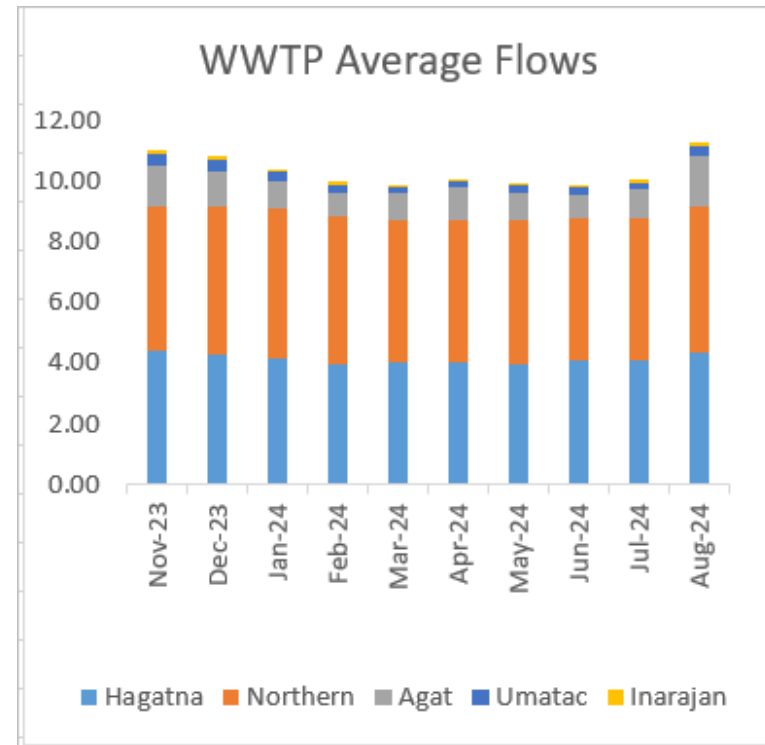




**GUAM WATERWORKS AUTHORITY**

Wastewater Treatment (August 2024)

Monthly Wastewater Treatment Summary - August 2024				
WW Treatment Plants - Flows				
Facility	Avg. Daily Flows (MGD)	Sludge (lbs)	Sludge Disp. (\$)	
Hagatna	4.36	359,160	\$ 32,324	
Northern	4.81	650,260	\$ 58,523	
Agat	1.64	17,220	\$ 1,550	
Umatac	0.33			
Inarajan	0.1			
	11.24	1,026,640	\$ 92,397	

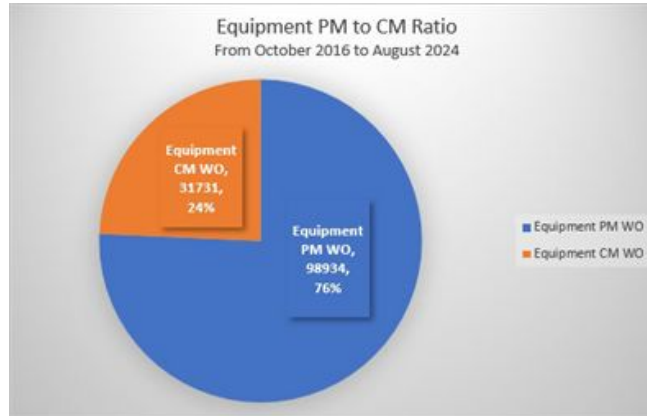




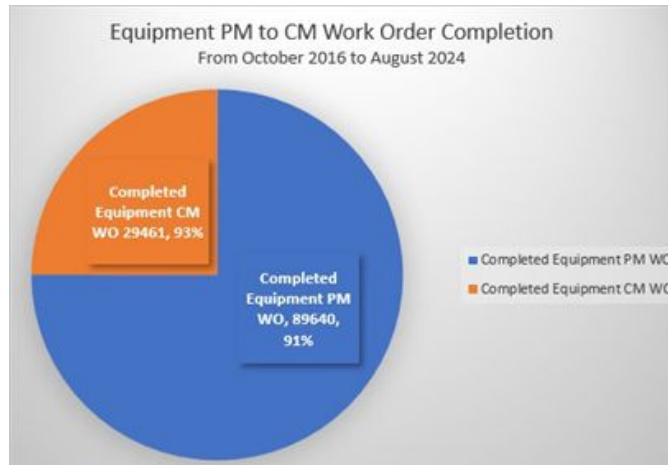
**GUAM WATERWORKS AUTHORITY**

Asset Management (through August 2024)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*



II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*

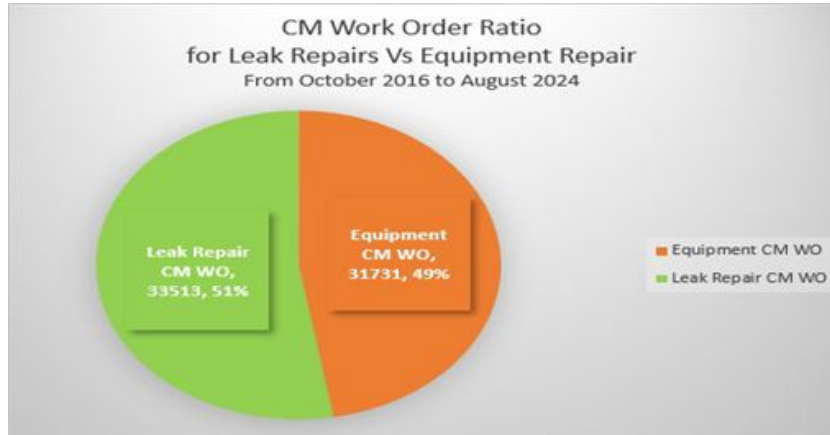




## GUAM WATERWORKS AUTHORITY

Asset Management (through August 2024)

### III. Corrective Maintenance Work Order *Ratio* for Leak Repairs vs. Equipment Repair



### IV. Corrective Maintenance Work Order *Completion* for Leak Repairs vs. Equipment Repair







### One Guam Update (through August 2024)

1. Licenses/Leases/ Property Transfer/Rights of Entry /Easements: No Updates for the following outstanding items
  - a. TMW/AG-1/Tarague Water Line
  - b. Murray Road/Schoeffel Heights Easement/Right of Access
  - c. Transfer of ACEORP
  - d. Andersen Water Line – AG-1 to Route 9
  - e. GWA WW Collection System Easement at Marbo/Skaggs
2. Other Requests: No updates for the following outstanding items
  - a. GWA Request for Easement - Pressure Zone Realignment: General was briefed on the issues
  - b. GWA Request for Support Letter - DCIP (Defense Community Infrastructure Program) Support Letter
3. Utilities Service Agreement:
  - a. Negotiations still on-going
  - b. GWA has paused given recent Navy water rate issue
4. PFAS Study – SAFF Technology
  - a. Navy will be starting the pilot study. The pilot will last 45 days.
  - b. GWA and Navy are discussing potential intertie for PFAS treatment along the fence line at Naval Hospital area.
  - c. There are still other issues to resolve include the waste stream and disposal.





## One Guam Update (through August 2024)

### 5. Other Issues

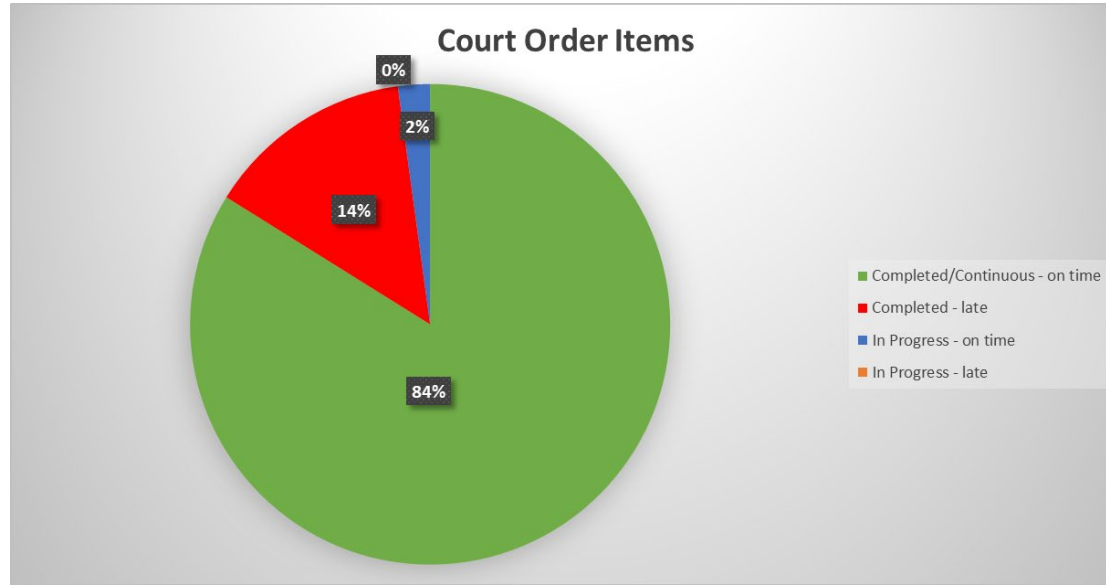
- a. GPA Interest in Water to Navy Meter at Power Substation across Micronesia Mall
  - i. Approval granted;
  - ii. Connection pending GWA's action; need to contact DZSP to open the valve. GWA backflow was installed.
- b. Modeling
  - i. Andersen Interties / Multiple Systems One-Guam Water Model
  - ii. Working through an IDIQ (Indefinite Delivery Indefinite Quality) contract
  - iii. Navy funding appears to have been approved. Now working with Navy Contracting to award.
- c. AWIA (American Water Infrastructure Act)/WARN (Water and Wastewater Agency Response Network) Working Group
  - i. GWA gave sample MOU to Navy.
  - ii. Navy will make modifications before sending to their Legal Counsel
- d. Operator certification
  - i. Discrepancy between passing levels for advance certification levels between Guam and CNMI
  - ii. GWA to discuss with GEPA





**GUAM WATERWORKS AUTHORITY**

Court Order Summary (through August 2024 – no changes)



**Court Order Summary**

	Court Order Items	%	Performance % Completed	Performance (on-time or completed)
Completed/Continuous - on time	78	84%	97.8%	100.0%
Completed - late	13	14%		
In Progress - on time	2	2%		
In Progress - late	0	0%		
<b>Totals</b>	<b>93</b>	<b>100%</b>		





### Court Order – Status Information (August 2024)

- 1464805 August 2, 2024, Route 16, Barrigada, Hydraulic Capacity
- 1464890 August 3, 2024, Windward Hills Pump Station, Santa Rita, Pump Station Failure
- 1465071 August 5, 2024, Mamajanao Sewer Pump Station, Tamuning, Pump Station Failure
- 1465168 August 5, 2024, 669 Old Agat, Agat, Pump Station Failure
- 1466606 August 12, 2024, Pas Street, Tamuning, FOG





**GUAM WATERWORKS AUTHORITY**

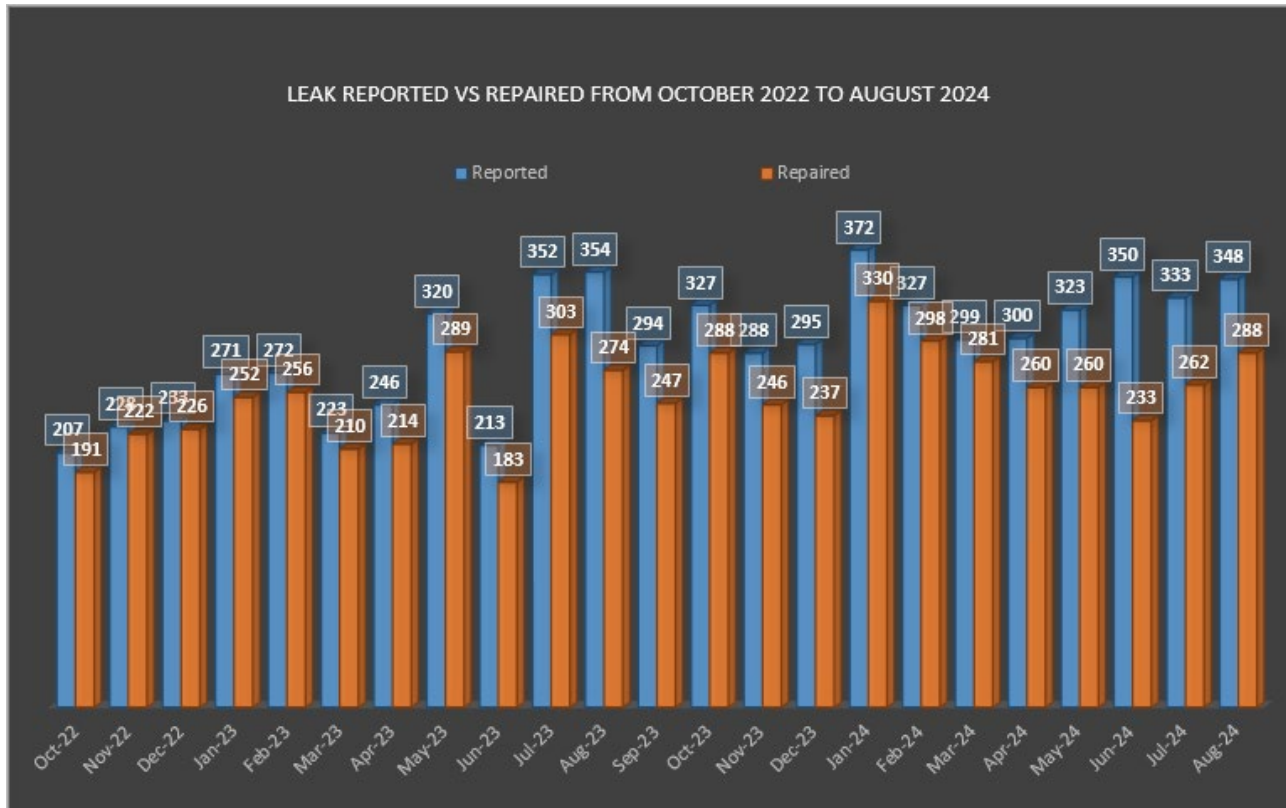
Land Acquisition Summary (through August 2024)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo-L10164	Gov't - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021 – Follow up status sent to DLM 10/06/2021; 11/03/2021; 01/27/2022; 03/04/2022; 05/12/2022; 07/07/2022;09/12/2022; 12/27/2022; DLM response 07/11/2023 have not been able to meet with Assignment AG for LR proceedings. Land Agent has followed up and emailed multiple times with Margarita at DLM on meeting with DLM attorney on status of Land Registration proceedings 10/02/2023. This process is crucial for GWA to acquire property for GWA reservoir. 02/01/2024: Follow up sent to Margarita at DLM; 02/09/2024: Response from Margarita at DLM- Because it has almost been 4 years since we requested the assistance of the AG to initiate the Land Registration, I would recommend that a formal letter from GWA requesting the urgency of the registration and indicate the reasoning behind it. This would support our request for immediate processing with the AG.
	Piti-L259	Private/Federal	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 forms. Waiting for permission from NPS to access the lot and perform the Archeological survey.
	Ugum River Intake/Booster Pump Station	Private	When the UGUM Water treatment plant was built in 1990, no land reservations for the area by the booster pump station, the Ugum river intake and access road. Land Agent currently researching the area under Lot 292, owned by the Aguon Family. GWA would need to secure a Grant of Easement for the access road and booster pump facility along the river intake. 12/19/2023: GWA coordinating with DCA for survey services to perform a boundary retracement survey of the subject lot to establish the limits of the survey; as-built existing facilities, structures, and road, to obtain + 2,376 square meters for the parcel and create the easement for GWA reservation. 03/06/2024: DCA field survey work begins.
Deep Wells	AG-12-L10154-4	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Manhita Farms for signature 05/24/18. 2 <sup>nd</sup> follow up sent on 04/10/19; 08/03/2021. ROE Agreement information sent to GWA legal counsel for further review and processing 01/28/2022; 08/11/2023 –GM signed and submitted to DCA for final review and processing at DLM; 09/26/2023-Submitted to DCA for final map processing; 03/2024: Re-submitted survey map to DLM last week to change the new acting CLTC Administrative Director.
Booster Pump Station	Agfayan-T3734 B19 L28	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19. Letter of Decision received by CLTC 06/09/2021. CLTC has responded for in-kind service letter 10/08/2021. 1 <sup>st</sup> appraisal report submitted to GWA 05/11/2022. 2 <sup>nd</sup> appraisal submittal to GWA 09/20/2022. Appraisal report sent to GM/legal counsel for review, approval and response 09/22/2022. Garrett stated updated appraisal report cost is \$2500 each. Funding needs to be requested 10/02/2023.
Asan Springs	Asan-L501	Federal	<ul style="list-style-type: none"> <li>Revised Environmental Assessment report with NPS for review. 1/25/24</li> <li>09/18/2023: The Office of Congressman Moylan has offered assistance to work with the NPS in completing the EA and Finding of No Significant Impact (FONSI) along with the Right of Way agreement to GWA, the EA is a prerequisite of the ROE agreement.</li> </ul>
Adacao Sewer PS	T293 L19 Mangilao	Private	<ul style="list-style-type: none"> <li>May 2, 2023: Right of Entry request sent to owners of properties for potential pump station sites</li> <li>May 15, 2023 – August 30, 2023: Right of Entry letters received by owners. Received responses from owners of Lot 19 Tract 293 (Natividad Trust &amp; BME) and Lot 14-R2 Tract 293 (Angelita Sison). No response from Angelita after initial contact.</li> <li>September 15, 2023: DCA met with Natividad Trust &amp; BME to discuss pump station on L19 T293</li> <li>September 25, 2023: Right of entry for Natividad Trust &amp; BME L19 T293 signed by GM</li> <li>January 26, 2024: DCA met with Natividad Trust &amp; BME to progress with appraisal</li> <li>January 30, 2024: Appraisal conducted on L19 T293</li> <li>March 13, 2024: Appraisal received</li> <li>May 3, 2024: Received Ownership and Encumbrance Report on L19 T293</li> <li>May 15, 2024: Letters of Decision sent to property owners of T293 L19</li> <li>June 03, 2024: Followed up on LOD, no response yet from property owners</li> <li>June 18, 2024: property owner responds with willing to sell</li> <li>June 20, 2024: GWA sends offer letter</li> <li>June 20, 2024: property owner responds with counter offer</li> <li>June 25, 2024: GWA sends revised offer letter</li> <li>June 26, 2024: property owner accepts GWA's revised offer</li> <li>June 26, 2024: land agent to draft land purchase and sale agreement (LPSA) for review</li> <li>July 24, 2024: GWA signed LPSA was dropped off to property owner for signature</li> <li>July 25, 2024: Acknowledgment and Acceptance of Escrow</li> </ul>





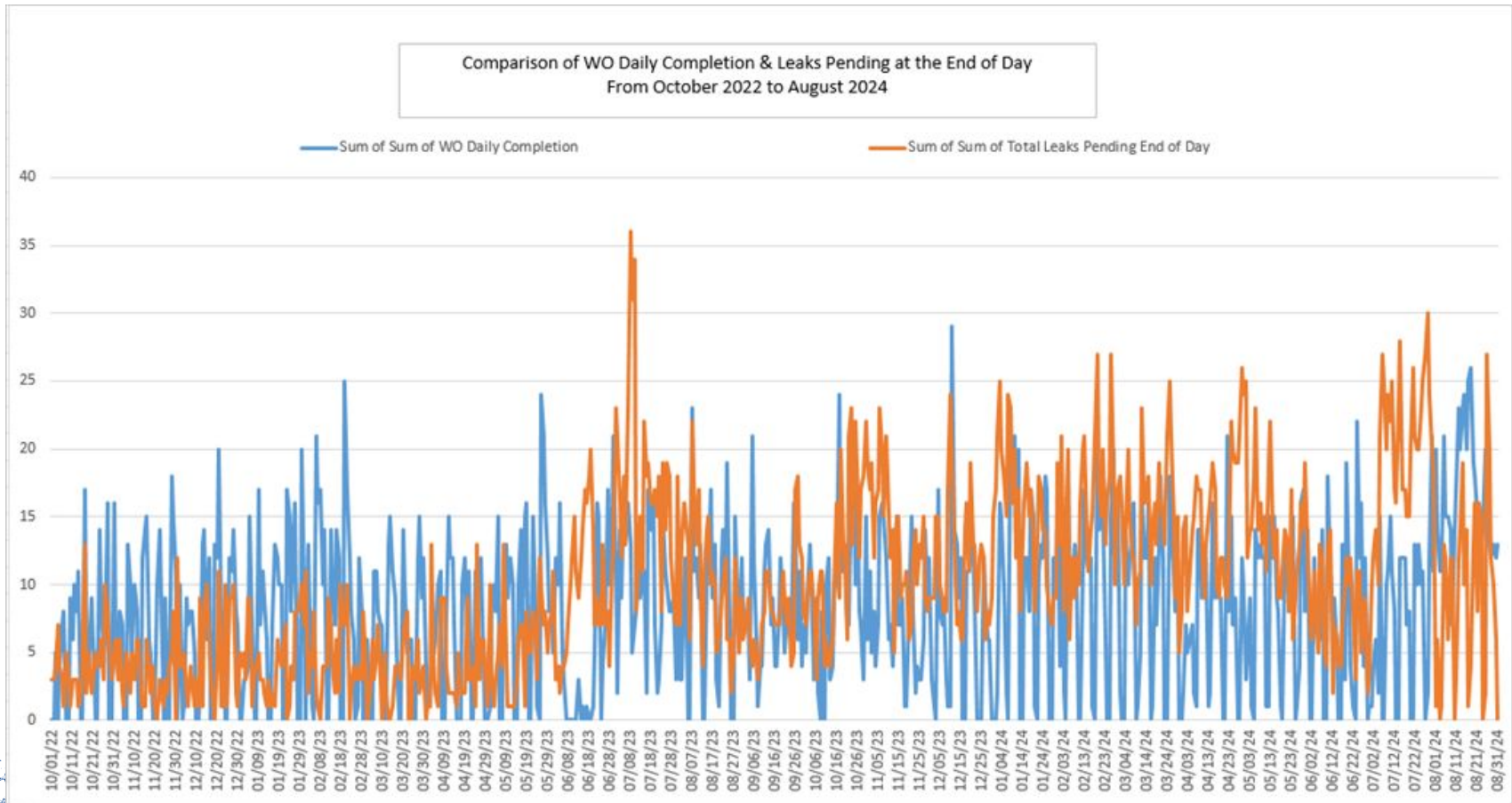
### Comparison of Leaks Reported vs. Leaks Repaired (through August 2024)





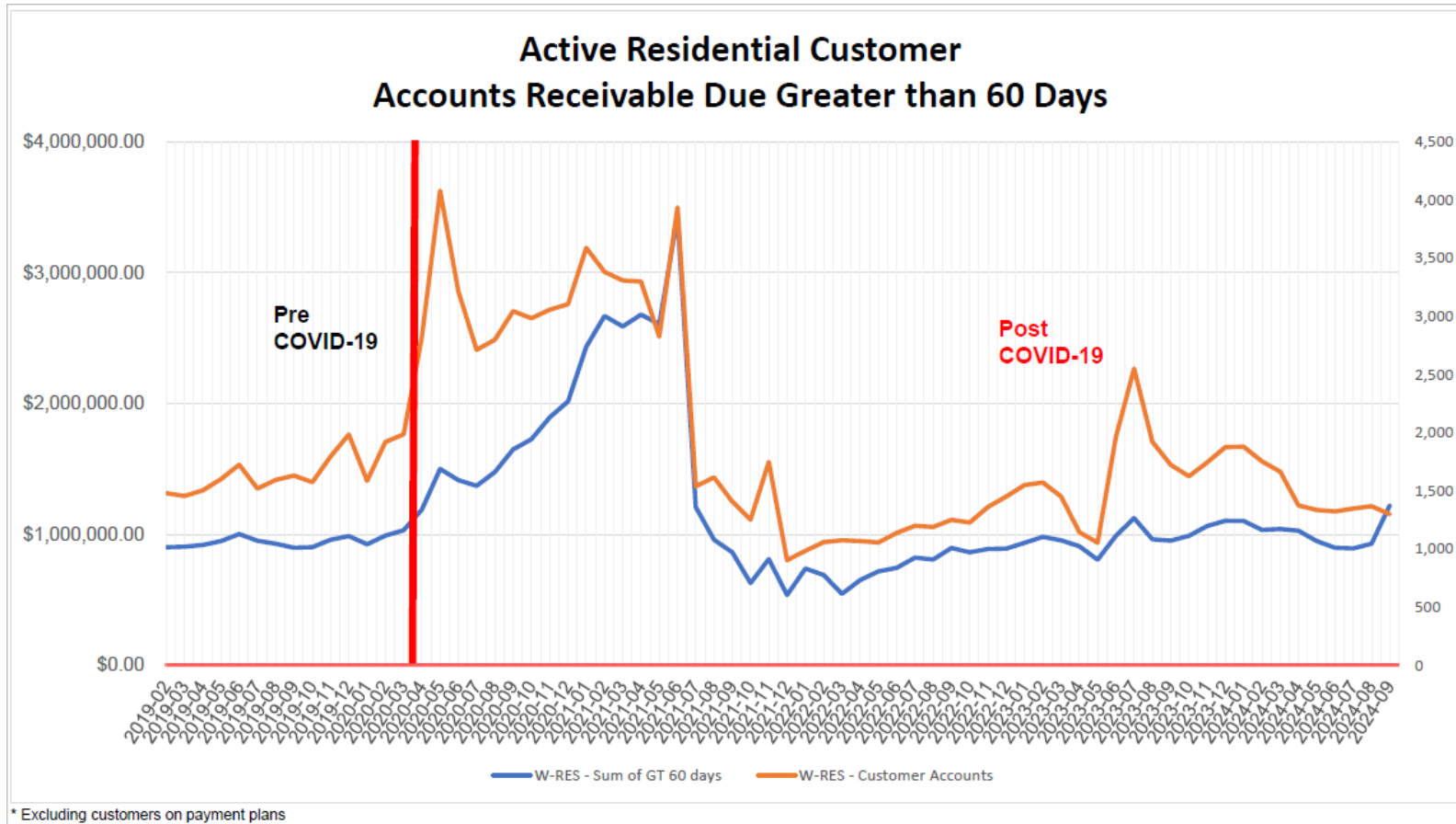
### GUAM WATERWORKS AUTHORITY

#### Daily Leak Repairs (through August 2024)





Accounts Receivables – Active Residential Customers (through August 2024)

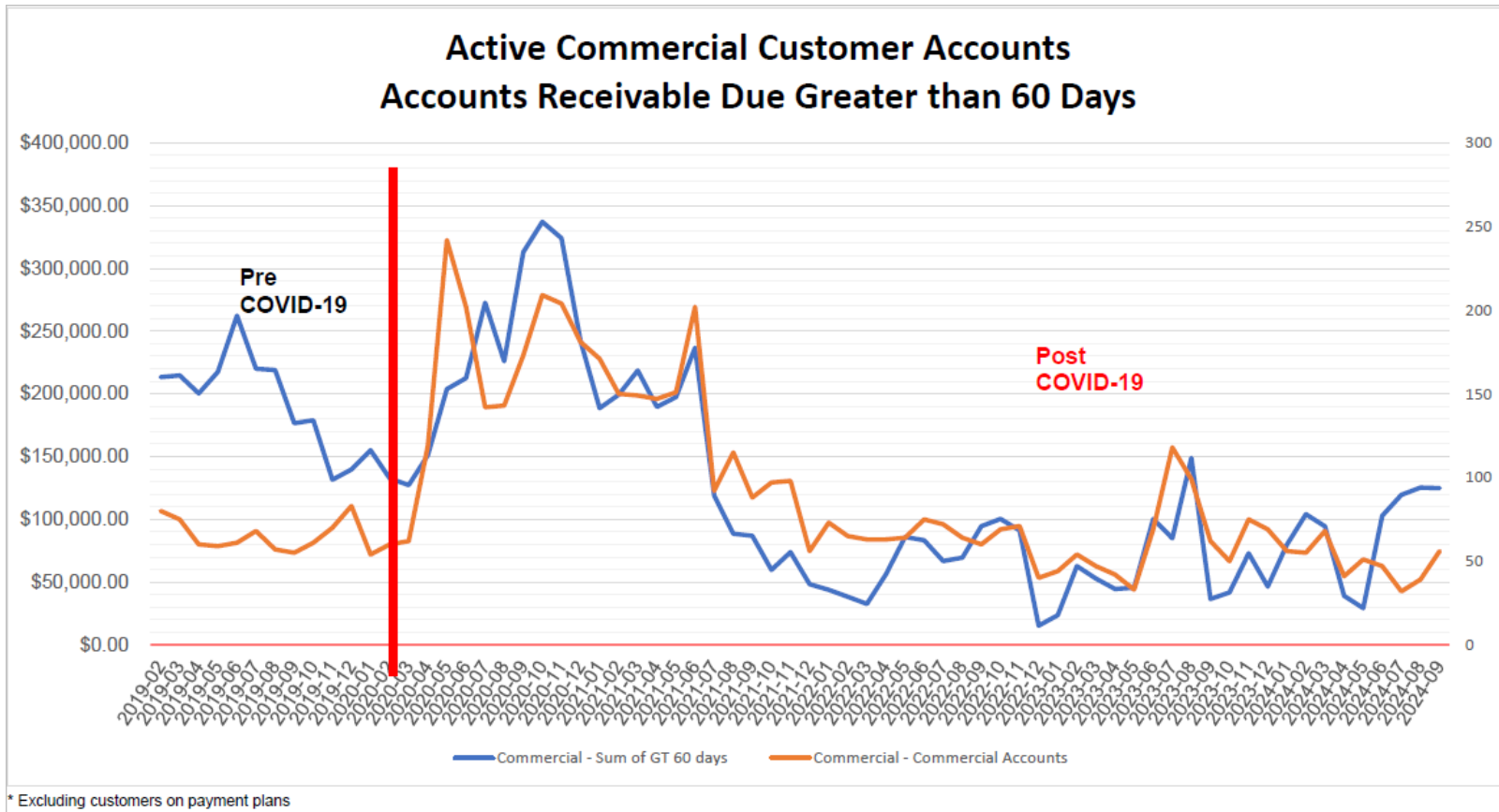






**GUAM WATERWORKS AUTHORITY**

Accounts Receivables – Active Commercial Customers (through August 2024)





**GUAM WATERWORKS AUTHORITY**

### Highlights of Customer Care Section Operations (August 2024)

- The average wait time for all 3 locations for the month of August 2024 is 3 minutes which compares similarly to July 2024 @ 3.4 minutes.
- The number one reason for visit to each GPWA location for the month of August 2024 is:
  - Fadian office – Apply for water
  - Julale office – Bill Dispute
  - Upper Tumon – General Questions/Other
- The total number of Facebook visits in August 2024 is 5,200 as compared to July 2024 @ 6,591 visits.
- Instagram profile visits for August 2024 is 303, down slightly from July 2024 @ 347.
- August 2024 average number of active pay plans is 409 which compares similarly to July 2024 @ 404.
- 669 total emails were received and replied to in August 2024 down from July 2024 @ 798 total emails.
- The Meter Reading Unit reported a successful electronic read percentage average of 93.16% down from 95.3% in July 2024. The decrease continues to be the result of depleted endpoint battery life.
- 12% of GWA active meters recorded ongoing leakages for the month of August 2024 as compared to 11.9% in July 2024.





**GUAM WATERWORKS AUTHORITY**

## Highlights of Customer Care Section Operations (August 2024)

- GWA Call Center implemented an automated call handling program early August 2024 resulting in improved efficiencies and better service for our ratepayers. Now, when ratepayers call the 647-7800 or 647-7803 numbers, the ratepayer is offered several options such as:
  - Pressing 1 for Customer Service – Call is directed to the GWA Customer Care Representative
  - Pressing 2 for Pay by phone cashier for pay by phone transactions and the automated 24/7 pay by phone system during non-business hours.
  - Pressing 3 for 24 hours Emergency Dispatch
  - Pressing 4 for balance confirmation only – Call is forwarded to an automated balance inquiry system that provides account balance 24/7 only
  - Pressing 5 for general information and hours of operations – Call is answered with hours or operations, locations, etc.

The call handling program helps customers more quickly contact the sections needed and get the information and services needed. The weekly average of phone calls received by Customer Service Call Center for the month of August 2024 is 1,048 as compared to 1,811 average calls per week in July 2024. The initial assessment of the reconfigured call routing tree is that the handling of incoming calls appears to be more efficient due the reductions of calls routing to the GWA call center.





# GWA Financial Overview

---

AUGUST 2024





## Key Financial Indicators

Indicator	Target	Jun-24	Jul-24	Aug-24
DSC YTD				
· Per Section 6.12 of Indenture	1.25	1.39	1.36	1.35
· Per PUC / CCU	1.30	1.39	1.36	1.35
Days – Cash on Hand	120 days	286 days	266 days	250 days
Collection Ratio				
· Month to Date	99%	90%	104%	86%
· Year to Date	99%	90%	92%	91%
Days Billed	30 days	30 days	30 days	30 days
Account Receivable Days	30 days	42 days	41 days	43 days
Account Payable Days	45 days	32 days	35 days	32 days
Employee Count	400 FTE	351 FTE	347 FTE	343 FTE
Water Demand				
· Month to Date	451,933	429,506	411,884	446,373
· Year to Date	4,971,266	3,855,809	4,267,693	4,714,066
Wastewater Flow				
· Month to Date	317,500	337,832	302,155	340,784
· Year to Date	3,492,500	2,859,501	3,161,656	3,502,440
Operations & Maintenance Expense*	\$6,567,186	\$7,377,868	\$7,241,908	\$7,736,544
Water Customers	43,978	43,667	43,713	43,650
Wastewater Customers	30,781	31,111	31,119	31,058

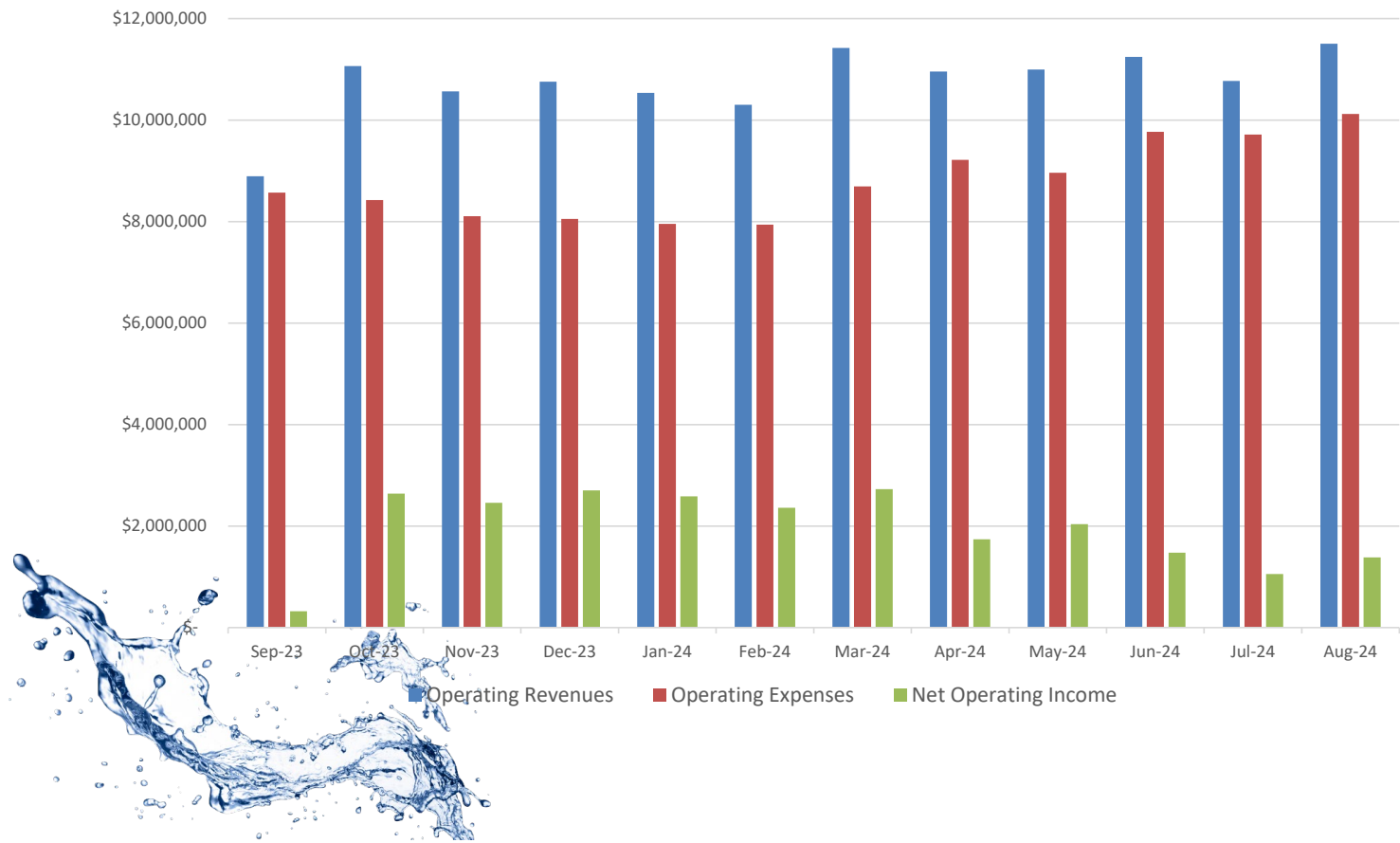
\*Excludes depreciation

\*\*Includes SDC Revenue and Collection



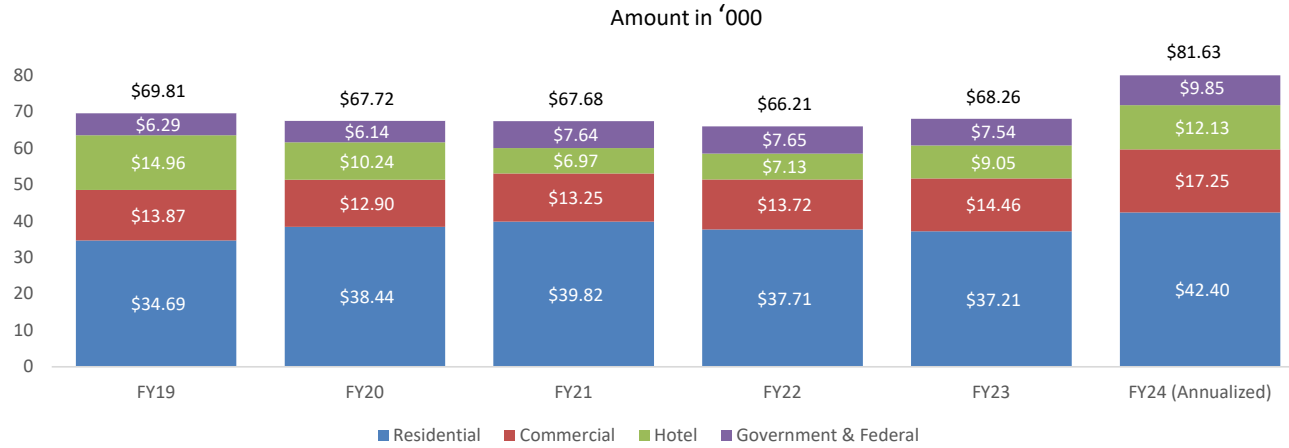
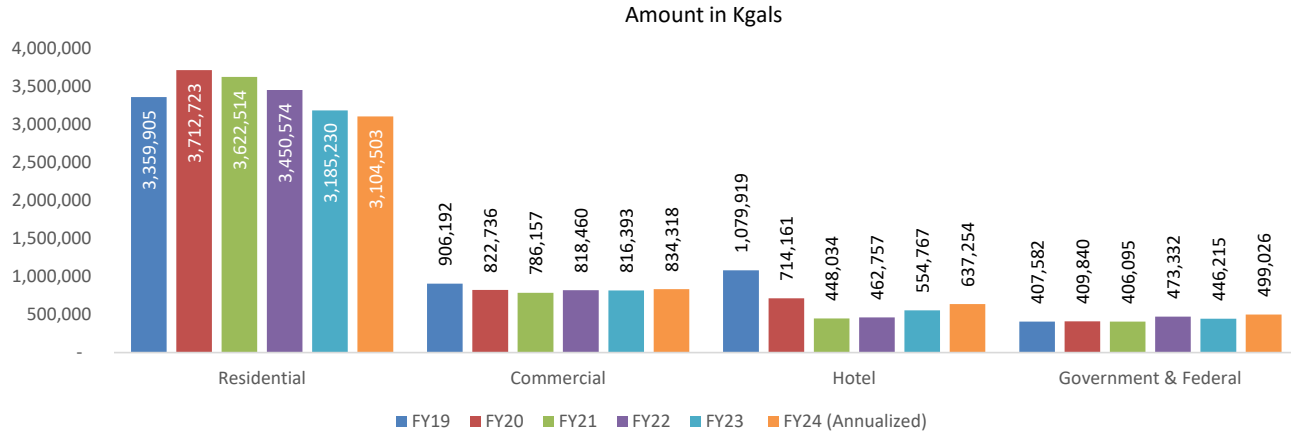


## Income Statement



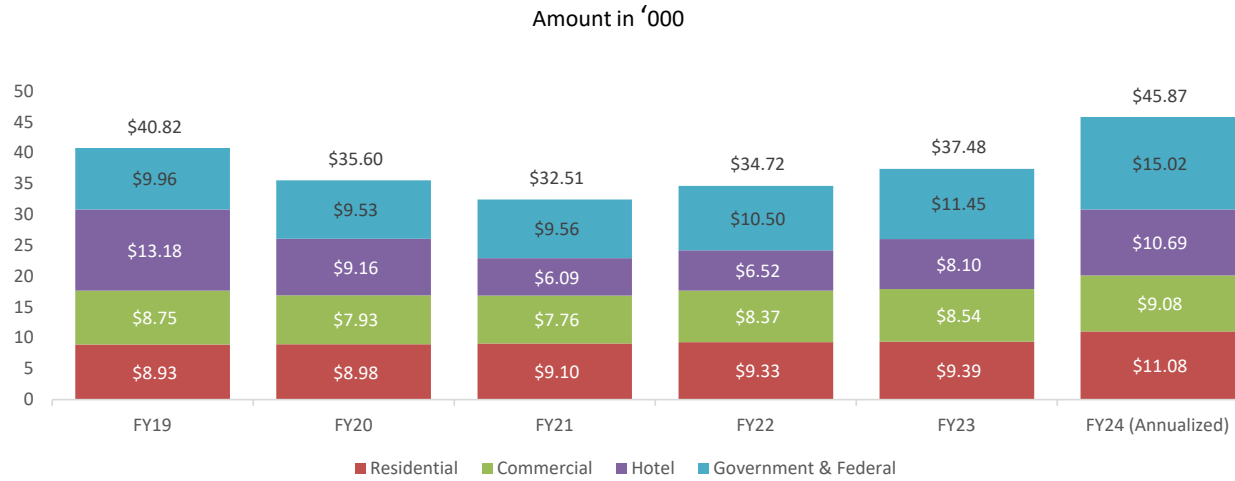
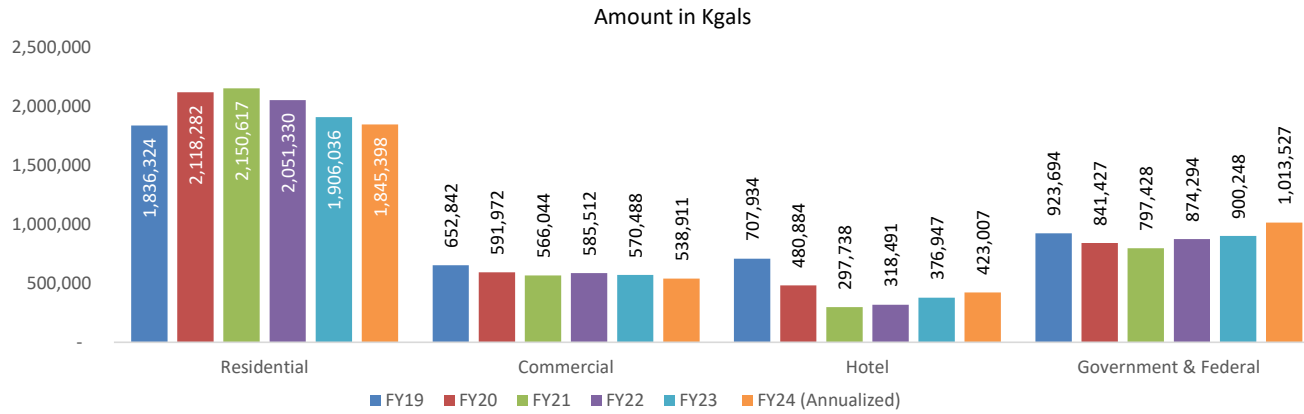


## Annual Water Demand and Revenues by Rate Class





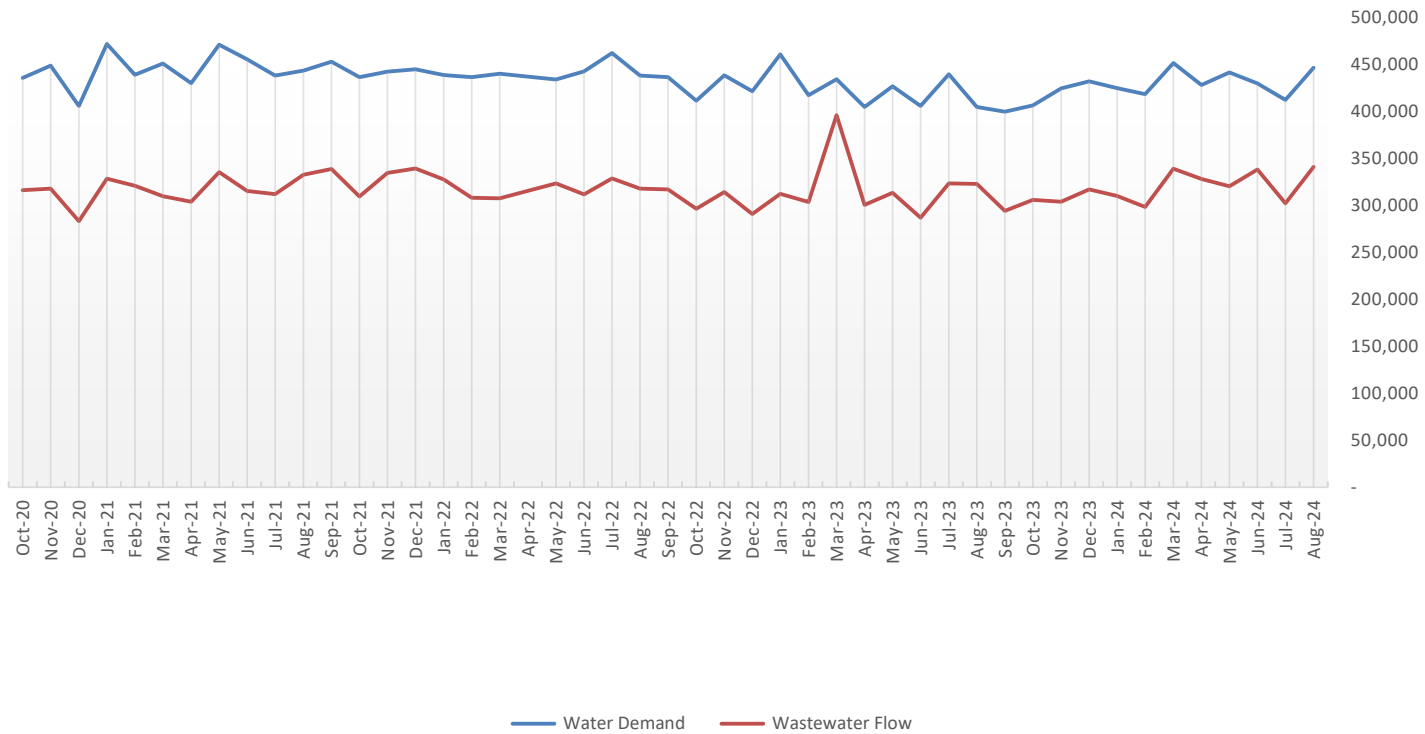
## Annual Wastewater Billable Flows and Revenues by Rate Class







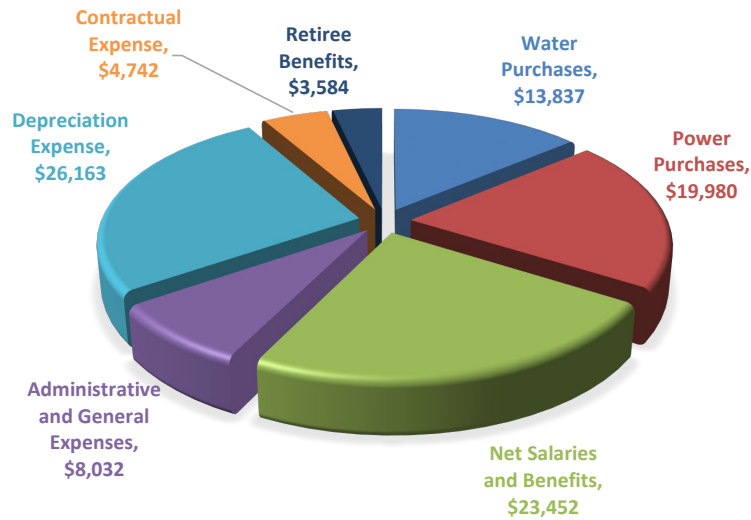
## Water Demand & Wastewater Flow – 4 Years



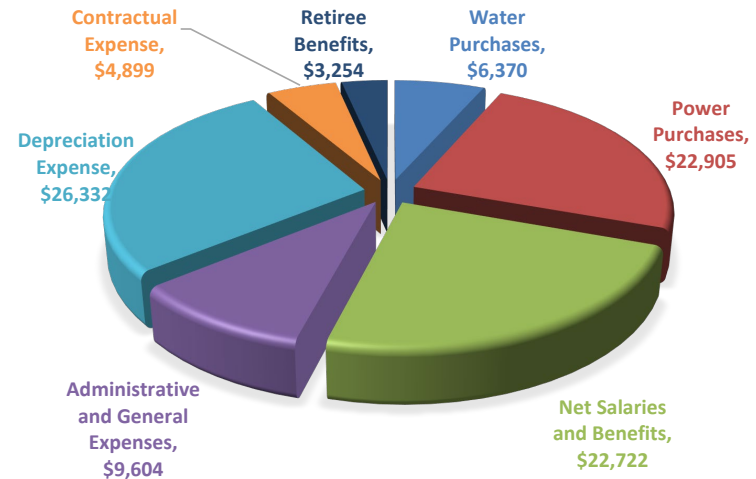


## AUG YTD Expenses by Categories

FY2024 (in '000)



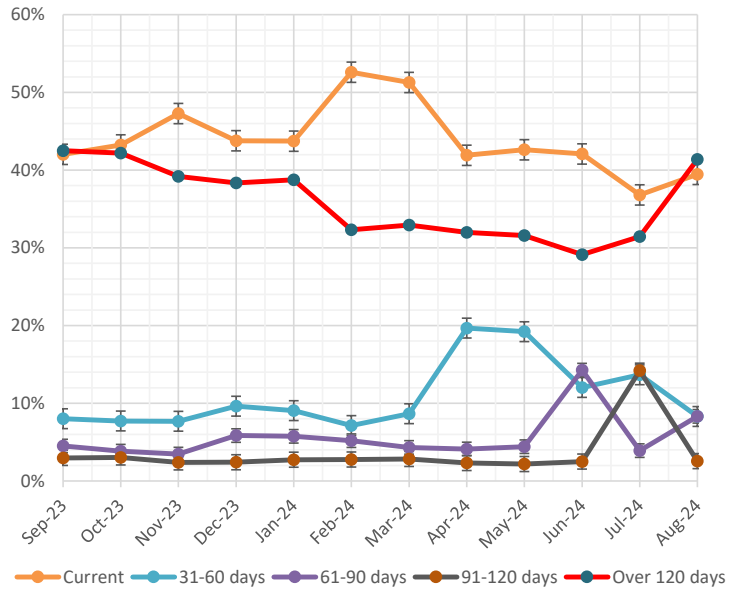
FY2023 (in '000)



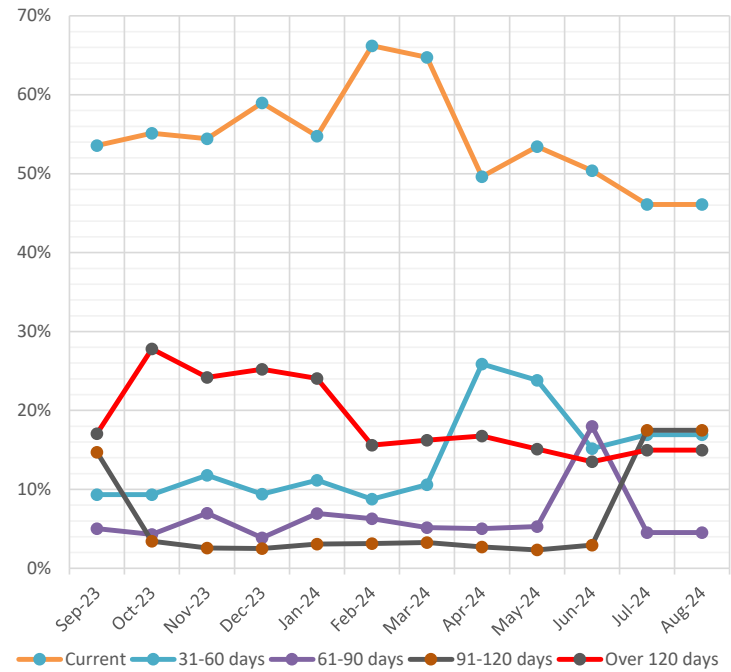


## Overall – AR Aging

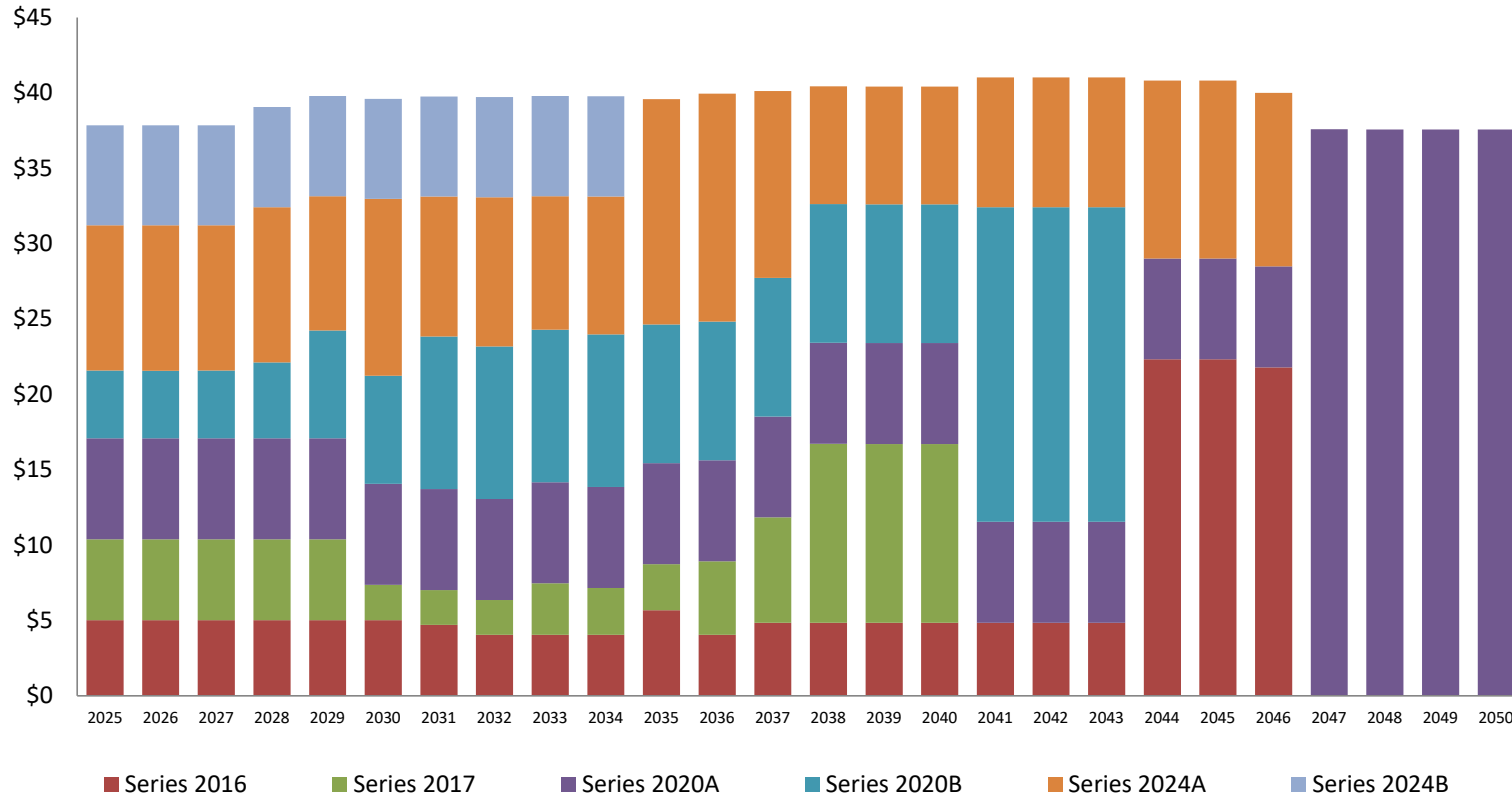
% of Aged AR Balance to Total AR Balance



% of Aged AR Balance to Total AR Balance (without Inactive Accounts)



## GWA Debt Service After Series 2024A&B Issuance (\$mm) (Fiscal Year 9/30)



GWA Utility Services Division  
 Monthly Status Report  
 Month ending AUG 2024

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	AUG 2024 MONTHLY TOTAL	WEEKLY AVERAGE AUG 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY	JUL 2024
	08/10/24	08/17/24	08/24/24	08/31/24			AVERAGE JUL 2024	MONTHLY TOTAL
<b>Collections Activities:</b>								
I. Number of accounts cut for nonpayment:	63	91	104	48	306	77	82	379
II. Number of accounts restored for nonpayment:	64	71	89	39	263	66	65	311
III. Number of No water reports responded to:	3	1	3	1	8	2	0	3
IV. Number of Secure/Unsecure valve reports responded to:	2	2	3	9	16	4	3	16
V. Number of Verify reads responded to:	13	13	10	9	45	11	16	71
VI. Number of new pay plans negotiated for active accounts:	112	107	121	74	414	104	104	503
VII. Number of active pay plans negotiated and ongoing:	385	414	437	401		409	404	
VIII. Number of inactive accounts with a payment arrangement:	20	20	20	20		20	20	
IX. Number of broken payment plans:	50	34	57	50	191	48	60	306
<b>Customer Service Activities (lobby visits):</b>								
<b>A. GBN Public Service Building – Fadian</b>								
i. Total Customers Assisted:	178	197	172	180	727	182	173	867
ii. Total Abandoned Requests:	2	4	8	5	19	5	4	16
iii. Average Wait Time:	2 minutes	3 minutes	2 minutes	4 minutes		2.75 minutes	3.6 minutes	
iv. Average Service Time:	13 minutes	13 minutes	13 minutes	14 minutes		13.25 minutes	14.6 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	52	50	52	71	225	56	56	284
2. Restore water cut for non payment:	17	23	10	6	56	14	11	59
3. Terminate Water:	8	4	8	12	32	8	12	66
4. Copy of Bill:	43	66	53	38	200	50	36	195
5. Billing Dispute:	33	37	28	33	131	33	33	176
6. Billing Dispute follow up:	0	1	2	2	5	1	2	8
7. General Questions & Other:	44	43	48	68	203	51	35	190
8. Report a water leak:	0	1	0	0	1	0	1	3
9. Report water theft:	0	0	0	0	0	0	0	0
10. Payment Arrangement:	21	27	20	21	89	22	17	84
<b>B. Julale Satellite Office – Hagatna</b>								
i. Total Customers Assisted:	236	179	165	202	782	196	201	978
ii. Total Abandoned Requests:	1	3	2	8	14	4	5	22
iii. Average Wait Time:	2 minutes	1 minutes	2 minutes	4 minutes		2.25 minutes	2.2 minutes	
iv. Average Service Time:	7 minutes	8 minutes	8 minutes	11 minutes		8.5 minutes	8.8 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	51	36	38	54	179	45	52	253
2. Restore water cut for non payment:	18	10	9	6	43	11	12	55
3. Terminate Water:	15	4	8	19	46	12	17	86
4. Copy of Bill:	36	35	45	51	167	42	45	211
5. Billing Dispute:	77	73	50	55	255	64	78	372
6. Billing Dispute follow up:	0	0	0	2	2	1	1	4
7. General Questions & Other:	33	21	20	25	99	25	23	114
8. Report a water leak:	1	0	0	0	1	0	2	9
9. Report water theft:	1	0	0	0	1	0	0	0
10. Payment Arrangement:	18	19	16	23	76	19	17	82
<b>C. Upper Tumon Satellite Office – Upper Tumon</b>								
i. Total Customers Assisted:	265	251	285	257	1058	265	277	1362
ii. Total Abandoned Requests:	4	4	4	8	20	5	7	34
iii. Average Wait Time:	3 minutes	3 minutes	3 minutes	4 minutes		3.25 minutes	4.4 minutes	
iv. Average Service Time:	12 minutes	12 minutes	14 minutes	14 minutes		13 minutes	12.2 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	85	65	60	85	295	74	71	357
2. Restore water cut for non payment:	22	14	47	9	92	23	25	108
3. Terminate Water:	22	19	20	40	101	25	29	141
4. Copy of Bill:	34	40	26	21	121	30	42	198
5. Billing Dispute:	57	69	70	53	249	62	57	287
6. Billing Dispute follow up:	3	2	1	1	7	2	3	10
7. General Questions & Other:	37	31	49	46	163	41	46	242
8. Report a water leak:	0	1	2	0	3	1	1	3
9. Report water theft:	0	0	0	0	0	0	0	0
10. Payment Arrangement:	39	42	58	35	174	44	39	183

GWA Utility Services Division  
 Monthly Status Report  
 Month ending AUG 2024

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	AUG 2024	WEEKLY	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:	MONTHLY	AVERAGE AUG	WEEKLY	JUL 2024
	08/10/24	08/17/24	08/24/24	08/31/24	TOTAL	2024	AVERAGE JUL	MONTHLY
							2024	TOTAL

Customer Service Activities (Electronic):								
i. Emails Received:								
1. customers@guamwaterworks.org:								
	202	186	129	136	653	163	157	779
Request type (email):								
a. Apply for water:	36	25	23	35	119	30	30	150
b. Terminate Water:	11	16	8	17	52	13	12	67
c. Copy of Bill:	3	4	1	4	12	3	6	29
d. Billing Dispute & follow up:	8	10	5	6	29	7	8	30
e. General Questions & Other:	109	106	63	63	341	85	77	363
f. Report a water leak:	5	6	6	1	18	5	4	22
g. Report water theft:	0	0	0	0	0	0	0	1
h. Online services inquiry:	25	16	20	5	66	17	17	98
2. gwaservicesme@guamwaterworks.org (realtors/prop mgrs):								
	5	3	3	5	16	4	4	19
ii. Emails Replied (both):								
	156	159	118	134	567	142	147	754
iii. Online Portal:								
Request type (online portal):								
a. Start Service:	3	6	5	4	18	5	3	14
b. Stop Service:	0	1	1	4	6	2	2	13
c. Payment Plan:	11	11	8	14	44	11	9	40
d. Customer Information Updates:	1	0	0	0	1	0	1	2
e. Service Investigations:	0	0	1	3	4	1	1	7
f. Account Inquiries:	6	3	4	4	17	4	5	25
g. Technical Support:	1	0	0	1	2	1	1	5
h. Outages & Emergencies:	1	0	0	0	1	0	0	0

Call Center Activities:								
i. Calls Received:								
	1013	927	1308	943	4191	1048	1811	8532
ii. Calls Immediately Answered:								
	381	289	228	257	1155	289	403	1933
iii. Calls Abandoned:								
	54	25	40	19	138	35	93	437
iv. Calls Handled by Voice mail:								
	575	611	1009	642	2837	709	1284	5991
v. Average duration of call:								
	3 minutes	4 minutes	4 minutes	4 minutes		2.85 minutes	1.64 minutes	
vi. Breakdown by request type:								
1. Apply/Terminate info:	55	46	20	35	156	39	43	211
2. Automated Telephone Call:	30	32	46	17	125	31	38	158
3. Balance Inquiry:	67	69	51	38	225	56	64	318
4. Call Back:	37	6	25	13	81	20	136	587
5. Dispatch:	13	14	10	4	41	10	11	63
6. Dispute:	4	5	4	1	14	4	8	46
7. Follow-up:	7	8	12	6	33	8	10	43
8. General Questions & Other:	131	74	64	46	315	79	128	593
9. Route Calls to GWA Staff:	30	58	53	37	178	45	12	58
10. No Water:	21	5	1	6	33	8	13	58
11. Online/Phone App Help:	36	19	25	10	90	23	31	163
12. Pay by Phone:	30	14	10	7	61	15	56	282
13. Pay Plan:	59	71	48	45	223	56	44	211
14. Restore Non-payment:	16	18	21	17	72	18	27	134
15. Secure/Unsecure Valve:	9	15	16	7	47	12	7	34
16. Voice Mail:	96	163	276	189	724	181	151	712
17. Water leak:	4	2	3	5	14	4	3	13
vii. Social media responses:								
GWA Facebook Messenger:	3	2	2	0	7	2	0	2
GWA Facebook Responsive Rate:	100%	80%	100%	100%		95%	20%	
Total number of Facebook visits:	1100	1600	1200	1300	5200	1300	1450	6591
Total number of Instagram profile visits:	73	63	108	59	303	81	76	347

Bill Dispute & Resolution Activities:								
i. Dispute Resolution:								
1. Number of disputed accounts resolved:								
	3	20	20	12	55	17	8	34
2. Number of disputed accounts under review:								
	804	812	817	823		817	843	

Data Entry of Completed Field work in CIS:								
i. Document Control:								
1. Number of field activities posted:								
	12	25	17	48	102	26	55	227
2. Number of field activities pending:								
	0	0	0	0	0	0	0	0

GWA Utility Services Division  
 Monthly Status Report  
 Month ending AUG 2024

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	AUG 2024 MONTHLY TOTAL	WEEKLY AVERAGE AUG 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY AVERAGE JUL 2024	JUL 2024 MONTHLY TOTAL
	08/10/24	08/17/24	08/24/24	08/31/24				

Field Response Activities:								
I. Number of field activities assigned:	249	198	200	244	891	223	235	1200
II. Number of field activities completed:	260	174	191	201	826	207	233	1213
III. Number of field activities pending field action:	12	13	3	13		10	18	

Meter Reading Activities:								
I. Number of meters read:								
A. Electronically Read Meters:	7893	15716	8748	3798	36155	9039	8581	40613
B. Manually Read Meters:	797	959	552	265	2573	643	556	2728
i. Unread meters (Meters scheduled but not read):	2	2	5	2	11	3	4	20
ii. Number of data logs received:	36	32	40	47	155	39	31	153
iii. Number of data logs retrieved:	37	15	52	63	167	42	34	164
iv. Number of data logs pending field action:	0	0	0	0	0	0	0	0
v. Communication Errors/Reprogramming requests:	4	1	11	8	24	6	5	23
vi. Number of estimated readings (for the week):	4	2	3	1	10	3	1	8
vii. Reasons for Estimations:								
1. Cant locate meter:	0	0	0	0	0	0	0	0
2. Temporary Obstruction:	1	1	0	0	2	1	0	0
3. Vicious Dog:	0	0	0	0	0	0	0	0
4. Flooded meter:	0	0	1	0	1	0	1	5
5. Corrective action to database requested:	3	1	2	1	7	2	1	3
6. Possible changed out meter:	0	0	0	0	0	0	0	0
7. Communication/Programming error (code 92's):	0	0	0	0	0	0	0	0
8. Other:	0	0	0	0	0	0	0	0
a. Leaks detected on customer's	993	2088	1177	411	4669	1167	1128	5193
b. Reverse Flow Detected:	93	365	389	70	917	229	362	1765
c. No Usage Detected:	306	526	397	207	1436	359	342	1648
d. Tamper Code:	9	14	5	5	33	8	9	39
C. Electronic Read Percentage:	90.83%	94.25%	94.06%	93.48%		93.16%	95.30%	

Illegal Connection & Unauthorized Use of Water Activities:								
I. Number of Inactive Still Consuming Reports rec'd & investigated:	1	11	1	0	13	3	2	7
II. Number of Illegal Connection reports rec'd & investigated:	1	0	0	0	1	0	2	7

Process for notifying customers with leak alert or high consumption:  
 -->If a customer registers 24 hours of continuous water usage within 7 days or their meter read then a leak alert is generated.  
 -->If a customer has a 50% increase in water usage compared to the previous months total volume of water consumed then a high consumption alert is generated.

If an alert is generated for a customer then an SMS, E-mail and automated phone call is sent to customers with valid mobile, land line number and E-mail address.  
 If the customer does not have a valid mobile, land line number or E-mail address then a letter is generated and sent to the billing address.

Customer Leaks and High Usage Alert Notifications:								
High Use Alert Only Total:	671	1357	1153	655	3836	767	753	3767
SMS	149	308	270	154	881	220	177	885
EMAIL	151	297	254	144	846	212	165	823
DIALER	184	375	314	178	1051	263	205	1026
LETTER	187	377	315	179	1058	265	207	1033
Leak Alerts Only Total:	1900	4209	3555	1932	11596	2899	2670	11414
SMS	576	1348	1116	598	3638	910	718	3588
EMAIL	588	1248	1064	590	3490	873	680	3398
DIALER	729	1606	1368	741	4444	1111	881	4404
LETTER	7	7	7	3	24	6	5	24
Leak & High Use Alerts Only Total:	365	744	683	319	2111	528	529	2204
SMS	84	168	159	70	481	120	101	506
EMAIL	79	162	150	71	462	116	96	478
DIALER	100	205	187	89	581	145	122	608
LETTER	102	209	187	89	587	147	122	612

2011 Court Order Performance Report Card/Dashboard as of 08/30/2024



# GUAM WATERWORKS AUTHORITY

## Court Order Performance Report Card

	Items	On-time Items Completed/Continuous	Items Delayed	Completed Late	Items on Schedule	Performance % Completed	Performance % Compliance
<b>Court order total</b>	<b>93</b>	<b>78</b>	<b>0</b>	<b>13</b>	<b>2</b>	<b>97.8</b>	<b>100%</b>

Legend in detail section below.

Fill Color	Meaning
Lime green	Done/Completed
Yellow	On Schedule
Blue	Behind Schedule
Violet	Completed Behind Schedule
Yellow Green	Ongoing and Continuous Counted under Completed



2011 Court Order Performance Report Card/Dashboard as of 08/30/2024

Name	SO #	No	Project	GWA CO Timeline as extended	Due to EPA	Status
Northern District WWTP Primary Treatment Upgrades.	2	1	Interim Primary Treatment Improvements Complete	09/30/2012	@EPA	Done Construction completed 12/13/2012.
	3(a)	2	Interim Effluent to meet Table 1	09/30/2012 monitoring started	@EPA	Done Table 1 compliance beginning January 9, 2013.
	3(a)(1)	3	PE Review (Application for 7.5 MGD pending)	3 months after compliance with 3(a)	@EPA	Done 3(a)(1) Application to increase to 7.5 MGD Approved 08/13/2017
	3(a)(2)	4	(Application for 9 MGD)	3 months after compliance with 3(a)(1)	N/A	Not considered necessary because of OEA Upgrade of NDWWTP to Secondary
	3(c)	5	Effluent monitoring (calendar-year quarter)	Completed	@EPA	Done. Full year completed 01/08/2012
	4(a)	6	Sludge & Biosolids Management Plan	12/31/2011	@EPA	Done. Biosolids to Landfill EPA Approval 08/17/2014
	4(a)	7	Adequate stabilization and dewatering	9/30/2012	@EPA	Done. By Design-Build contract.
	4(b)	8	Biosolids Management, Quarterly Report	Quarterly Report	@EPA	Ongoing Routine Monitoring Report, Repeats Quarterly
	4(c)	9	Biosolids Management, repair & replace facilities	09/30/2012	@EPA	Done Construction Complete 12/13/2012. Biosolids to Landfill
	4(d)	10	Biosolids Management, implement plan	9/30/2012	@EPA	Done - Biosolids to Landfill
Agaña WWTP Interim Measures.	5	11	Primary Treatment Plant Upgrades	06/30/2013	@EPA	Done. CEPT is operational and routine.
	5(a)	12	Scope and schedule	09/30/2011	@EPA	Done. CEPT is operational and routine.
	5(b)	13	Septage Handling Complete	06/30/2013	@EPA	Done. Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(b) 1	14	Septage handling design contract signed	12/31/2011	@EPA	Done. Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(b) 2	15	Septage handling construction notice to proceed	06/30/2012	@EPA	Done. Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(c)	16	Grit and FOG Complete	06/30/2013	@EPA	Done Phase III CEPT is in Operations.)
	5(c) 1	17	Grit and FOG design contract signed	12/31/2011	@EPA	Done Grit and FOG reported 06/06/2013.
	5(c) 2	18	Grit and FOG construction notice to proceed	06/30/2012	@EPA	Done Submitted 11/17/2011.
	5(d)	19	Repair Solids handling	11/17/2011	@EPA	Done Submitted 11/17/2011.
	5(e)	20	O & M Plan	05/31/2013	@EPA	Done O & M Plan reported 05/31/2012.
	5(f)	21	Effluent monitoring (calendar-year quarter)	Completed	@EPA	Done - Completed Full year as of 01/08/2012.
	6	22	Prevent Effluent Back Surge	06/30/2013	@EPA	Done Old outfall decommissioned (plugged) 06/25/2013.
	6	23	Effluent Back Surge Plan	12/30/2011	@EPA	Done Old outfall decommissioned (plugged) 06/25/2013
	I&I SSES	7	24	Collection System SSES and I/I evaluation	Done.	@EPA
SSES Work Plan	8	25	Work Plan	180 days	@EPA	Done Reported 08/13/2012.
	8(a)	26	Flow and rainfall data	N/A	@EPA	Done Reported 04/25/2013.
	8(b)	27	I/I Southern	540 days	@EPA	Done Reported 04/25/2013
	8(c)	28	I/I Central	900 days	@EPA	Done Reported 04/28/2014
	8(d)	29	SSES Southern	540 days	@EPA	Done Reported 04/30/2013 – update 04/29/2016
	8(e)	30	SSES Central	900 days 09/15/2015 EPA Disap. Ltr.	@EPA	Done Late – Completed June 2, 2017
	8(e) 2	31	SSES Central Report	09/15/2015 EPA Disapproval Letter	@EPA	Done Late – Completed June 2, 2017
Agat / Santa Rita,	9(a)	32	By Pass Report	60 days	@EPA	Done Reported 01/04/2012
	9(b)	33	Flow Meter	180 days	@EPA	Done Reported 07/26/2012
	9(c)1,2,3	34	Report evaluating near term measures	180 days response sent 09/29/2014	@EPA	Done Reported 05/07/2012 GWA response 09/29/2014.
	9(d)	35	Implement near term measures d - Disinfection	03/23/2016	@EPA	Done Late EPA specifications of 9(c), 9(d) and 9(f) on 09/24/2015.
	9(e)	36	Implement near term measures e – sludge mgmt.	03/23/2016	@EPA	Done Reported 03/23/2016
	9(f)	37	Implement near term measures f – 75% Bypass Red.	03/23/2016	@EPA	Done Reported 03/23/2016
	10	38	System Evaluation	12/31/2013 response sent 09/29/2014	@EPA	Done Reported 12/28/2013 GWA response 09/29/2014.- update 04/29/2016
	11	39	System Upgrades	03/14/2017 Plant became operational.	@EPA	Done Late New Agat WWTP on line 03/14/2017
	11(a)	40	System Upgrades design	06/30/2014-NTP 10/13/2014	@EPA	Done Late CCU approval 08/26/2014. NTP was issued on 10/13/2014
	11(b)	41	System Upgrades notice to proceed	06/30/2015-NTP 10/02/2015	@EPA	Done Late NTP Ph.1 issued 10/02/2015 - NTP Ph.2 due 01/04/2016
Baza Gardens	12(a)	42	Interim Measures Evaluation (Independent PE)	180 days	@EPA	Done Reported 05/07/2012. PMO task
	12(b)	43	Interim Measures Complete	540 days	@EPA	Done Reported 05/01/2013 PMO task
	12(c)	44	Evaluation Bio Solids Report	180 days	@EPA	Done-EPA Approval 08/28/2014
	12(d)	45	Complete Bio Solids	360 days	@EPA	Done Reported 03/21/2013
	13	46	System Evaluation	04/30/2014	@EPA	Done Reported 04/30/2014 GWA response 10/02/2014
	14	47	System Upgrades	04/31/2018	@EPA	Done Critical path need to complete I&I/SSES
	14(a)	48	System Upgrades, Design Starts	10/31/2015 NTP DCA 02/05/2016	@EPA	Done Late Linked to new Agat WWTP NTP DCA 02/05/2016
14(b)	49	System Upgrades Construction (started on time)	10/31/2016	@EPA	Done Late Finished 12/31/2018.	

2011 Court Order Performance Report Card/Dashboard as of 08/30/2024

Name	SO #	No	Project	GWA CO Timeline as extended	Due to EPA	Status
Umatac-Merizo	15	50	Complete Evaluation	12/31/2013	@EPA	Done Reported 12/31/2013 -- Critical path, completed I&I/SSES
	16	51	System Upgrades	12/31/2018	@EPA	Delayed by US Fish and Wildlife issues -- completed November 13, 2019
	16(a)	52	System Upgrades, Design Starts	06/30/2016	@EPA	Done Design Build contract executed 06/29/2017.
	16(b)	53	System Upgrades, Notice to Proceed	06/30/2017	@EPA	Done NTP Issued 06/30/2017
Sewer Cleaning	17	54	Sewer Cleaning (in annual and quarterly reports)	2017-2022 Goal set: Complete Every 5 years	@EPA	Ongoing -- 1st round completed -- Second cycle under way
Hot Spot Plan	18	55	Hot Spot Plan	EPA Revision letter o9/08/2015	@EPA	Done Last Revision submitted 10/23/2015 GWA WW Ops
CCTV	19	56	CCTV (in annual and quarterly reports)	Done- 2016	@EPA	Done Whole System, 2016 Continues as indicated by cleaning work.
Sewer Hook-Up	20	57	Sewer Hook-Up Revolving Loan Support	In Operation	@EPA	Done -- available on GWA web site or at GWA Customer Service
GW Disinfection	21	58	Groundwater Chlorination	540 days	@EPA	Done Reported 04/29/2013
Chlorine Residual Monitors	22	59	Plan	180 days	@EPA	Done Reported 09/94/2012
	22(a)	60	High Risk Wells	540 days	@EPA	Done Reported 05/02/2013
	22(b)	61	Moderate Risk Wells	2 years	@EPA	Done Reported 07/31/2013
	22(c)	62	All Other Wells	Completed 07/31/2017	@EPA	Done Late -- Completed 07/31/2017
Water Metering	23(a)	63	Plan & schedule	180 days	@EPA	Done Late - Reported 05/08/2012
	23(a)	64	All connections are metered and mapped	2 years	@EPA	Done Late -- completed 11/15/2018
	23(b)	65	Plan repair & maintain	180 days	@EPA	Done GWA Test facility operational 06/28/2013
Ugum Surface Water Treatment Plant	24	66	Construction complete	One year	@EPA	Done Reported 11/09/2012
	24	67	PE Inspection	60 days before start-up	@EPA	Done EPA Approval 08/26/2014
	25	68	PE Performance Operation Assessment	60 days before start-up	@EPA	Done EPA Approval 08/26/2014
	26	69	O&M Plan and Procedures	90 days before start-up	@EPA	Done Reported 08/10/2012 EPA Approval 08/17/2014
	27	70	Plant compliance	365 days	@EPA	Done Reported 02/07/2013
Sinajana Water Transmission Line	28(a)	71	Existing Construction Complete	180 days	@EPA	Done Reported 12/23/2011
	28(b)	72	Hydraulic Evaluation	180 days	@EPA	Done EPA No Further Comment 08/26/2014
	28(c)	73	Construction Complete (2 tanks)	540 days from 11/21/2013	@EPA	Done Late GEPA Delays Tank Constr. Completed August 2015: In Service July 2016.
	28(d) 1	74	Monitoring Plan	90 days prior	@EPA	Done Reported 09/07/2012
	28(d) 1	75	Implement- Monitoring Plan	For one year after start up	@EPA	Done GWA Compliance - Start 09/01/2015 -- end 08/31/2016
	28(d) 2	76	Monitoring Plan	180 days prior	@EPA	Done EPA Approval 08/26/2014.
	28(e)	77	Implement- Monitoring Plan	For one year after start up	@EPA	Done - Start 09/01/2015 -- end 08/31/2016
Storage Tank/Reservoir Rehabilitation and Replacement Program.	29(a) 1	78	Plan hydraulic analysis	90 days	@EPA	Done Reported 11/09/2012
	29(a) 2	79	Hydraulic analysis	540 days	@EPA	Done EPA No Further Comment 08/26/2014
	29(b) 1	80	Plan minimize service interruptions	90 days after approval	@EPA	Done EPA approval 08/26/2014
	29(b) 2	81	Tank inspection schedule	540 days	@EPA	Done EPA approval 08/26/2014
	29(b) 3	82	Complete Barrigada (1 @ 2 MG tank)	540 days	@EPA	Done
	29(b) 4	83	Assess additional 7 tanks	5 years (11/10/2016)	@EPA	Done DCA contract task
	29(b) 5	84	RRRR 7 additional tanks	5 years (11/10/2016)	@EPA	Done PMO executed procurement
	29(b) 6 i	85	RRRR 10 additional tanks	12/31/2025	@EPA	In Progress, expected to meet the 02/11/2021 Court Order Extension 12/31/2025
	29(b) 6 ii	86	RRRR remaining tanks	12/31/2025	@EPA	In Progress, expected to meet the 02/11/2021 Court Order Extension 12/31/2025
	29(c)	87	In Quarterly / Annual Report	Quarterly / Annual Report	@EPA	Ongoing GWA Compliance Repeats Quarterly
Section III REPORTING REQUIREMENTS	31(a)(1)	88	Quarterly Report	Jan., April, July, Sept. Continuous	@EPA	Ongoing Due by the 30 <sup>th</sup> of the specified months
	31(a)(2)	89	Reports on Non Compliance	Within 30 days from determination of delay	@EPA	Ongoing As determined by GWA
	31(b)	90	SSO and Bypass Report	Jan., April, July, Sept. Continuous	@EPA	Ongoing Due by the 30th of the specified months
	31(c)	91	Annual Report	January each year	@EPA	Ongoing Included with 31(a) each Year
Section IV NOTICES	35	92	CO contacts		@EPA	Ongoing GWA Compliance report 06/29/2016
	36	93	Formal notices of change in CO contacts	Whenever specified staffing changes	@EPA	Ongoing GWA Compliance report 06/29/2016



**Engineering Monthly Report  
September 2024**

Prepared by:

Jeanet Babauta Owens, P.E.  
Assistant General Manager of Engineering

## TABLE OF CONTENTS

A.	CIP Encumbrances .....	1
B.	Water CIP Expenditure (Grants, Grants/IFCIP) .....	2
C.	Water Capital Improvement Projects (CIP) .....	3
D.	Wastewater Capital Improvement Projects (CIP) .....	6
E.	Electrical & Capital Improvement Projects (CIP) .....	6
F.	Permits .....	9
G.	2024 Application Review Committee (ARC) .....	10
H.	Geographic Information System (GIS) .....	11
I.	Land Management .....	12
J.	Planning & Support Services .....	16
K.	CIP Exhibits .....	19
L.	Completed CIP Projects to date .....	70

**This Engineering Report summarizes activities for the month of August 2024.**

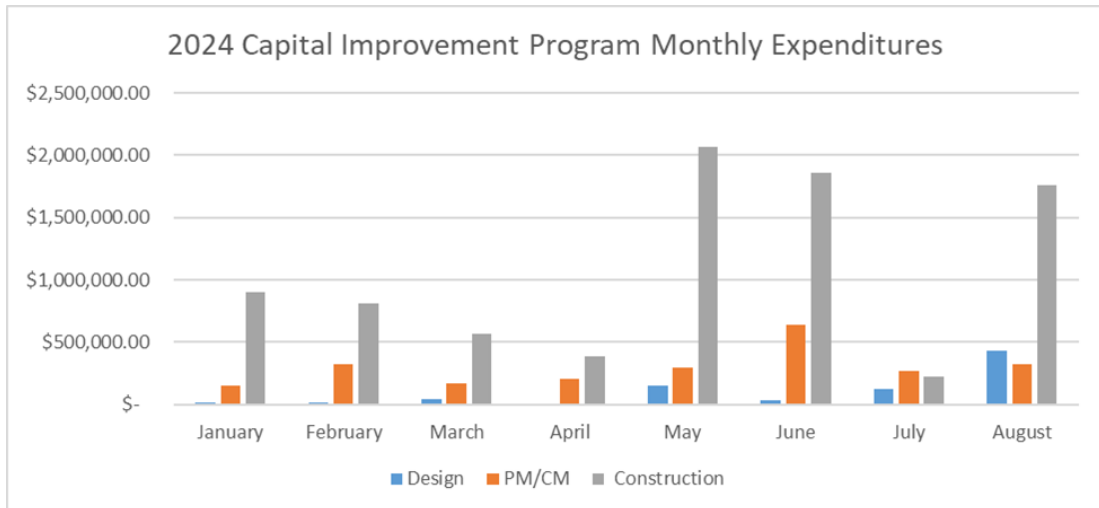
**A. CIP Encumbrances**

<b>2024 Year To Date Engineering Encumbrances by Work Type</b>				
<b>Month</b>	<b>Design</b>	<b>PM/CM</b>	<b>Construction</b>	<b>Month Total</b>
January	\$ 1,425,903.37	\$ -	\$ 43,633,085.48	\$ 45,058,988.85
February	\$ -	\$ -	\$ 22,834,768.00	\$ 22,834,768.00
March	\$ 750,000.00	\$ 439,711.10	\$ -	\$ 1,189,711.10
April	\$ -	\$ -	\$ 321,739.68	\$ 321,739.68
May	\$ -	\$ -	\$ 89,492.68	\$ 89,492.68
June	\$ 2,302,293.71	\$ 1,063,594.04	\$ 1,294,945.60	\$ 4,660,833.35
July	\$ -	\$ 3,811,241.00	\$ 8,150,517.79	\$ 11,961,758.79
August	\$ 849,351.00	\$ 198,922.50	\$ 483,266.89	\$ 1,531,540.39
<b>Grand Total</b>	<b>\$ 5,327,548.08</b>	<b>\$ 5,513,468.64</b>	<b>\$ 76,807,816.12</b>	<b>\$ 87,648,832.84</b>

<b>2024 Year To Date Engineering Encumbrances by Funding Type</b>				
<b>Month</b>	<b>Bond</b>	<b>Grant</b>	<b>Other</b>	<b>Month Total</b>
January	\$ 39,786,035.48	\$ 5,272,953.37	\$ -	\$ 45,058,988.85
February	\$ 22,834,768.00	\$ -	\$ -	\$ 22,834,768.00
March	\$ 1,189,711.10	\$ -	\$ -	\$ 1,189,711.10
April	\$ 321,739.68	\$ -	\$ -	\$ 321,739.68
May	\$ 80,154.25	\$ 9,338.43	\$ -	\$ 89,492.68
June	\$ 1,420,442.60	\$ 3,240,390.75	\$ -	\$ 4,660,833.35
July	\$ 1,640,049.79	\$ 9,500,000.00	\$ 821,709.00	\$ 11,961,758.79
August	\$ 1,531,540.39	\$ -	\$ -	\$ 1,531,540.39
<b>Grand Total</b>	<b>\$ 68,804,441.29</b>	<b>\$ 18,022,682.55</b>	<b>\$ 821,709.00</b>	<b>\$ 87,648,832.84</b>

## B. Water CIP Expenditure (Grants, Grants/IFCIP)

2024 Capital Improvement Project Monthly Expenditures				
Month	Design	PM/CM	Construction	Month Total
January	\$ 18,754.06	\$ 155,594.50	\$ 905,842.70	\$ 1,080,191.26
February	\$ 15,707.56	\$ 327,408.78	\$ 806,954.87	\$ 1,150,071.21
March	\$ 42,821.70	\$ 168,792.94	\$ 569,792.63	\$ 781,407.27
April	\$ 1,996.20	\$ 202,572.90	\$ 389,813.84	\$ 594,382.94
May	\$ 154,277.58	\$ 300,369.12	\$ 2,069,255.88	\$ 2,523,902.58
June	\$ 34,814.14	\$ 635,671.94	\$ 1,861,479.07	\$ 2,531,965.15
July	\$ 122,748.64	\$ 272,282.63	\$ 228,283.29	\$ 623,314.56
August	\$ 431,536.27	\$ 327,412.04	\$ 1,757,890.60	\$ 2,516,838.91
<b>Grand Total</b>	<b>\$ 822,656.15</b>	<b>\$ 2,390,104.85</b>	<b>\$ 8,589,312.88</b>	<b>\$ 11,802,073.88</b>



## C. Water Capital Improvement Projects (CIP)

### I. Court Order Projects Summary

- 1) There are twelve (12) new concrete reservoirs that have been completed to date and seven (7) steel reservoirs completed to date.

<u>Concrete Reservoirs</u>	<u>Steel Reservoirs</u>
Barrigada No. 1 & No. 2	Santa Ana No. 2
Chaot No. 1 & No. 2	Mangilao No. 1
Agana Heights No. 1	Mangilao No. 2
Tumon No. 1	Yigo No. 3
Barrigada Heights No. 1	Agat-Umatac
Yigo No. 1 & No. 2	Windward Hills No. 1
Astumbo No. 1	Santa Ana No. 1
Santa Rosa No. 2	
Sinifa No. 2	

- 2) There are a total of 9 more steel tanks that need to be rehabilitated by December 2025. There are five (5) steel tanks (Kaiser, Astumbo No.2, Upper Nimitz, Lower Nimitz and Pigua) currently in construction. Kaiser steel tank is anticipated to be on-line for GWA service by November 2024 with project completion by January 2025. Astumbo Steel Tank No. 2 is in the coating curing period and anticipated to be on-line for GWA service by August with anticipated completion by October 2024. The four (4) remaining steel tanks (Sinifa, Santa Rosa, Malojloj, and Umatac Subdivision) to begin rehabilitation by the end of 2024 with anticipated completion by November 2025.
- 3) There are three (3) new concrete reservoir tanks (Tamuning #2, Manenggon #2 and Ugum #2) that must be constructed by December 2025. The Construction Notice to Proceed for the Tamuning #2 and Manenggon #2 concrete reservoir projects were issued in January 2024 and construction is in progress. The critical issue is the delay in the construction of the Ugum #2 concrete reservoir project. The Construction Notice to Proceed for Ugum #2 concrete reservoir project was issued in February 2024 and the construction is delayed pending Department of Land Management's (DLM) permit clearance. As of May 14, 2024, DLM resolution is pending review by the Attorney General's office.

**II. The project status of the Water CIP that are currently in construction is shown in Table II.**

**III. The project status of the Water CIP that are currently in design is shown in Table III.**

Table II. Project Status of Water CIP that are currently in construction

Project No.	Project Name	Start	Expected Completion	Project Status	2023 & Prior Years				2024				2025				2026				2027				2028			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>Water CIP Construction</b>					<div style="float: right; border: 1px solid black; padding: 5px;"> <b>Legend</b>  <span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; margin-right: 5px;"></span> Procurement  <span style="display: inline-block; width: 15px; height: 10px; background-color: #ADD8E6; margin-right: 5px;"></span> Design  <span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; margin-right: 5px;"></span> Construction                 </div>																							
IFB-01-ENG-2023	Tamuning, Manenggon*	1/22/2024	6/2025	Contractor preparing tank subgrade, detention basin, etc.					Construction on-going				Target completion															
IFB-02-ENG-2019	Pressure Zone Realignment Phase 1	4/2/2020	9/2024	95% complete, pending change order to replace valve covers	Construction				Change order				Target completion															
IFB-02-ENG-2019	Pressure Zone Realignment Phase 2	7/1/2024	6/2026	In Procurement, bid submission deadline July 1st.	Procurement Phase				Construction				Target completion															
IFB-03-ENG-2019	Fire Hydrant Replacement Phase 1	9/30/2019	6/2024	Final inspection, CO#6 in process for 4 additional hydrants to be completed by June 2024	Construction				Substantial completion in April 2024																			
IFB-06-ENG-2023	Ugum Reservoir No.2	2/3/2024	12/2025	Under permitting, DPW	Procurement				Critical Path- Construction Permit on hold				Target completion															
IFB-06-ENG-2019	Tank Repair/Bypass								Target completion																			
	Kaiser	10/1/2023	1/2025	Contractor is underway with the interior coating of the tank. Tank is anticipated to be online Nov.2024	Construction				Floor welding complete				Target completion															
	Astumbo No.2	11/1/2022	10/2024	Tank under disinfection, online in August 2024	Construction				Interior coating				Target completion															
	Upper (10,000 gallon) and Lower Nimitz (5000 gallon)	12/1/2023	8/2024	Lower Nimitz tank to go online in August. After Lower Nimitz new tank goes online, Upper Nimitz will be taken offline for repair.	Construction				Foundation preparation				Target completion															
	Pigua	8/1/2023	1/2025	CCR option 3 for the total cost of \$550,000.00. Next step to present option 3 to GM.	Construction				Coating				Target completion															
	Malojloj	6/2024	11/2025	Inspection completed, report is being prepared. Tank to be placed online 2nd week of August 2024.					Condition assessment & repairs				Target completion															
IFB-05-ENG-2023	Ugum Water Treatment Plant Rehabilitation	2/5/2024	6/2025	Permit Phase, long lead items were ordered, preparing scope changes to add improvements to Operations and Chemical building					Permitting, Materials ordered				Target completion															
IFB-01-ENG-2019	Santa Rosa Concrete Tank (1 MG) & New Santa Rosa BPS	9/30/2019	9/2024	Santa Rosa Concrete Tank online. Santa Rosa BPS work ongoing.	Construction				Ongoing				Target completion															
IFB-01-ENG-2019	Santa Rosa Steel Tank Repair	5/1/2024	9/2025	Steel tank repair work ongoing.					Notice to Proceed				Target completion															
IFB-01-ENG-2019	Sinifa Steel Tank Repair	7/1/2024	8/2025	Steel tank underway.					Kick Off Meeting				Target completion															
Planning Procurement	Deep Well A-23 & A-25 GAC Filter	8/1/2024	12/2027	Bid package preparation in progress and anticipated to be completed in August 2024.	Procurement				Revise specs and design				Target completion															



Table III. Project Status of Water CIP that currently in Design

					2023 & Prior Years				2024				2025				2026				2027				2028							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>Water CIP Design</b>																																
RFP-04-ENG-2019	Deep Wells D-17, Y-15, M-4 GAC Systems	3/11/2024	8/2024	100% design to be submitted in August 2024																												
In Procurement	Deep Wells: Emerging Contaminants Water Treatment			To be advertised September 18, 2024																												
RFP-03-ENG-2018	Pressure Zone Realignment Phase 1-5	8/16/2018	12/2025	Phase 3 60% design and targeting 100% design by January 2025																												
<b>Water Loss Program</b>																																
RFP-03-ENG-2022	General Pipe Replacement	6/1/2024	9/2025	Contract phase																												
RFP-04-ENG-2022	ACP Pipe Replacement	7/1/2024	10/2025	Contract phase																												
RFP-07-ENG-2022	District Meter Areas (DMA)	8/1/2024	11/2025	Contract phase																												
RFP-01-ENG-2022	Undersize Pipe Replacement	8/1/2024	11/2025	Contract phase																												
RFP-03-ENG-2023	Waterline Repliment' at Various Bridges	2/22/2024	12/2025	Bridge assessment 3 of 30 sites																												
In Procurement	Santa Rita Springs Design RFP	8/2024	11/2025	Proposals from interested firms due August 26, 2024																												

## D. Wastewater Capital Improvement Projects (CIP)

### I. Consent Decree Projects Summary

- 1) There are four (4) Capacity Assurance Projects in planning:
  - a) Route 12 at Route 2 in Agat (approximately 1 mile)
  - b) Barrigada Pump station sewer lines along Route 10 (approximately 1 mile)
  - c) Route 1 Dededo (approximately 4 miles)
  - d) Route 4 Merizo (approximately 3 miles)

It is anticipated that the award of the task orders for the design and Construction management work will be presented to the CCU in Summer 2024 timeframe.

- 2) Engineering is awaiting Operations to complete the CCTV assessment of the gravity lines to determine which existing gravity lines are rated as acute defects. It is a compliance requirement that the repair of the acute defects must be completed within 18 months of the effective date if work is performed by GWA Operations or within 24 months of the effective date of the partial consent decree, if the work will be contracted to a third-party contractor.
- 3) There are four (4) Tier 1 pump stations out of 23 pump stations that are currently in design. IDIQ Design and CM RFP for the Sewage Pump Station & Forcemain Assessment and Rehabilitation is in process to be released for advertisement in Summer 2024 timeframe.
- 4) As of the date of this report, the partial consent decree is still in process and no effective date has been determined yet.

II. **The project status of the Wastewater CIP that is currently in construction is shown in Table IV.**

III. **The project status of the Wastewater CIP that is currently in design is shown in Table V.**

## E. Electrical & Capital Improvement Projects (CIP)

**Refer to Table VI for projects status of the Electrical & Capital Improvement Projects.** Pago Bay Waterline Replacement is a Water CIP but it is currently being managed under the Electrical & Capital Improvement Projects.

Table IV. Wastewater CIP that are currently in Design are shown below.

Project No.	Project Name	Start	Expected Completion	Milestone	2023 & Prior Years				2024				2025				2026				2027				2028							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>Wastewater CIP Design &amp; CM</b>																																
RFP-02-ENG-2024	Adacao Water & Sewer Infrastructure -CM/PM	11/30/2024	12/30/2026	Proposals due September 13, 2024																												
RFP-09-ENG-2022	Adacao Water & Sewer Infrastructure	6/3/2024	12/31/2026	90% design																												
<b>Dungca Beach Sewer Line Relocation</b>																																
RFP-01-ENG-2020	Phase I Trankilo Street	4/26/2021	7/5/2026	90% design																												
	Phase II Lagoon Drive	4/26/2021	6/30/2027	60% design																												
RFP-03-ENG-2020	Fujita SPS Redundant Force Main	10/5/2022	12/2024	30% design																												
RFP-02-ENG-2020	Hagatna Main SPS Redundant Force Main	4/7/2021	12/2024	30% design																												
RFP-08-ENG-2021	Hagatna Wastewater Treatment Plant Causeway and Facility Structure Analysis	4/2/2021	1/2025	30% design, waiting cost proposal for SCADA implementation																												
RFP-05-ENG-2023	Fats, Oils, Grease Receiver Station Design	7/1/2024	7/2025	Contract Phase																												
RFP-09-ENG-2022	Gil Breeze Subdivision Water and Sewer	11/1/2024	4/2026	Contract Phase																												
<b>IDIQ Island-wide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design-Consent Decree Capacity Assurance Projects</b>																																
RFP-06-ENG-2022	Route 12 at Route 2, Agat	6/1/2024	12/31/2027	Contract Phase																												
	Barrigada Pump Station Sewer Lines	6/1/2024	12/31/2027	Contract Phase																												
	Route 1, Dededo	6/1/2024	12/31/2027	Contract Phase																												
	Route 4, Merizo PS 14 to PS18	6/1/2024	12/31/2027	Contract Phase																												
	Wastewater Transmission System Design and Management Services																															
Planning for Procurement	Northern and Central			Target Advertise date by October 2024																												
	Southern and Central			Target Advertise date by October 2024																												
<b>Other CIP Design</b>																																
RFP-07-ENG-2023	Rojas Harmon Stormwater Drainage	5/27/2024	5/2025	Contract signed, kick-off meeting initiated																												

**Table V. Wastewater CIP that are currently in Construction are shown below.**

Project No.	Project Name	Start	Expected Completion	Milestone	2023 & Prior Years				2024				2025				2026				2027				2028							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>Wastewater CIP Construction</b>																																
IFB-03-ENG-2024	Adacao Water & Sewer Infrastructure	12/30/2024	12/30/2026	Bid due September 30, 2024																												
IFB-07-ENG-2023	Aplacho Drainage and Roadway Improvements	7/22/2024	6/15/2025	Contract phase, NTP to be issued August 2024																												
IFB-01-ENG-2021	Yigo SPS Flood Mitigation and Facility Rehabilitation	4/26/2021	9/28/2024	SCADA implementation and punchlist items																												

**Table V. Electrical and Capital Improvement Projects that are currently in design are shown below.**

Project No.	Project Name	Start	Expected Completion	Milestone	2023 & Prior Years				2024				2025				2026				2027				2028							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>Electrical-Capital CIP Design-Build</b>																																
Planning for Procurement	Design-Build of Pago Bay 12-inch Waterline Replacement	7/2024	10/2025	Bid package preparation, bid issuance is dependent on availability of funds																												
Planning for Procurement	Design-Build of Upper Tumon Campus Improvements - Phases 1 & 2	8/2024	5/2026	Bid package preparation, CCU approved, PUC petition submitted, bid issuance is dependent on availability of funds																												
SCADA Improvements																																
Planning for Procurement	Design-Build of GWA SCADA System Phases 1 & 2	8/2024	4/2027	Bid package preparation, CCU approved, draft of PUC petition under review, bid issuance is dependent on availability of funds																												
Planning for Procurement	SCADA & Electrical Controls for Ugum Water Treatment Plant	8/2025	9/2027	Planning																												
Planning for Procurement	SCADA & Electrical Controls for Hagatna Wastewater Treatment Plant	8/2025	9/2027	Planning																												

## F. Permits

The Completed Permits table below lists the number of work orders completed by Permits inspectors/engineers for customer requests related to certain permits or utility services. It also summarizes the total work orders completed 'year to date' up to December. The table is updated in this Monthly Engineering Report for August 2024.

COMPLETED PERMITS													Year to date total
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	
Building Permit	30	12	12	16	16	12	16	8					122
Occupancy Permit	6	26	9	9	34	12	14	10					120
New Installation	27	24	23	24	31	13	19	22					183
Sewer Application	2	3	3	3	10	3	6	8					38
Sewer Inspection	2	3	2	3	0	0	0	0					10
Private Utility Acceptance	0	0	0	0	0	0	1	0					1
Relocation of Water Meter	3	5	3	1	1	2	2	0					17
Tapping-Water	5	3	3	2	2	0	4	0					19
Tapping-Sewer	2	4	0	2	0	0	4	0					12
Clearance-Water	14	10	14	7	21	9	15	15					105
Clearance-Sewer	13	8	2	4	11	3	9	0					50
Highway Encroachment	12	2	17	16	19	14	19	7					106
Verification of Utilities	11	9	10	13	13	8	7	15					86
Fire Flow Test	16	3	6	0	0	3	4	2					34
Schedule Water Outage	2	1	1	1	0	0	1	0					6
GPA Utility Clearances	12	3	5	17	4	10	13	10					74
GTA Utility Clearances	12	16	6	22	8	10	15	6					95

### AVERAGE PROCESSING TIME FOR COMPLETIONS (DAYS) FOR AUGUST 2024

The Average Processing Time for Completions (Days) for the Calendar Month table below summarizes the average time of days it took to complete each type of work order for certain permits or utility services. For example, the average processing time for Building Permits in August 2024 was 38 days. To calculate the average processing time for Building Permits in August 2024, we refer to the Completed Permits table for August 2024, where we find that there were 8 Building permits completed. Each of the 8 building permits ranged from 9 to 119 days to complete. We calculate the average by adding up the total number of days it took to complete each building permit (306 days in total) and then dividing the total by 8, resulting in an average processing time of 38 days. If the average processing time for the month greatly deviates from the previous monthly averages, an explanation is provided.

Description	2024											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit	29	17	26	25	12	13	17	38 <sup>a1</sup>				
Occupancy Permit	0	0	0	0	0	0	0	0				
New Installation	163	80	98	58	151	73	98	54				
Sewer Application	0	0	0	0	0	0	0	0				
Sewer Inspection	0	0	0	0	0	0	0	0				
Private Utility Acceptance	0	0	0	0	0	0	12	0				
Relocation of Water Meter	30	30	14	14	27	132	7	0				
Tapping-Water	0	0	0	0	0	0	0	0				
Tapping-Sewer	0	0	0	0	0	0	0	0				
Clearance-Water	0	0	6	0	3	3	3	0				
Clearance-Sewer	0	0	0	0	0	0	0	0				
Highway Encroachment	0	0	0	0	0	0	0	0				
Verification of Utilities	25	17	17	15	19	11	15	29				
Fire Flow Test	0	0	1	0	0	0	0	3				
Schedule Water Outage	0	0	0	0	0	0	0	0				
GPA Clearances	0	0	0	0	0	0	0	4				
GTA Clearances	0	0	0	0	0	0	0	2				

Subscript comments are based on what occurred during the month of August.

a1: Building permit approvals were delayed due to customers taking longer time to submit revised drawings and making late SDC payments.

## G. 2024 Application Review Committee (ARC)

The Application Review Committee (ARC) in Guam serves a critical function for the Guam Land Use Commission. The ARC helps maintain organized, lawful development and balances growth with environmental and community needs. Its primary purpose is to evaluate and review land use and land development applications related to various governmental and regulatory matters such as:

1. **Land Use and Development**: Ensuring compliance with regulations and sustainable growth.
2. **Environmental Impact**: Assessing projects for environmental protection.
3. **Business Permits**: Reviewing business-related permits and licenses.
4. **Community Services**: Approving applications for public services like housing and healthcare.
5. **Inter-agency Coordination**: Facilitating input from relevant government agencies.

CURRENT MONTH	NO. OF ACTIVE ARC APPLICATIONS	NO. OF ARC APPLICATIONS PROCESSED/SIGNED
JANUARY	5	1
FEBRUARY	5	4
MARCH	3	2
APRIL	4	4
MAY	8	1
JUNE	4	7
JULY	4	0
AUGUST	0	0

## H. Geographic Information System (GIS)

During the month of August 2024, the GIS Section did some updates to the Sewer System, more time was spent on map request from various section within Engineering, GIS assistance for Consent Decrees, GIS Help Desk assistance, conducted field work on Sarmiento Dr., in Santa Rita, assisting the Guam Solid Waste Authority with their GIS install,

### **Sewer System Updates**

3 new sewer lines were created, which were 4, 8, and 30, inches in diameter. This added 1,301 linear feet, which equates to 0.25 miles. No sewer lines were edited this month.

### **Water System Updates**

There were no new updates or edits for the water system this month.

### **Map Requests**

The GIS Section receives request for maps in various forms. The Engineering sections request maps for field work and for customers.

- a. Phase II Hydrant Replacement project.
- b. Consent Decree Force Main
- c. Maps for VOU's
- d. Dungca Beach
- e. Bayside SPS
- f. Ukkudo Power Plant

### **GIS Assistance for Consent Decrees**

The GIS Section participates in GoTo and Force Mains. GIS data is used to add to the spread sheets listing a variety of information for each Sewer Pump Station. The main data derived from the GIS is location and length of pipes.

**GIS Help Desk Assistance**

The GIS Section is constantly sought after to answer simple and challenging questions about the usage of the GIS. We are more than willing to assist. Below were the sections that were helped:

- a. Permits
- b. Waste Water
- c. Water

**Field Work Conducted**

The GIS Section went to Sarmento Dr. in Santa Rita to locate where a new water pumpstation placement. Topographic shots were taken for design purposes, and as-built of water meters were needed for a possible water line upgrade.

All meters along Sarmento Dr. were located by the GIS Section.

**Guam Solid Waste Authority (GSWA)**

The GIS Section is assisting the Guam Solid Waste Authority with the installation of a GIS system. They need the system to plan for future growth of the authority.

**Update**

It was discovered that the workstation the ArcMap installation was supposed to go on was locked out. GSWA is working with their computer hardware contractor to grant installation access.

**I. Land Management**

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
--------------	----------	--------------------------	-------------------------



Tanks	Astumbo-L10164	Gov't. - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021 – Follow up status sent to DLM 10/06/2021; 11/03/2021; 01/27/2022; 03/04/2022; 05/12/2022; 07/07/2022;09/12/2022; 12/27/2022; DLM response 07/11/2023 have not been able to meet with Assignment AG for LR proceedings. Land Agent has followed up and emailed multiple times with Margarita at DLM on meeting with DLM attorney on status of Land Registration proceedings 10/02/2023. This process is crucial for GWA to acquire property for GWA reservoir. 02/01/2024: Follow up sent to Margarita at DLM; 02/09/2024: Response from Margarita at DLM- Because it has almost been 4 years since we requested the assistance of the AG to initiate the Land Registration, I would recommend that a formal letter from GWA requesting the urgency of the registration and indicate the reasoning behind it. This would support our request for immediate processing with the AG.
	Piti-L259	Private/Federal	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 forms. Waiting for permission from NPS to access the lot and perform the Archeological survey.
	Ugum River Intake/Booster Pump Station	Private	When the UGUM Water treatment plant was built in 1990, no land reservations for the area by the booster pump station, the Ugum river intake and access road. Land Agent currently researching the area under Lot 292, owned by the Aguon Family. GWA would need to secure a Grant of Easement for the access road and booster pump facility along the river intake. 12/19/2023: GWA coordinating with DCA for survey services to perform a boundary retracement survey of the subject lot to establish the limits of the survey; as-built existing facilities, structures, and road, to obtain + 2,376 square meters for the parcel and create the easement for GWA reservation. 03/06/2024: DCA field survey work begins.

Deep Wells	AG-12-L10154-4	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Manhita Farms for signature 05/24/18. 2 <sup>nd</sup> follow up sent on 04/10/19; 08/03/2021. ROE Agreement information sent to GWA legal counsel for further review and processing 01/28/2022; 08/11/2023 –GM signed and submitted to DCA for final review and processing at DLM; 09/26/2023-Submitted to DCA for final map processing. 01/02/2024: sent update status email to DCA. 03/2024: Re-submitted survey map to DLM last week to change the new acting CLTC Administrative Director.
Booster Pump Station	Agfayan-T3734 B19 L28	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19. Letter of Decision received by CLTC 06/09/2021. CLTC has responded for in-kind service letter 10/08/2021. 1 <sup>st</sup> appraisal report submitted to GWA 05/11/2022. 2 <sup>nd</sup> appraisal submittal to GWA 09/20/2022. Appraisal report sent to GM/legal counsel for review, approval and response 09/22/2022. Request for updated Appraisal report sent to TG Engineers for cost estimate 09/28/2023. Garrett stated updated appraisal report cost is \$2500 each. Funding needs to be requested. 10/02/2023
Asan Springs	Asan-L501	Federal	<ul style="list-style-type: none"> <li>• GEPA has determined that a GWUDI Study be implemented and is in the process of finalizing their requirements. Once GWUDI requirements have been determined, HDR to provide a cost for new change order for GWUDI requirements into the design.</li> <li>• HDR is getting signatures for USACE “No Permit Required” to NPS, GWA, and GHURA.</li> <li>• No public comments as of 5/8/2024, a FONSI is being drafted by HDR for NPS to approve.</li> <li>• NPS posted New Release for EA on 3/26/2024 and comments will be accepted until 4/25/2024.</li> <li>• Revised Environmental Assessment report with NPS for review. 1/25/24</li> <li>• 09/18/2023: The Office of Congressman Moylan has offered assistance to work with the NPS in completing the EA and Finding of No Significant Impact (FONSI) along with the Right of Way agreement to GWA, the EA is a prerequisite of the ROE agreement.</li> </ul>

<p>Adacao Sewer PS</p>	<p>T293 L19, Mangilao</p>	<p>Private</p>	<ul style="list-style-type: none"> <li>• May 2, 2023: Right of Entry request sent to owners of properties for potential pump station sites</li> <li>• May 15, 2023 – August 30, 2023: Right of Entry letters received by owners. Received responses from owners of Lot 19 Tract 293 (Natividad Trust &amp; BME) and Lot 14-R2 Tract 293 (Angelita Sionosa). No response from Angelita after initial contact.</li> <li>• September 15, 2023: DCA met with Natividad Trust &amp; BME to discuss pump station on L19 T293</li> <li>• September 25, 2023: Right of entry for Natividad Trust &amp; BME L19 T293 signed by GM</li> <li>• January 26, 2024: DCA met with Natividad Trust &amp; BME to progress with appraisal</li> <li>• January 30, 2024: Appraisal conducted on L19 T293</li> <li>• March 13, 2024: Appraisal received</li> <li>• May 3, 2024: Received Ownership and Encumbrance Report on L19 T293</li> <li>• May 15, 2024: Letters of Decision sent to property owners of T293 L19</li> <li>• June 03, 2024: Followed up on LOD, no response yet from property owners</li> <li>• June 18, 2024: property owner responds with willing to sell</li> <li>• June 20, 2024: GWA sends offer letter</li> <li>• June 20, 2024: property owner responds with counter offer</li> <li>• June 25, 2024: GWA sends revised offer letter</li> <li>• June 26, 2024: property owner accepts GWA's revised offer</li> <li>• June 26, 2024: land agent to draft land purchase agreement for review</li> <li>• July 24, 2024: GWA signed LPSA was dropped off to property owner for signature</li> <li>• July 25, 2024: Acknowledgment and Acceptance of Escrow</li> </ul>
------------------------	---------------------------	----------------	---

## J. Planning & Support Services

### Planning Activities for the May 2024

1. New Grant Proposals – Planning section is drafting and preparing 2 grant proposals due in November 2024 as described below:
  - a. USEPA Environmental and Climate Justice Community Change Grant – Gill Baza and Zero Down Subdivision Water and Sewer Project
  - b. USEPA Environmental and Climate Justice Community Change Grant – Gill Breeze Subdivision Water and Sewer Construction
2. FEMA Preliminary Damage Assessments – Planning is responsible for the coordination, preparation and submission of Preliminary Damage Assessments for Typhoon Mawar
  - a. Bi-weekly meetings with GWA Management and support staff in order to report updates, communicate challenges and coordinate the execution of work.
  - b. Documentation and FEMA claims – Planning is Project Manager for putting gathering documentation to support FEMA claims and ensuring reimbursements. Planning successfully submitted for \$1.4M claim for CAT B Emergency Protective Measures
  - c. Coordination with Asset Management team and Engineering to execute remaining repairs/damages from Mawar
3. Engineering Project Management –Due to the number of CIPs and to further support the Engineering CIP. Planning is also serving as the Project Manager or Deputy Project Manager for the following design/construction projects:
  - a. Rojas Harmon Stormwater Drainage Improvements Design RFP
  - b. Aplacho Roadway and Drainage Improvements Construction – IFB
  - c. GAC Filter Construction Project
4. Department of Interior Grant Training – Planning is also assisting GWA Operations and GWA HR Training in order to execute the following grant funded training related projects
  - a. Department of Interior Maintenance Assistance Program (MAP) 2020 – lead and coordinate the training and equipment purchases for operation comprising of the following: Sewer audit and training, mobile sewer inspection equipment, GPS equipment and reference materials
  - b. Department of Interior Maintenance Assistance Program (MAP) 2022 – responsible for reporting to Grantor the execution of procuring training for Operations which consists of welding, pump and motor, electrician, and SCADA
  - c. Department of Interior Technical Assistance Program (TAP) 2023 – responsible for reporting to the grantor status of the execution of the purchase of drone and sewer equipment for Engineering and Operations
5. Administrative – Planning also provides administrative support by leading the following tasks:
  - a. Monthly Engineering Report – gathers information and prepares report for review
  - b. Engineering Project Tracking – tracks project status and updates

- c. Engineering Project Procurement and Payments – facilitates procurement process and prepares payments to vendors
  - d. NEPA and Section 106 Consultation Letters, Maps and Pictures – prepares letters and maps to various agencies
  - e. USEPA Grant Funding Tracking and meetings – tracks USEPA grant funds and hosts meetings
  - f. Application Review Committee response letters and meetings – researches and prepares response letters for development
- 6. Special Projects are assigned to the Planning Section to verify the following:**
- a. Ordot Leachate Dye Testing – pending equipment delivery in order to conduct re-testing
  - b. Pipe Locating and Ground Penetrating Radar – conducts various pipe locating missions in order to verify utility locations
- 7. Engineering Procurement and Contract Admin –** The Planning section has taken a new role in leading the administrative efforts of Engineering Procurement and Contract Administration. This work consists of tracking procurement stages, gathering documents for transmittal to OAG office, inputting requisitions into Oracle Procurement Cloud, and ensuring projects go through a swift and law-abiding procurement life cycle.
- 8. Active Engineering Procurement Projects:**

	<b>PROJECT TITLE</b>	<b>STATUS</b>
1.	Aplacho Drainage and Roadway Improvements	Pending 3rd review of insurance based on 2 recently submitted documents. Email sent to Prudencio/Vince re Payment and Performance Bond renewal which expired on 07/01/2024 (M).
2.	Construction Management Services for Brigade II Booster Pump Station	Status quo. AGME to look for funding.
3.	Construction Management Services for Pressure Zone Realignment Construction Phase II	Bid Opening for PZR Phase II Construction on 07/26/2024 (F).
4.	Design of Santa Rita Springs Rehabilitation	Online Registration is ongoing. Pending release of Addendum No. 1 (revised Scoring and SOW).

- |     |  |  |
|-----|--|--|
| 5.  | Fats, Oil, and Grease Receiving Station Design Services  | OAG review deadline is upcoming on 08/02/2024 (F). LC to sign after this date in case there are no feedback and/or comment(s). |
| 6.  | Gill Breeze Subdivision Water and Wastewater Infrastructure  | CCU Resolution to be submitted in August 2024. Pending submission of Phase 4 documents.  |
| 7.  | Indefinite Delivery/Indefinite Quantity (ID/IQ) for Water and Wastewater Hydraulic Modeling Services   | AGME requested to reserve SDC for contract amounts. PM to prepare E-505 contract and Task Order No. 1.                         |
| 8.  | Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Undersized Waterline Replacement  | LC is still pending revision to contract documents.  |
| 9.  | Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Waterline Replacement and Upgrades  | LC is still pending revision to contract documents.  |
| 10. | Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Asbestos Concrete Pipes (ACP) Waterline Replacement   | Prudencio called Mr. Kennedy to request for insurance renewal. PM to follow-up.  |
| 11. | Indefinite Delivery/Indefinite Quantity (ID/IQ) Professional Project/Construction Management for Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement | Testing in progress for CPA in OPC dev1 for AECOM under BPA-500007. Pending GM's approval.                                     |
| 12. | Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for the Implementation of District Metered Areas (DMA)                       | LC is still pending revision to contract documents.  |

- |   |  |
|---|--|
| 13. Pressure Zone Realignment Phase II Construction | Bid Submission is pending review and evaluation by GHD. Advised Prudencio to scan bid submissions. For sharing of bid submissions to GHD, remove financials (confidential information). Procurement Phase 2 documents is ready to be transmitted to OAG. |
|---|--|

## **K. CIP Exhibits**

**TOTAL NO. OF CIP PROJECTS: 48**

**ALL CIP SECTIONS**

No. of Projects (All CIP Sections): **2**

There is a total of 2 CIP projects that applies to all CIP projects.

<b>EXHIBIT NO.</b>	<b>PROJECT TITLE</b>	<b>STATUS</b>
<a href="#">B-1</a>	ID/IQ – Professional Civil and Structural Design Services	Active
<a href="#">B-2</a>	ID/IQ – Professional Project/Construction Management Services	Active

**WATER / WASTEWATER**

No. of Projects (Water/Wastewater): **2**

Currently, there are two water and wastewater CIP projects with one in planning and the other in 60% design phase.

<b>EXHIBIT NO.</b>	<b>PROJECT TITLE</b>	<b>STATUS</b>
<a href="#">B-3</a>	Gill Breeze Subdivision Water and Sewer Design RFP	Procurement
<a href="#">B-4</a>	Adacao Water and Sewer Infrastructure Design Services	Design, In Progress

**WATER**

**No. of Projects: 17 projects**

There are six (6) water CIP currently in construction and the remaining projects in planning, design or procurement phases. The six (6) water CIP projects consist of multiple reservoir construction and rehabilitation, waterline replacement, and pressure zone realignment. Under the Court Order projects, there are currently four (4) active steel tank major repairs in progress with another three (3) steel tank major repair and three (3) new concrete tank construction slated to start in the coming months.

<b>EXHIBIT NO.</b>	<b>PROJECT TITLE</b>	<b>STATUS</b>
B-5**	Well Abandonment	Planning**
B-6**	Well Rehab A-28, D-15, M-14, F-07	Planning**
<a href="#">B-7</a>	Central Guam Reservoirs	<b>Construction</b>
		In Progress



<a href="#">B-8</a>	Design and CM Services for Waterline Replacement of Various Bridges	Active Assessment/Design in Progress
<a href="#">B-9</a>	Pressure Zone Realignment	<b>Construction</b> In Progress
<a href="#">B-10</a>	Tai Rd./ S-13 and Canada-Toto Lp./Blas St. Waterline Replacement	<b>Construction</b> In Progress
<a href="#">B-11</a>	Asan Springs Rehabilitation	EA in process, Design is complete, ROW agreement being negotiated with NPS
<a href="#">B-12</a>	Groundwater Wells A-02, A-07, A-12, D-05, and F-03 Rehabilitation (Re-bid No. 3)	Design completed and IFB Construction issued [insert dates] but no bids received;
<a href="#">B-13</a>	ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement	Procurement
<a href="#">B-14</a>	ID/IQ - Design and CM for Waterline Replacement and Upgrades	Procurement
<a href="#">B-15</a>	ID/IQ - Design and CM Implementation of District Meter Areas	Procurement
<a href="#">B-16</a>	ID/IQ - Design and CM Undersized Waterline Replacement	Procurement
<a href="#">B-17</a>	Santa Rita Springs Rehabilitation	Procurement
<a href="#">B-18</a>	Brigade II Booster Pump Station	Design completed Seeking grants for additional funding
<a href="#">B-19</a>	New Well Construction (AG-10, AG-12, Y-08)	Design Completed CM on hold pending funding availability for construction
<a href="#">B-20</a>	Northern and Southern Guam Reservoirs	<b>Design/CM/Construction</b> In Progress
<a href="#">B-21</a>	Tank Repair/Bypass	<b>Design/CM/Construction</b> In Progress

\*\* No project worksheets.

## **WASTEWATER**

No. of Projects: **14**

There are fourteen (14) active wastewater CIPs, one (1) drainage/roadway improvement project in construction procurement and one (1) study or the Hagatna Wastewater Treatment Plant Interim Disinfection Project. Five (5) wastewater CIPs are substantially complete and in operation. Four (4) projects out of 16 wastewater CIPs will meet consent decree conditions for gravity main, force main, and sewer pump station rehabilitation/replacement.

EXHIBIT NO.	PROJECT TITLE	STATUS
<a href="#">B-22</a>	Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II	Construction Completed Close-Out In Progress
<a href="#">B-23</a>	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Santa Rita-Talofoto)	CM/Construction Completed Close-Out In Progress
<a href="#">B-24</a>	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement	Construction Completed Close-Out In Progress
<a href="#">B-25</a>	Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation	Construction, In Progress
B-26**	Southern Drainage Sewer Line Survey will be incorporated in Route 2 Gravity Sewer Rehab	Planning
<a href="#">B-27</a>	Fats, Oil, Grease Receiving Station	Procurement**
<a href="#">B-28</a>	Tumon Hot Spots	Design Completed**
<a href="#">B-29</a>	Dungca Beach Sewer Line Relocation	Design, In Progress**
<a href="#">B-30</a>	Fujita Sewage Pump Station Redundant Force Main	Design, In Progress
<a href="#">B-31</a>	Hagatna Main Sewage Pump Station Redundant Force Main	Design, In Progress
<a href="#">B-32</a>	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	Design, In Progress
<a href="#">B-33</a>	Hagatna Wastewater Treatment Plant Interim Disinfection	Design, Close-Out In Progress
<a href="#">B-34</a>	Aplacho Drainage and Roadway Improvements Construction	Procurement
<a href="#">B-35</a>	Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design	Procurement

\*\* No project worksheets.

**ELECTRICAL & CAPITAL IMPROVEMENTS**

No. of Projects: 10

One (1) water project is completed but contractor correcting meter issues: Groundwater Production Meter Replacement. One (1) IDIQ task order assessment and design in progress. One (1) water project in planning, two (2) electrical projects, one (1) facility project and three (3) SCADA projects in planning. One (1) water project is in construction phase.

EXHIBIT NO.	PROJECT TITLE	STATUS
<a href="#">B-1</a>	IDIQ Task Order No. 2 – Structural Assessment and Rehabilitation Design at Commercial Port and Chaot Sewer Pump Stations	Design (HDR), In Progress
<a href="#">B-36</a>	Groundwater Production Meter Replacement	Construction, Completed
<a href="#">B-37</a>	Ugum Water Treatment Plant Rehabilitation	PM/CM, In Progress Construction, In Progress
<a href="#">B-38</a>	Design-Build of Pago Bay 12-inch Waterline Replacement	Planning
<a href="#">B-39</a>	Current Balancing Unit for Deep Well A-09	Planning
<a href="#">B-40</a>	Deep Well Power Line Conditioner Pilot Project	Planning
<a href="#">B-42</a>	Design-Build GWA Upper Tumon Campus Improvements	Planning
B-43**	Design-Build GWA SCADA System Phases 1 & 2	** Planning
B-44**	SCADA Water Phase 3	** Planning
B-45**	SCADA Wastewater Phase 4	** Planning

\*\* No project worksheets.

**OTHER:**

No. of projects: 1

1 stormwater project is in the design phase and involves solving the stormwater issue in Harmon which directly affects GWA's Harmon Sewer pump station.

<a href="#">B-46</a>	Rojas-Harmon Stormwater Drainage Improvements Design	Design In Progress
----------------------	--	--------------------

**B-1 ID/IQ – Professional Civil and Structural Design Services M19-001-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/05/2024	Asst. GM of Engineering	See Activities	Water/WW/Support
Indefinite Delivery/Indefinite Quantity for professional civil and structural design services for various type of water and wastewater utility projects.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-02-ENG-2019	6/17/2019	6/17/2024	AECOM Technical Services, Inc.
Design	RFP-02-ENG-2019	7/17/2019	7/17/2024	HDR, Inc.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design (AECOM)	PW 05-06, MP-PW-Pipe-07	\$1,000,000.00	21%
Design (HDR)	PW 09-03	\$750,000.00	

**ACTIVITIES**

<p><b>AECOM</b></p> <ul style="list-style-type: none"> <li>• Task Order No. 1 Mataguac Booster Pump Station Rehabilitation Design: 90% design phase.                             <ul style="list-style-type: none"> <li>a. Project Engineer: William F. Esteves</li> <li>b. TO cost: \$250,000.00</li> </ul> </li> <li>• Task Order No. 2 Miscellaneous Booster Pump Station Improvements: Upgrade design for Adawag, Chalan Palauan, Pale Kieran, Ulloa/Untalan, Camacho, Manuel Tenorio, Santa Ana, Geus, Ija, Pigua, Umatac No. 1, and Umatac No. 2 booster pump stations.                             <ul style="list-style-type: none"> <li>a. Project Engineer: William F. Esteves</li> <li>b. TO cost: \$750,000.00</li> </ul> </li> </ul> <p>9/11/2024: Preliminary Design Phase, site visits completed by designer, topographic survey contracting in progress, water model data being verified by designer. Project is on-track; next key date 9/23/24 for completion of Archaeological Monitoring and Data Recovery Plan.</p> <p><b>HDR</b></p> <ul style="list-style-type: none"> <li>• Task Order No. 1 Tai Road/S-13 and Toto Canada Road/Blas Street Waterline Replacement Design: 100% design completed. Under construction. See Tai Road/S-13 and Toto Canada Road/Blas Street Waterline Replacement construction project update sheet for details.                             <ul style="list-style-type: none"> <li>a. Project Engineer: Jessey A. Mendiola</li> <li>b. TO cost: \$164,310.00; <b>TO Amendment #1 approved on 8/2/24</b></li> </ul> </li> <li>• Task Order No. 2 – Structural Assessment and Rehabilitation Design at Commercial Port and Chaot Sewer Pump Stations. This involves the structural assessment of structural system failures at Commercial Port and Chaot SPSs, and design of structural modifications to entry/exit for removal/reinstallation of pumps at Chaot SPS. Amendment no. 1 was submitted on May 24, 2024 and approved on August 21, 2024 to amend the schedule, no change in scope and cost. On May 28, 2024 HDR conducted site assessments and met with GWA Engineering and Wastewater Operations on May 29 to discuss findings and next steps. Initial Draft and Final Draft of Structural Assessment Report were submitted on July 22, 2024 and Aug 13, 2024 respectively. Aug 29, GWA and HDR discussed the design scope. GWA requested HDR to provide fee proposal to design new canopy and new monorail system at Baza SPS, improvements to existing chain hoist at Bayside SPS.</li> </ul>
---

- a. Project Engineer: Ernie Villarin
- b. TO cost: \$61,547
- c. Proposed funding source: MP-WW-Pump-01 Lift Station Rehabilitation/Replacement Program

**B-2 ID/IQ – Professional Project/Construction Management Services M19-003-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/05/2024	Asst. GM of Engineering	See Activities	Water/WW/Support
Indefinite delivery/Indefinite quantity for professional project and construction management services for various types of water and wastewater utility projects.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
PM-CM	RFP-04-ENG-2019	06/19/2019	08/23/2024	Brown and Caldwell
PM-CM	RFP-04-ENG-2019	06/17/2019	06/14/2024	Duenas, Camacho & Associates, Inc.

**ACTIVITIES**

- Brown and Caldwell Task Orders:**
1. Bond Report
  2. Route 4 Sewer CIP (completed)
  3. Asan-Adelup-Hagatna Sewer Rehabilitation CIP (completed)
  4. Southern SSES CIP (completed)
  5. Cost of Services Study
  6. Water Meter Technical Assistance
  7. Wastewater Hydraulic Model
  8. Master Plan Update
  9. Modeling
- Duenas, Camacho, and Associates Task Orders:**
1. Tank Repair Bypass CIP
  2. Tai-Toto-Canada Water CIP
  3. Ugum Water Treatment Plant Rehabilitation CIP
  4. Yigo Sewer Pump Station CIP
  5. Tank Inspection and Repairs CIP
  6. District Metered Areas and Pressure Zone Realignment CIP
  7. Wells A-23, A-25 remediation (see B-8 Central Guam Reservoirs project)
  8. Groundwater Wells Treatment Design CIP for Dieldrin
  9. Waterline Replacement/Tank Repair CIP

**B-3 Gill Breeze Subdivision Water and Sewer RFP-09-ENG-2022**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 9/10/2024		Joseph Calvo	Wastewater CIP
Design and construct a water system, conduct a study to determine the most appropriate wastewater disposal system (private onsite systems or public sewer system), and design and construct the wastewater disposal system.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-09-ENG-2022	In Procurement	7/1/2024	DCA
Construction Management				
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA grants	\$4,000,000.00	
Construction Management			
Construction			

- ACTIVITIES**
1. Completed its evaluation of all proposals received.
  2. Notification letter issued to DCA on 4/24/2024.
  3. Scoping meeting held on May 1, 2024, to address scope questions and/or issues.
  4. Waiting for DCA's fee proposal.
  5. DCA's fee proposal received (6/10/2024)
  6. Preparing to go to July CCU for approval of Scope and Fee (\$3,396,103.00).
  7. Resolution prepared for July but was pulled from agenda pending further negotiations.
  8. After further negotiations DCA provided a supporting narrative explaining why the proposed fee is fair and reasonable.
  9. GWA engineering concurs with the support narrative. Resolution prepared for August.
  10. Phase 4 of OAG's review started 9/6. Deadline for OAG comments 9/20

**B-4 Adacao Water and Sewer Infrastructure Design Services S22-004-ARP**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 9/10/2024		George J. Watson, Joseph Calvo	Wastewater CIP
Evaluate and design water and sewer infrastructure to upgrade water and bring property owners off of septic and onto sewer for the Adacao area in Mangilao, where GWA is observing high Nitrates at 5 production deep wells.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-09-ENG-2022	3/1/2023	12/31/2026	Duenas, Camacho & Associates
Construction Management				
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	American Rescue Plan Act (ARPA) Grant	\$1,164,322.48	90%
Construction Management		\$2,000,000.00	
Construction		\$8,178,602.52	

**ACTIVITIES**

- MOA between GWA and CLTC is signed (5/18/23)
- Designer (DCA) submitted Final Basis of Design and 60% plans and specs (11/21/23)
- Met with BME owners to discuss potential SPS on their property (9/15/23); Confirmed interest, signed Right of Entry agreement with BME to survey lot. GM signed ROE (9/25/23)
- Met w/ BME (1/26/24) to confirm interests and move forward with appraisal. Designer sent survey of BME site for property appraisal; appraisal conducted on 1/30/24; received appraisal report on 3/13/24.
- Worked with Bobbie & DCA to produce letter/proposal for SPS property on BME lot; estimated appraisal value of SPS property at \$59k, but property has a bank lien on it. Received Ownership & Encumbrance Report (5/3/24) and submitting interest letter with report and updated lot map for GM signature (5/7/24).
- Will schedule a meeting with Mangilao Mayor Allan soon to update and plan for town hall meeting for Adacao residents; need to consider the impact of emerging contaminants in wells and upcoming EPA enforcement on contaminants. Looking to 3<sup>rd</sup> party to do public outreach.
- Potential for centralized granular activated carbon (GAC) treatment for wells in Adacao, especially M-4; considering location and wells in the area that need it. Property size needed for centralized GAC treatment system estimated at a ¼ acre lot, but preferred ½ acre.
- Total ARPA funding from Governor’s Office: \$8.7M, with interest now above \$8.9M
- Designer is progressing design to 90% to be completed submitted to GWA July 8, 2024

- Sent first offer letter of \$59K to BME (6/20/24) and received counter offer of \$80K same day; studied cost impacts of moving SPS to a different site, and sent counter offer of \$70K to BME (6/25/24) and BME accepted offer the following day (6/26/24); working to finalize purchase.
- Began discussions with Maria Lewis on utility easement through DOD property and an option for potential GAC treatment site (5/31/24)
- Received change order form designer for additional sewer line design in the area (6/10/2024); negotiated additional scope for CO (\$57K) and now routing for approval (7/3/24).
- Agreed to a fee of \$70,000.00 for purchase of a portion of the BME lot. All signatures obtained and escrow opened on 7/25/24
- Proxy email set up for public to contact if they had questions about the project 7/30/24. DCA began distributing information flyers to the public 8/1/2024
- RFP for PM/CM services produced, to be advertised 8/8/2024
- IFB produced pending bid form and bid set from DCA. Scheduled for advertisement 8/15/2024.
- Bid Set review meeting held 8/27 and 9/3
- Addendum issued for PM/CM RFP to change submission date to 9/13.
- Expected delivery of final plans 9/11.



<a href="#">B-7</a>	<b>Central Guam Reservoirs</b>	<b>W14-006-BND</b>
---------------------	--------------------------------	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/09/2024	Brett E. Railey, P.E.	Garrett K. A. Yeoh	Water
The work to be performed consist of designing and constructing new reservoirs, pipes, vaults, instrumentation, electrical, SCADA system, booster pump stations, pressure reducing valves, and general system upgrades. Sites include Tumon No. 1, Chaot No. 2, Barrigada Hgts (Hyundai), Tamuning (Airport), and Manenggon (Pulantat) Reservoirs, and Barrigada Res BPS, Barrigada Heights BPS, St. John's PRV, St. Vitores Road PRV, A-23 DW, and A-25 DW.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-09-ENG-2014	5/23/2015	12/2024	GHD, Inc.
Construction Management (Tumon, Chaot, Barrigada)	RFP-02-ENG-2017	12/13/2017	Complete	TG Engineers, PC
Construction Management (Tamuning, Manenggon)	RFP-01-ENG-2023	07/07/2023	06/2025	Duenas, Camacho & Associates, Inc.
Construction (Tumon, Chaot, Barrigada)	IFB-09-ENG-2017	02/02/2018	05/2023	AIC International
Construction (Tamuning, Manenggon)	IFB-01-ENG-2023	1/22/2024	06/2025	Core Tech Intl.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	PW 09-11, PW 12-04, PW 12-06	\$3,644,279.00	95%
Construction Management (Tumon, Chaot, Barrigada)	PW 09-11, PW 12-04, PW12-06	\$3,171,745.23	100%
Construction Management (Tamuning, Manenggon)	PW 09-11	\$1,840,912.95	15%
Construction (Tumon, Chaot, Barrigada)	PW 09-03, PW 09-04, PW 09-11, PW 12-04, PW 12-06, SDC	\$22,860,219.00	96%
Construction (Tamuning, Manenggon)	PW 09-11, PW 12-04, PW 12-06	\$34,509,709.25	7%

ACTIVITIES

Design:

- Tumon, Chaot, Barrigada, Tamuning, Manenggon 100% design 08/2022.
- A23/A25 GAC system scheduled to announce IFB on 09/25/2024. USDOJ and USEPA funded. Further design revisions expected to be released as an IFB addendum.

Construction Management:

- RFP-01-ENG-2023 Tamuning and Manenggon Reservoirs: Contract signed 07/07/23. NTP issued 02/19/2024. Work ongoing.

Construction:

- Tumon, Chaot, Barrigada: All tanks completed and in service. Contractor working on final punchlist and close out documentation. Installation of new valve near Holiday Towers and capping of distribution line at A29/A30 is pending GWA operations schedule.
- IFB-01-ENG-2023 Tamuning and Manenggon Reservoirs: Full NTP issued 02/19/2024. Contractor has received clearing/grading and building permit. Contractor mobilized at both sites. Contractor excavating and prepping tank foundation, detention basin, etc at both sites.

[B-8](#)

Design and CM Services for Waterline Replacement of Various Bridges

W22-08-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/06/2024	Brett E. Railey, P.E.	Ernesto L. Villarín	Water
Work will involve design, construction management, and construction/repair of water and sewer lines crossing various bridges.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design/Construction Management	RFP-03-ENG-2023	02/22/2024	February 20, 2025	GHD Inc.
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design/Construction Management	MP-PW-Pipe 12	\$1,356,199.90	7.53%
Construction			

ACTIVITIES

01/31/24 - Design and CM Services contract under processing.
02/02/24 - Letter of award was send to GHD
02/22/24 - Design and CM Services contract was executed.
02/26/24 - Notice to Proceed was issued, kick-off meeting was conducted.
03/06/24 - Consultation meeting with WSP/DPW Engineers, GHD and GWA. Lynden Kobayashi of WSP recommends adding back Aplacho Bridge and Ajayan Bridge to the list of bridges for assessment. These bridges were bid out 3 times the past 10 years but no one responded to the solicitation.
03/26/24 - GHD completed assessment of Agana 1, Asan Inland 2, and Asan Inland 3 bridges.
04/23/24 - Assessment of the 7 additional bridge crossings were completed namely: Bile Bridge, Geus Bridge, Merizo Inland Culvert, Piguam /bridge, Sumay Bridge, Toguan Bridge, and Umatac Bridge.
05/31/24 - Inspection of Water and Sewer line crossings at all 31 bridges/culverts was completed. This will be followed by prioritization for design.
06/18/24 - GHD presented to Engineering the completed assessment of waterline and sewerline bridge crossings. GHD will proceed to design stage on priority crossings that are leaking or badly corroded.
06/27/24 - GHD coordinated a meeting with EonCoat, the pipe coating manufacturer.
07/16/24 - GHD working on BOD and preliminary cost. GHD found 19 additional culverts with pipe crossings that were included in DPW of bridges and culverts. GHD was instructed to proceed with the assessment of additional 19 culvert crossings found.

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
08/05/2024	Brett E. Railey, P.E.	Garrett K. A. Yeoh, Jessey A. Mendiola, Jacob Miller	Water
The work to be performed involves designing, construction managing, and constructing pressure zones, which consists of pressure reducing valves, flow meters, vaults, pipeline, electrical, instrumentation, and SCADA. Design and construction shall be in 5 phases.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design CM (Phase 1)	RFP-03-ENG-2018	08/16/2018	12/2024	GHD, Inc.
CM (Phase 2)	RFP-05-ENG-2022	06/21/2023		AmOrient Engineering
Construction (Phase 1)	IFB-07-ENG-2019	04/21/2020	1/2024	Sumitomo Mitsui Construction
Construction (Phase 2)	IFB-02-ENG-2024			

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design CM (Phase 1)	PW 09-04, PW 09-10, PW 09-11, PW 12-01	\$3,366,996.00	81%
CM (Phase 2)	USEPA-SRF Grant	\$1,688,925.00	0%
Construction (Phase 1)	USEPA-SRF Grant, PW 05-16, PW 12-01	\$6,046,179.63	95%
Construction (Phase 2)	USEPA-SRF Grant		0%

**ACTIVITIES**

Design: Phase 3 design at 75%.
Construction: <ul style="list-style-type: none"> <li>Phase 1: Punch list items. Terao property issues still in discussion with DoD.</li> <li>Phase 2: Bid Opening conducted 07/26/2024. Bid Submittals under review.</li> </ul>

**B-10** Tai Rd./ S-13 and Canada-Toto Lp./Blas St. M19-001BND  
**Waterline Replacement**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/05/2024	Brett E. Railey, PE	Jessey A. Mendiola	Water
Replacement of old waterlines and reconnection of all customer service laterals along Tai Rd., S-13 (a short street off of Tai Rd.) Toto Canada Loop, and Blas Street. Replacement/ reconnection of WL on Taison Rd, off of Toto Canada Loop, has also been added into the project as of CO no. 2.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	Civil/ Structural IDIQ- TO No. 1	1/20/2020	10/2021	HDR Engineering, Inc.
Construction Management	PM/CM Services IDIQ- TO No. 2	5/6/2021	5/2023	Duenas, Camacho & Associates, Inc.
Construction	IFB-02-ENG-2021	5/12/2021	5/22/2023	Giant Construction Corporation

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	Bond 2013 PW 09-03	\$164,310.00	94%
Construction Management	Bond 2020 PW 09-03	\$189,729.00	65%
Construction	Bond 2020 PW 09-03, Bond 2020 MP-PW-Pipe-12, Grant, IFCIP	\$2,966,350.21	90%

**ACTIVITIES**

Tai Rd.: Complete.

Toto Canada Loop: All connections in original scope complete. Pending final work needed for Okso Ashley. TO Amendment No. 1 for HDR Design Services approved on 8/2/24.

Taison Rd.: Complete.

Construction Change Order No. 6 pending. Additional street (Okso Ashley Rd.) needs to be connected to the new 12" on Toto-Canada Loop. Pending amendment to HDR's task order to complete new design and then will need estimates from contractor.

<a href="#"><u>B-11</u></a>	<b>Asan Springs Rehabilitation</b>	<b>W11-003-BND</b>
-----------------------------	------------------------------------	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/09/2024	Brett E. Railey, P.E.	Jessey Mendiola, Ryan Diaz	Water
The work involves designing and modifying the existing spring impoundment, constructing a new chlorination building, installing a new generator and new pumps, and other site improvements.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-11-ENG-2015	8/23/2016	12/2026	HDR

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USDOJ Grant, PW 05-15	\$712,263.00	87.1%

**ACTIVITIES**

Design:

Meeting with NPS to discuss ROW scheduled for 8/8/24.

Prior to NPS ROW agreement, NPS determine a need for GWA to provide a draft operations and maintenance plan with an equipment list, and a boundary survey with legal description done by HDR.

Discussion of design scope modification to include treatment for PFAS and GWUDI ongoing. Awaiting GEPA new GWUDI regulations and cost from designer. Pending additional scope from HDR.

Sequence of events: 1) NPS to issue FONSI, 2) HDR to provide SUP to perform boundary survey of ROW section, 3) GWA to provide draft O&M for NPS decision, 4) review and issue NPS ROW, 5) GWA may bid Asan Spring Construction and chosen Contractor will need to submit a Construction SUP.

**B-12** Groundwater Wells A-02, A-07, A-12, D-05, and F-03 Rehabilitation (Re-bid No. 3) W16-001-EPA

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/09/2024	Brett Railey, P.E.	Ryan Diaz, Garrett Yeoh	Water
The work involves rehabilitating two existing production wells; A-12 and F-03. Existing Wells, A-02 and D-05, are currently not in production, and are included in the work as an additive bid. Other major work involves installing a new standby generator, a new chlorination building, new well equipment, and other site improvements.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-02-ENG-2016	5/26/2016	6/18/2024	AECOM
Construction Management	RFP-06-ENG-2019	12/01/2020	6/18/2024	DCA
Construction	IFB-02-ENG-2023			

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA – SRF	\$1,758,247.00	91%
Construction Management	USEPA – SRF	\$640,248.00	
Construction	USEPA - SRF		

Design: 100% design completed (revision 3) 07/2022.

Construction: IFB-02-ENG-2023 Groundwater Wells A-02, A-07, A-12, D-05, and F-03 Rehabilitation (Re-bid No. 3)

- 11/17/23: IFB issued.
- 02/15/23: No bids received.
- 02/23/23: Post bid surveys sent out to registered bidders. Three firms responded.

Under discussion to re-package bid to include additional wells and well abandonment.

Project on hold until further decision by AGME.

**B-13** ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement W22-05-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
09/06/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consists of design and construction management of asbestos concrete pipe (ACP) waterline replacement island-wide. Work will include development of ACP waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-04-ENG-2022	07/11/2024		GHD, Inc.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA-SRF Grant	\$1,500,000.00	0%

**ACTIVITIES**

CCU Resolution No. 17-FY2023 approved contract fee proposal for \$5,427,000.00.
Agreement and TO-01 executed on 07/11/2024. Kick-off meeting conducted on 08/22/2024.



**B-14** ID/IQ - Design and CM for Waterline Replacement and Upgrades W22-04-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
09/06/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
<p>The work to be performed consist of design and construction management of miscellaneous waterline island-wide. Work will include development of waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data.</p>			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design/Construction Management	RFP-03-ENG-2022			Duenas, Camacho & Associates, Inc.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA-SRF Grant	\$1,500,000.00	0%

**ACTIVITIES**

CCU Resolution No. 19-FY2023 approved contract fee proposal for \$5,973,682.00.
Legal and OAG review of contract documents completed. Pending route through procurement process for signatures.

**B-15** ID/IQ - Design and CM Implementation of District Meter Areas W22-06-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
09/06/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consists of design and construction management of District Meter Areas (DMA). Work will include development of DMA priority list and designs for selected sites. Site prioritization shall be guided by the DMA Implementation plan, operation and engineering input and data.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-07-ENG-2022			Duenas, Camacho & Associates, Inc.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA-SRF Grant	\$1,500,000.00	0%

**ACTIVITIES**

CCU Resolution No. 20-FY2023 approved contract fee proposal for \$3,119,377.00.
Legal and OAG review of contract documents completed. Pending route through procurement process for signatures.

**B-16** ID/IQ - Design and CM Undersized Waterline Replacement W22-03-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
09/06/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
The work to be performed consist of design and construction management of undersized waterline replacement island-wide. Work will include development of ACP waterline replacement priority list and water line designs for selected sites. Site prioritization shall be guided by the Water Resource Master Plan, operation and engineering input and data.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-01-ENG-2022			Brown and Caldwell

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA-SRF Grant		0%

ACTIVITIES
CCU Resolution No. 18-FY2023 approved contract fee proposal for \$2,600,498.00.
GWA Legal revising E-505 documents to address OAG comments.

<a href="#"><u>B-17</u></a>	<b>Santa Rita Springs Rehabilitation</b>	<b>12305</b>
-----------------------------	--	--------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/05/2024	Brett E. Railey, P.E.	Jessey Mendiola	Water

The work to be performed consist of design of the Santa Rita Springs Rehabilitation. Work will include increasing the impoundment, new impoundment roof, chlorination system, pump system and all other site upgrades.

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-06-ENG-2023			
Construction Management				
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA Grant		
Construction Management			
Construction			

**ACTIVITIES**  
 RFP advertised on 7/12/24

Revised scope of work includes PFAS treatment, Santa Rita tank relocation evaluation, GWUDI study and treatment (if needed), and addressing sanitary survey issues.

<a href="#">B-18</a>	Brigade II Booster Pump Station	W11-004-BND
----------------------	---------------------------------	-------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/05/2024	Brett E. Railey, P.E.	Jessey A. Mendiola	Water
Design/ construction of a new booster pump station, to include a new building structure, pump system, electrical system piping instrumentations, SCADA, general site upgrades, and off-site improvements such as new PRV's, valves, and vaults.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-02-ENG-2011	4/5/2012	8/2022	E.M. Chen & Associates
Construction Management	RFP-02-ENG-2022			Duenas, Camacho & Associates, Inc.
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	PW 05-12	\$245,863.20	99%
Construction Management			
Construction			

ACTIVITIES
<p>Design: 100% design completed 8/2022. COP 6 paid out.</p> <p>Construction: Pending funding availability. Funding was reallocated to CO projects.</p> <p>CM: Pending funding availability. Funding was reallocated to CO projects.</p>

**B-19** New Well Construction (AG-10, AG-12, Y-08)

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/05/2024	Brett E. Railey, P.E.	Jessey A. Mendiola	Water
Design and construction of three new production wells (AG-10, AG-12, Y-08).			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-01-ENG-2010	5/5/2011		GHD, Inc. (Formerly Winzler Kelly)
Construction Management	PM/CM Services ID/IQ			Duenas, Camacho & Associates, Inc.
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	PW 05-13, PW 05-14, Bond 2016 PW 09-02	\$1,203,308.00	86%
Construction Management			
Construction			

**ACTIVITIES**

Design: Design in progress to be consistent with Groundwater Wells A-02, A-07, A-12, D-05, and F-05 Rehabilitation (Project B-12). Pending decision on Rehab Well project on next steps for well projects due to no construction bidders.

Pending further decision by the AGME.

**B-20 Northern and Southern Guam Reservoirs W14-007-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
08/09/2024	Brett Railey, P.E.	Garrett K.A. Yeoh	Water
The work to be performed consist of designing and constructing new reservoirs, pipes, vaults, instrumentation, electrical, SCADA system, booster pump stations, pressure reducing valves, and general system upgrades. Sites include Santa Rosa No. 2 (SR), Santa Rita (SRI), Sinifa No. 2 (SIN), Inarajan, and Ugum No. 2 Reservoirs, and Santa Rosa, Agfayan, and Inarajan BPS's, and miscellaneous pressure zones pipeline work.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-09-ENG-2014	05/23/2015	06/2024	TG Engineers, P.C.
CM (SR, SRI, SIN)	RFP-06-ENG-2017	04/02/2018	04/2023	GHD, Inc.
CM (Ugum No. 2)	RFP-04-ENG-2023	12/01/2023		GHD, Inc.
Construction (SR, SRI, SIN)	IFB-01-ENG-2019	09/30/2019	12/2023	AIC, International
Construction (Ugum No. 2)	IFB-06-ENG-2023	02/03/2024	07/2025	AIC, International

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	PW 09-11	\$3,992,595.20	91%
CM (SR, SRI, SIN)	PW 09-11	\$6,387,678.96	94%
CM (Ugum No. 2)	PW 09-11	\$1,514,701.00	14%
Construction (SR, SRI, SIN)	PW 09-03, PW 09-04, PW 09-11	\$27,356,044.61	74%
Construction (Ugum No. 2)	PW 09-11, PW 11-02	\$22,834,768.00	1%

**ACTIVITIES**

<p>Design:</p> <ul style="list-style-type: none"> <li>Santa Rosa, Santa Rita, Sinifa, and Ugum No. 2 100% design completed. Inarajan and Agfayan BPS design ongoing (pending property acquisition for Agfayan).</li> </ul> <p>Construction:</p> <ul style="list-style-type: none"> <li>Santa Rosa, Sinifa, Santa Rita: Santa Rosa No. 2 and Sinifa No. 2 reservoirs completed and in service. Santa Rita tank work halted due to uncertainty of the slope failure and high cost for slope stabilization and waterline, electrical, earthwork, roadway realignment. Santa Rita storage will move to Sinifa site. Hydraulic report prepared by B&amp;C validated storage requirements. Santa Rosa Reservoir: Contractor is working on the booster pump station and generator building. Sinifa Reservoir: Contractor is finalizing punch list, preparing close out documents for Substantial Completion.</li> <li>Santa Rosa No. 1 and Sinifa No. 1 steel tanks change order for major repair have been issued. Repair work ongoing at both sites.</li> <li>Ugum No. 2 Reservoir: Full NTP issued on 02/19/2024 for both Contractor and Construction Manager. Permitting phase. Pre-construction meeting was held on 03/22/24 attended by GWA, GHD, AIC, and subcontractors. A meeting was held at DLM office on 3/29/24 regarding building permit issue. DLM looking for documentation that agricultural land purchased by GWA from private individuals were converted to public land use</li> </ul>
--

through legislation. In a follow-up email from AGME to DLM on 4/29/24, DLM Planning Division responded that draft response has been prepared and sent to DLM Director for review and action. Contractor is in the process of submitting product submittals, shop drawings, RFI etc. Building permit still pending at DLM as of 05/31/2024. DLM approved and released on 06/13/24, both grading-clearing and building permits. The permits approval is now pending at GEPA.

GEPA approved both Clearing/Grading and Building permits 07/10/24. Both permits were submitted to DPW on 07/11/24. Submitted documents were lacking Traffic Control Plan required by DPW. TCP was provided by EOR and submitted to DPW on 7/18/24. DPW permits still pending.



**B-21 Tank Repair/Bypass W19-003-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
08/09/2024	Brett E. Railey, P.E.	Garrett Yeoh, Ryan Diaz	Water
The work to be performed consists of installing bypass piping, valves, etc. ahead of tank inspection. The operation of the bypass will allow the API inspectors and structural engineer to determine appropriate repairs after which the contractor will proceed to repair the tanks.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-03-ENG-2008	8/1/2008	12/2023	Duenas, Camacho & Associates, Inc.
Construction Management	RFP-04-ENG-2019	6/17/2019	10/2023	Duenas, Camacho & Associates, Inc.
Construction	IFB-06-ENG-2019	4/21/2020	10/2023	AIC International

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	Bond 2005, Bond 2010	\$1,291,799.91	100%
Construction Management	PW 09-11, MP-PW-Tank-22, MP-PW-Tank-23	\$897,077.00	40%
Construction	PW 09-09, PW 09-11, PW 12-05, SDC	\$14,022,773.57	79%

- ACTIVITIES**
- Agat Umatac: 07/18/22 in service.
  - Yigo No. 3: 08/08/22 in service.
  - Windward Hills: 05/17/23 in service.
  - Astumbo No. 1: Welding works on tank closure. Disinfection scheduled for week of 07/08/24.
  - Malojloj: Inspection completed. Tank to be placed online week of 08/12/24.
  - Umatac Subdivision: Pending permit to start work. Pre-install meeting conducted.
  - Santa Ana: 11/21/23 in service.
  - Upper and Lower Nimitz: Operations to place Lower Nimitz tank online 08/09/24. Upper Nimitz to start after Lower Nimitz has been placed online.
  - Pigua: Interior coating. Contractor has found cracks on a lower shell plate. API has inspected the tank after sand blasting. API has recommended to replace course 1, 2 and portions of course 3 tank shell walls. Structural engineer will present an option to repair the shell wall with patch plates in lieu of replacement. Contractor to submit cost for the two options. Cost for shell replacement has been submitted at \$880K. Designer is looking into derating the tank to reduce cost. Contractor working on cost proposal for derating tank. Contractor submitted Option 3 – tank derating in the amount of \$575K. Option 2B and 3 under review by engineering.
  - Kaiser: Interior coating ongoing.

**B-22 Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II S15-002-EPA**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		Brown and Caldwell	Wastewater CIP
<p>The gravity sewer main between Asan and Hagatna had deteriorated and required rehabilitation and replacement. The project involves the rehabilitation, repair, or replacement of approximately 1,700 linear feet of gravity sewer along Route 1 by Adelup and over 6,900 linear feet of gravity sewer in Hagatna. Wherever possible, cured-in-place-pipe was used to avoid trenching, which minimizes impacts to motorists and reduces construction timeframes.</p>			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-02-ENG-2015	12/10/2015	12/2023	HDR Inc.
Construction Management	RFP-04-ENG-2017	7/31/2018	12/2023	Duenas, Camacho & Associates, Inc.
Project Management	PM/CM Services ID/IQ - TO No. 3	1/17/2020	12/2023	Brown and Caldwell
Construction	IFB-06-ENG-2020	1/22/2021	12/2022	Core Tech – Hawaiian Dredging, LLC

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	SRF Grant	\$1,999,246.38	100%
Construction Management	SRF Grant, M 96902617-3 & M 96902619	\$1,557,671.45	100%
Project Management	SRF Grant, M 96902619 & M 96902621	\$617,485.00	100%
Construction	SRF Grant, M 96902619	\$8,631,013.16	100%

**ACTIVITIES**

<p>Construction completed. Project manager to submit final records to GWA. Following up on final turnover items.</p>
--

**B-23 Southern SSES Sewer Rehabilitation Phase II S15-001-EPA  
(Baza Gardens – Santa Rita – Talofoto)**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		Brown and Caldwell	Wastewater CIP
Rehab and/or replacement of old sewer lines to resolve I/I issues in the Southern wastewater collections system, in particular in Baza Gardens, Talofoto, and Santa Rita.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Construction Management	PM/CM Services ID/IQ- TO No. 4	1/17/2020	12/2023	Brown and Caldwell
Construction	IFB-04-ENG-2016	7/29/2016	12/2023	ProPacific

PHASE	FUNDING SOURCES	COST	% COMPLETE
Construction Management	SRF Grant, M 96902619	\$546,618.00	100%
Construction	SRF Grant, M 96902617-3	\$1,189,815.00	100%

**ACTIVITIES**

Construction completed. Project manager to submit final records. Following up on final turnover items.
--

<a href="#"><u>B-24</u></a>	<b>Tamuning Hot Spots Sewer Line Rehabilitation and Replacement (Base Contract)</b>	<b>S16-003-EPA</b>
-----------------------------	---	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		Gerald N. Gattoc	Wastewater
Sewer rehabilitation for lines at Winner Apartments, Segundo Leon Guerrero, and New Plaza Market behind GPO.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-06-ENG-2016	9/8/2016	10/2017	TG Engineers
Construction Management	RFP-04-ENG-2018	2/8/2019	12/2020	AmOrient Engineering
Construction	IFB-06-ENG-2018	1/10/2020	12/2020	Ian Corporation

PHASE	UNDING SOURCES	COST	% COMPLETE
Design	SRF Grant, M 96902611-5	\$663,629.00	90%
Construction Management	SRF Grant, M 96902617-2	\$386,521.80	100%
Construction	SRF Grant, M 96902617-2	\$1,183,786.08	100%

**ACTIVITIES**

All construction for the base contract has been completed and final invoices have been processed. A design contract change order will be drafted to identify an active funding source (USEPA grant) to cover construction support for the construction additives that were not included in construction contract.

Working to closeout CM contract; sent letter requesting Release of Claims from CM, along with a Notification of Project Closeout on 7/5/24 giving AmOrient 30 days.

**B-25 Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation S18-001-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		George J. Watson	Wastewater
Evaluate and design flood mitigation and rehab needs for Yigo SPS, and install/construct design per plans and specs.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-01-ENG-2018	07/31/2018	03/2024	AECOM
Construction Management	RFP-04-ENG-2019	07/20/2021	03/2024	Duenas, Camacho & Associates, Inc.
Construction	IFB-01-ENG-2021	04/26/2021	03/2024	IAN Corporation

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	Bond 2016 WW 09-01	\$247,252.63	98%
Construction Management	Bond 2016 WW 09-01	\$96,754.00	70%
Construction	Bond 2020 MP-WW-Pump-01	\$1,198,127.89	85%

**ACTIVITIES**

CO#1 negotiated time extension (479 days) w/ Contractor's special damages (\$8,360.00) due to delays (110 days). CO#2 for time extension approved (6/20/23).

CO#3 for work and time from Typhoon Mawar (\$14,753.48 and 30 days) signed by Legal (9/7/23) and pending Finance approval. CO#4 to include materials to repair High Level Alarm Panel, which is required for the SCADA. Awaiting the cost of replacing High Level Alarm Panel (HLAP). SCADA programming will be scheduled when high level alarm panel parts are received (the subcontractor is based in Hawaii). CCU approved the contract cost increase for CO#3 and 4 (11/28/2023). CO#3 signed by GM and forwarded to Contractor (1/17/24).

Initial cost for CO#4 came in at \$272K (1/16/24) and discussed with CM (1/17/24) numbers and reasons for cost. Asked contractor to provide a detailed cost breakdown, and JMI estimate came in at \$174,504.00 before any main contractor markup or labor is included (2/20/24). Met with IAN (4/4/24) and latest proposal is \$78,823, but still needs additional refining and encouraging IAN to contact MCS for programming. Met with IAN and MCS to discuss HLAP, and MCS visited site to determine needs for panel. After further negotiations, IAN submitted proposal for CO#4 work at \$69,998.39 (6/7/24). Producing CO#4 approved (8/5/24) and IAN given notice to move forward with CO work (8/6/24).

Contractor remaining work: Punch list items, float controls, and safety painting of toe-kicks and overhead beams. Note, punch list electrical items will require contractor to replace fixtures that do not meet requirements. The punch list item replacements could possibly delay final closeout if materials are not available.

**B-27**      **Fats, Oil, Grease Receiving Station**      **S23-01-EPA**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		George J. Watson	Wastewater
Design of a Fats, Oil, and Grease (FOG) receiving station to be located at the Northern District Wastewater Treatment Plant (NDWWTP). A FOG treatment facility is needed to support GWA's FOG program, to prevent FOG discharge into the wastewater collection system.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-05-ENG-2023	In Procurement		Duenas, Camacho & Associates, Inc.
Construction Management				
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA grants	\$1,430,527.72	0%
Construction Management			
Construction			

**ACTIVITIES**

The Request for Proposals was issued on April 28, 2023 and closed on May 30, 2023. Negotiated costs. Original draft cost proposal with initial scope at \$3,492,095.32 (10/30/2023). After further negotiations and adjustment to scope, final cost proposal at \$1,430,528 (4/9/2024) and submitted to CCU for approval. CCU approved final cost proposal (4/29/2024); in procurement contracting. Approved by AGME (6/20/24) and Legal (7/2/24); now with GM for approval.

Tentative kick-off meeting on week of 8/19/24, assuming NTP before hand.

**B-28**      **Tumon & Tamuning Hot Spots**      **S16-001-EPA**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 9/10/2024		Joseph Calvo	Wastewater
Sewer rehabilitation for sewer line between Holiday Resort and Guam Hyatt Hotel.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-01-ENG-2016	6/24/2016		TGE
Construction Management	RFP-04-ENG-2019	8/6/2024		B&C
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA grants	\$572,089.00	Design 100%, construction support pending
Construction Management	USEPA grants	\$259,941.38	
	USEPA grants	\$8,248,000.00	

**ACTIVITIES**

The design has been completed. Designer is conducting a review and familiarization of design in preparation of rebid for construction by September.

Construction Management is being handled through the Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement.

Met with TGE 7/18 to discuss project objectives and timelines. Began sending GWA standardized specs to TGE for their review for incorporation into the project.

NTP for B&C Task Order 1 to complete a constructability review and provide CM services for the project on 8/6?

Revised specifications submitted 9/6 and transmitted to B&C. Expected delivery of constructability review 9/20.

**B-29**      **Dungca Beach Sewer Line Relocation**      **S20-001-EPA**

PDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 9/10/2024		Rylma Nida A. Carino (PM)	Wastewater
<p>The existing 8-inch diameter Asbestos Cement Pipe (ACP) Sewer along Dungca Beach is among the oldest in GWA's wastewater collection system. GWA Operations conducted CCTV investigations on a limited number of existing sewer lines in the Dungca Beach area. CCTV records showed substantial deterioration in the ACP sewer line which may have reached the end of its service life. A new sewer line along the right of way will be installed and customers will be connected to the new line.</p>			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-01-ENG-2020	4/26/2021	7/2024	GHD
Construction Management (CM)				AECOM (ID/IQ)
Construction			4/2026	

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA Grant	\$633,625.75	90%
Construction Management			
Construction			

ACTIVITIES
<p><b>Phase I- Trankilo Street</b></p> <ol style="list-style-type: none"> <li>1. GHD received the 90% Constructability review and incorporate into 100% design</li> <li>2. Change Order#2 done with the cost negotiation. The amount was requested for approval from USEPA (Tom Konner)</li> <li>3. The CCU Resolution to be requested for approval this September to the Board</li> <li>4. A meeting with SHPO (Dr Peterson) on 8/30. GWA will prepare a letter to SHPO describing the project details with attached maps indicating the project area along with the Memorial site.</li> </ol> <p><b>Phase II Lagoon Drive</b></p> <ol style="list-style-type: none"> <li>a) 60% design accomplished.</li> <li>b) GWA is pursuing purchase of an easement along Lagoon Drive, which is pending discussions with lot owners. GWA is pursuing a lot acquisitions for a new lift station. A Letter of Interest was sent to the Lot Owner and a response was not received.</li> </ol>



<a href="#">B-30</a>	Fujita Sewage Pump Station Redundant Force Main	S20-003-EPA
----------------------	---	-------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		George J. Watson	Wastewater CIP
Designer to identify redundant force main options for the Fujita SPS and provide design for selected option.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-03-ENG-2020	10/5/2022	12/2024	AECOM
Construction Management				

Construction				
--------------	--	--	--	--

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA Grant Nos. M 96902619 & M96902621	\$1,601,599.29	17%
Construction Management			
Construction			

**ACTIVITIES**

Designer’s force main (FM) assessment expert conducted corrosion assessment on exposed locations of FM (4/25/23) as part of the first step in assessing the existing FM; Draft assessment report submitted to GWA for review (9/15/23) and final FM Assessment report to be submitted (3/10/24).

Geotech to complete 13 borings along FM route in preparation of new FM design. Archeological monitoring required for boring locations submitted to SPHO (2/12/24); SHPO acceptance response received (2/20/24). Final revised AMDP to be submitted to SHPO by week of 4/8/24. Boring to be conducted once final permitting completed; estimated to start end of April or beginning May.

Expanded SOW to include Fujita SPS rehab work to Designer for review (3/27/23). Designer submitted cost proposal for expanded scope (11/9/23). The final scope and fee approved by CCU (11/28/23). CO#1 (expanded SOW) submitted by Designer (12/12/23) and executed on 1/2/2024. SPS Structural and Electrical assessment team arrived on island for SPS assessment on 2/19 – 2/22/24 and completed the initial assessment for structural and electrical; Civil and mechanical team conducted assessment week of 3/18/24. Designer submitted CO#2 (6/3/24) for review (in progress); cost of \$25,204.44. Includes drilling into old Tumon PS (Fujita) and assess possibility of using old PS as part of upgrade, as well as additional basis of design for Tumon PS to be used assuming it is structurally sound. Requested Designer include some additional funding for design after BOD (6/27/24); expecting updated Scope and Fee by 8/8/24.

<b><u>B-31</u></b>	<b>Hagatna Main Sewage Pump Station Redundant Force Main</b>	<b>S20-002-EPA</b>
--------------------	--	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		George J. Watson	Wastewater CIP
Designer to identify redundant force main options for the Hagatna Main SPS and provide design for selected option and pump station rehabilitation.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-02-ENG-2020	4/7/2021	12/2024	GHD
Construction Management				

Construction			
--------------	--	--	--

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	USEPA Grant No. M 96902619, M96902623-1	\$1,359,089.79	31%
Construction Management			
Construction			

**ACTIVITIES**

Initial design intention: single redundant force main (FM) design using directional drilling and subsequent assessment/rehabilitation of existing FM. 30% design level 2 cost estimate was \$32M to \$35M, more than \$20M from previous estimates. The General Manager (GM) directed to pivot design to rehabilitate the existing FM, potentially using pipe bursting or lining to reduce costs. 60% design cost estimates for a single FM ranged from \$17.7 to 20.6M. 60% design received (6/19/23) and met with GM to discuss cost and potential alternatives (7/6/23). Met with Designer to discuss and direct pivot to look at rehabilitation methods of current FM (7/7/23) and met again (9/1/23) to further refine expectations. Met with Designer (10/3/23) to discuss revised pivot scope and fee, in addition to SPS scope and fee. Final revised scope and fee received (11/8/23).

Submitted expanded scope of work of Hagatna Main SPS rehabilitation work to Designer for cost proposal on 3/27/23 and negotiated costs. Final scope and fee for the FM design pivot and SPS assessment received (11/8/23); CCU approved scope and fee (11/28/23). CO#1 (revised scope and fee) submitted by Designer (12/12/23), signed by Legal (12/27/23), approved by GM and forwarded to Designer (1/8/24). SPS assessment team conducted assessment week of 2/5/24; completed an initial structural, civil, electrical assessment of SPS, and now working on a report and gathering additional information for design. Designer submitted Flow Analysis TM (3/8/24) discussing initial thoughts; met with Consent Decree team (4/2/24) to discuss options. Moving forward with SPS design at a max of 16 mgd (3 pumps) for wet weather, and average daily of 7.5 mgd. Received draft design SPS assessment on 7/12/24, along with update schedule. GHD moving forward with Basis of Design; expected draft BOD by end of August.

**B-32 Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis S20-004-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		George J. Watson	Wastewater CIP
Analysis and evaluation of Hagatna WWTP causeway bridge and facility structural integrity.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-08-ENG-2021	4/2/2021	12/2024	Duenas, Camacho & Associates, Inc.
Construction Management				
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	Bond 2020 MP-Gen-Misc-05	\$180,499.00	30%
Construction Management			
Construction			

**ACTIVITIES**

<ul style="list-style-type: none"> <li>• DCA submitted subcontractor cost proposal for \$86K for structural analysis for mechanical, electrical, and architectural assessment (01/06/23); Change Order (CO) 1 signed by DCA and GWA Engineering, and routed for GM signature (3/14/23).</li> <li>• GM directed to exclude mechanical assessments; DCA resubmitted proposal w/out mechanical (4/26/23) for total cost of \$65.7K.</li> <li>• Updated CO1 sent to DCA for signature (4/27/23), and received revised CO back from DCA for processing (5/15/23); received comments from Legal (7/24/23), and signed by Legal (7/28/23), Finance (8/17/23), and approved by GM (8/18/23).</li> <li>• DCA working on path forward on causeway, CO work, and additional scope for to include potential assessment on clarifiers, bypass on causeway, and SCADA/interim communication for Hagatna Main SPS.</li> <li>• Additional discussion with DCA on a SCADA assessment and design for the WWTP to help with alarms and alerts, and site visit (2/13/24) to walk with DCA and review current system. DCA submitted draft SOW for SCADA (3/5/24) for review. Additional site walk through with DCA/MCS and GWA (5/17/24); MCS requested additional site visit (7/3/24) to finalize scope and fee.</li> <li>• GWA reviewing SCADA/Interim communication scope; DCA finalized cost for SCADA/Comms scope at \$761,672.00 (7/24/24) as CO2; submitted for approval on 8/5/24.</li> <li>• DCA revising additional scope for causeway and WWTP (clarifier, screening, &amp; mechanical rehab) site assessment and design; will be CO3.</li> </ul> <p>Considering options for causeway rehabilitation.</p>
---

<a href="#"><u>B-33</u></a>	<b>Hagatna Wastewater Treatment Plant Interim Disinfection</b>	<b>S19-001-BND</b>
-----------------------------	--	--------------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024			Wastewater CIP
<p>The project is a feasibility and pilot study for the use of an interim disinfection process including development of a proposed feasibility and pilot study work plan, wastewater characterization analysis and effluent quality analysis, dosing and concentration analysis, bench and pilot scale testing, chemical sourcing, transport and storage analysis, and development of detailed technical report documenting the findings and recommendations on the implementation of peracetic acid (PAA) interim disinfection.</p>			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-01-ENG-2019	7/25/2019	2/15/2021	Duenas, Camacho & Associates, Inc.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	IFCIP	\$736,265.92	75%

**ACTIVITIES**

Chemical enhanced primary treatment (CEPT) optimization and PAA disinfection bench scale study was completed in 2019 and documented through a 7/12/2019 technical memo (TM). The TM identified repairs necessary to implement a full-scale PAA pilot project.

Contract amendment #1 was to include a life cycle analysis on PAA and UV disinfection options covering a 20-year life cycle cost, repair of flocculation tank mixers, coagulant manifold, influent flow meter, effluent isolation gate, digester, and clarifier. The repairs are needed for full-scale plant bench testing for a 1-week period.

Contract amendment #2 was to include parts for clarifier repairs, as proper clarifier operations were needed for the pilot project.

The full-scale plant bench testing was completed in 2021 and a meeting with GWA and DCA was held on 3/9/2022. GWA was to determine long-term plans for the HWWTP, which includes considerations for climate change impacts. A Water and Environmental Research Institute's 4/30/2022 "Impact of Climate Change on Guam Waterworks Authority Infrastructure" advisory paper projected a 1-foot sea level rise by the year 2050. The long-term plans for the HWWTP will be addressed under a study.

The technical memo for the interim disinfection project will be finalized and the project 3<sup>rd</sup> quarter of 2024.

<a href="#">B-34</a>	<b>Aplacho Drainage and Roadway Improvements</b>	<b>22202</b>
----------------------	--	--------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 9/10/2024		Rylma Carino	Wastewater
<p>The Aplacho Drainage and Roadway Improvements project will provide subterranean drainage along the crossroad extend the drain to daylight and harden with concrete headwall. The roadway will be rehabilitated due to the seepage of water during the rainy season.</p>			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Conceptual Design	N/A	03/2022	08/2022	DPW
Construction Management	N/A			GWA/Internal CM
Construction	IFB -07-ENG-2023	TBD	TBD	GWA

PHASE	FUNDING SOURCES	COST	% COMPLETE
Conceptual Design			N/A
Construction Management			N/A
Construction	WW 11-03 2016 Bond and MP-WW-Pump-01	\$1,053,819.91	0%

- ACTIVITIES**
1. Permit application and construction bid plans routed to GEPA. The required certificate training for Soil and Erosion Control was submitted. GEPA is waiting for the additional documents from the contractor (EPP plan and stormwater calculations)
  2. The contractor submit initial submittal for GWA 's review and approval today 09/10/2024
  3. Pre -Construction meeting will be scheduled once the permit application approved.

**B-35 Indefinite Delivery-Indefinite Quantity S22-002-BND  
Islandwide Sewer Collection/Transmission  
System Repair, Rehabilitation, and  
Replacement**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		George J. Watson	Wastewater CIP
IDIQ to provide GWA with ability to design, manage, and address wastewater repairs, rehabilitation, and replacements within our sewer collection/transmission system.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Project/ Construction Management	RFP-06-ENG-2022	06/2024	n/a	AECOM
Project/ Construction Management	RFP-06-ENG-2022	In Procurement	n/a	Brown and Caldwell
Design/Build Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
PM/CM, AECOM	GWA Bonds, USEPA SRF Grants, SDC	\$938,097.04	0%
PM/CM, Brown and Caldwell	GWA Bonds, USEPA SRF Grants, SDC	\$989,532.00	0%
Design/Build Construction			

- ACTIVITIES**
- Completed selection of two A/E firms for PM/CM (AECOM and BC) on 11/10/22; completed negotiation with AECOM and BC on respective TO No. 1.
  - TO No. 1: BC sent updated fees (4/4/24); AECOM signed the agreement and TO No.1 on 3/8/24; routed for GWA processing. AECOM agreement sent to AG's office for review (4/4/24); AGs commented and Legal responded (4/26/24). AGs office agreed with responses. Revise Agreement and TO1 reviewed and signed by both AECOM (5/21/24) and BC (5/28/24). No CCU approval needed.
  - AECOM Agreement/TO1 hard copy routed for approval, with OPC routing to follow later; both hard copies (Agreement/TO1) signed by GM on 6/26/24 and NTP signed by AECOM for 7/1/24.
  - BC Agreement/TO1 hard copy routed for approval; GM approved (7/12/24). Insurance documents received and NTP on 8/7/24.
  - Negotiating scope for TO No. 2 for both AECOM and BC for CCTV work, and design of high priority gravity mains per CD, to include Capacity Assurance Projects and acute defects, as well as assistance with producing reports for EPA; expect to be seeking CCU approval in September.
  - GWA Engineering producing ID/IQ RFP for Design-Build (DB) Contractor(s); looking to advertise for ID/IQ DB RFP before end of year, pending execution of ID/IQ PM/CM agreements and supporting task orders.

**B-36** Groundwater Production Meter Replacement W19-001-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/31/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
The project will replace the above-ground discharge piping and meters at 30 existing deep wells located in different parts of the island. An additional 15 deep wells will be added through an executed change order.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	PMO Facility Plan 2016	9/22/2017	10/2018	Brown and Caldwell
Construction Management			3/2023	GWA
Construction	IFB-05-ENG-2019	4/29/2020	3/2023	Giant Construction Inc.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design			100%
Construction Management			100%
Construction	Bond 2013 PW 05-07	\$ 142,053.65	100%
	Bond 2016 PW 05-07	\$1,250,000.00	100%
	Bond 2020 MP-PW-MISC-02	\$ 641,896.46	100%
	SDC	\$ 151,207.27	100%

**ACTIVITIES**

Activities leading up to December 30, 2023 are briefly described in prior monthly reports.

12/30/2023	Ordered batteries has not arrived as scheduled. Contractor following-up.
01/31/2024	Contractor advised that ordered batteries arriving 02/03/2024.
02/16/2024	Contractor checked the following deep wells: D-24 – Battery voltage was very low. Found water inside meter housing caused by condensation. After cleaning and replacing the old batteries with new batteries, the meter worked. D-19, Battery voltage readings were normal but found water inside the meter housing. After replacing electronic module, the meter worked. M-17B – Battery voltage was very low. Batteries, electronic module, and display module were all replaced and the meter worked. A-08 – Meter was not working. Battery voltage was normal. After replacing the electronic module, the meter worked.



02/20/24	Contractor ordered 4 battery sets for replacement to dead batteries. These batteries will come from Switzerland shipped to US and then Guam. Because on restrictions on shipping of lithium batteries, arrival is estimated by May 2024.
04/30/24	Contractor updated its estimated delivery of ordered parts as May 30, 2024.
05/30/24	Ordered meter batteries arrived. Batteries for deep wells M-05 and M-17A are scheduled to be replaced 06/04.24.
06/05/24	Contractor received and installed ordered batteries for deep wells M-17A and M-05. The meter display worked after installation of batteries. All deficiencies have now been corrected.
07/31/00	A follow-up was sent to Contractor asking to submit the remaining closeout documents (as-built drawings were submitted 05/02/23).
08/31/24	Remaining closeout documents still outstanding.

**B-37 Ugum Water Treatment Plant Rehabilitation W22-10-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
As of 08/31/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
The project involves the rehabilitation or upgrades to the raw water pumps at the river intake, settling basins, membranes, pipe gallery, generator room, backwash, neutralization tank, sludge tank, thickening system, operations and chemical building, and administration building to improve plant capacity, treatment performance, and provide reliable operation of the water treatment plant.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Assessment of WTP	Task Order No. 3 IDIQ PM/CM	07/06/2021	04/2022	Duenas, Camacho and Associates, Inc.
Construction Management	Task Order No. 3 IDIQ PM/CM		04/05/2025	Duenas, Camacho and Associates, Inc.
Construction	IFB-05-ENG-2023	02/05/2024	04/05/2025	SMCC

PHASE	FUNDING SOURCES	COST	% COMPLETE
Assessment of WTP	MP-PW-SWTP-03	\$173,490.00	100%
Construction Management	MP-PW-SWTP-03	\$ 89,114.00	10%
Construction	2010/2013/2020 PW 09-01 2016 WW 11-03 2020 MP-PW-SWTP-02 2020 MP-PW-SWTP-03 EPA Grant M96902621	766,129.23 1,798,477.47 1,174,000.00 887,396.00 3,847,050.00	0%

**ACTIVITIES**

Activities leading up to 01/31/2024 are described in prior monthly reports.	
01/31/2024	Contract was fully executed. Notification of award to be posted to GWA website before issuance of NTP.
02/05/2024	Notice to Proceed with 425 calendar days to complete substantial completion.
02/08/2024	Pre-construction conference was conducted. Contractor submitted preliminary Construction Schedule for the first 60 days, preliminary Schedule of Submittals, preliminary Schedule of Values, and preliminary Critical path and Sequencing.
02/15/2024	Meeting with CM and Contractor. Discussed additional items requested by Operations and Electrical.

02/20/2024	Contractor visited the project site to assess the additional items requested by Operations to be included to the project as possible change order.
03/2024	Contractor submitted building permit to DPW but the application was not accepted. DPW requested PE stamped drawings despite the project called for replacement of parts only.
03/06/2024	CM was requested to submit fee proposal for PE stamped drawings as required by DPW.
03/21/2024	CM submitted the requested fee proposal. It involves the scope of work for dredging the river intake and the hardening of access road adjacent to riverbank, PE stamped drawings and permit support.
04/30/2024	Contractor continues to work on material submittals while stamped drawings for permit are being worked out.
05/31/2024	About 70% of the material submittals have been approved and ordered.
06/25/2024	Amendment No. 1 to DCA Task Order No. 3 has been approved through Oracle.
06/28/2024	Engineering and Operations met with DCA and its mechanical subconsultant. Proposed changes to Consultant's scope of work were discussed. Scope to include work that will address GEPA's 2024 significant deficiency findings in the treatment plant.
07/26/2024	Meeting with GM, AGME, AGMC&S, Senior Engineer Supervisors, Project Manager, O&M Water Production Manager, Ugum WTP Leader, and the CM about the improvements to Operations/Chemical Building that will address GEPA's deficiency findings. The group agreed on the option to take.
07/31/2024	Engineering commenced the preparation of the Operation/Chemical Building drawings that would show the proposed improvements.
08/31/2024	Processing review of product submittals. Magnetic flow meters and container location accepted. Schedule will be impacted due to delay on pump delivery. Contractor proposed a pump substitute, pending acceptance.

<a href="#">B-38</a>	<b>Design-Build of Pago Bay 12-inch Waterline Replacement</b>	<b>12303</b>
----------------------	---	--------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/31/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
<p>The project will complete the conceptual design prepared by GWA Engineering, structural integrity assessment of the bridge wall that will support the replacement waterline, installation of 12-inch ductile iron waterline including pipe supports, pressure testing and disinfection of new waterline, reconnection to existing waterlines, asphalt pavement restoration, disposal of existing damaged 12-inch waterline, and condition assessment of existing 16-inch waterline hanging under the Bridge.</p>			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design-Build (Construction)				
Construction Management				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design-Build (Construction)	Bond 2010 PW 11-01	\$25,114.00	
	Bond 2010 PW 09-06	\$62,498.00	
	Bond 2020 MP-PW-Pipe-10	\$200,000.00	
	Bond 2020 MP-PW-Pipe-11	\$200,000.00	
	Bond 2020 MP-PW-Pipe-12	\$12,388.00	
Construction Management			

ACTIVITIES	
02/28/2023	Engineering sent a follow-up email to Finance inquiring the status of budget transfer request.
03/15/2023	Received message from Finance that budget certification is under review.
04/06/2023	Funding certification was approved and signed by GM.
04/17/2023	Updated Front End Documents was transmitted to Josephine for transmittal to Legal.
6/30/2023	Updating Front End Documents based on feedback from Legal Office.
08/02/2023	Review and edits of the technical specifications, conceptual plans and front end documents are work in progress.
08/28/2023	Routed the project Front End Documents to Engineering/Planning Section for review.
09/29/2023	Engineering and Legal discussed the front-end documents for a Design-Build solicitation.

10/29/2023	The documents are with Legal for review. Review and apply the EJCDC D-520 Owner-Design Builder Agreement for this design-build project is in progress.
12/30/2023	Review of EJCDC D-520 Owner-Design Builder Agreement still pending.
03/25/2024	Reviewed with AGME and Sr Engineer Supervisor the General Conditions – Design Builder, EJCDC D-700.
04/30/2024	Review of the General Conditions – Design-Builder, EJCDC D-700 still in progress.
05/31/2024	Draft revisions to EJCDC General Conditions (D-700) and Supplementary Conditions (D-800) are > 90% complete.
06/26/2024	Completed revisions to EJCDC General Conditions (D-700).
07/2024	Received comments from AGME to move the terms and conditions, which are standard and common to CIPs, from D-800 to D-700.
08/18/2024	Submitted revised drafts of D-700 General Conditions and D-800 Supplementary Conditions for AGME review.

**B-39 Current Balancing Unit for Deep Well A-09**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/31/2024	Barbara Ann C. Cruz, P.E.	William F. Esteves	Engineering Support

The project is a pilot project to install and evaluate the effectiveness of a Current Balancing Unit (CBU) for a GWA deep well. Current imbalances on the power supply to a 3-phase electric motor can cause the motor to overheat and shorten its life expectancy. The wells are operated by 3-phase electric motors. In its product literature, the CBU will monitor and automatically adjust the 3-phase currents to minimize the current imbalance to 3% or less. The CBU is also expected to accommodate wide fluctuations of voltages, so that even if the voltages from the utility are shifting up or down, the current stays balanced. There are other factors that can cause motor overheating but current imbalance is a condition that can happen frequently.

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Conceptual Design				GWA
Construction Management				GWA
Design-Build (Construction)				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Conceptual Design			75%
Construction Management			0%
Design-Build (Construction)		\$200,000.00 (estimate)	0%

**ACTIVITIES**

08/02/2023	Water Production Manager submitted a Memo to request for funds to purchase and install a Current Balancer Unit (CBU) at Well Y-15 in the amount of \$154,048.21.
------------	--

	Estimated cost includes electrical and concrete materials, crane rental and CBU installation/commissioning services. Y-15 has an estimated expenditure cost of \$394,677.55 from 2008 to 2023. The purchase and installation of current balancer unit will be expected to reduce motor failures and well pull outs.
08/10/2023	GM requested AGME to prepare and submit a technical memo to document the power issues and reference manufacturer information on power imbalances to be used to discuss with GPA on proposed resolution and possible reimbursement of pump/motor replacement costs.
11/03/2023	AGME submitted the technical memo that covered a comprehensive analysis of the power issues at Y-15.
11/22/2023	AGME signed and forwarded the Memo from Water Production Manager to CFO and GM recommending approval to use bond funds. CFO acknowledged to route the Memo to budget and then to the GM.
01/05/2024	GWA Operations will install and Engineering will perform the study. The revised project site is Well Y-15. Engineering will meet and coordinate with Operations.
08/31/2024	Nothing to report at this time.

**B-40 Deep Well Power Line Conditioner Pilot Project**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/31/2024	Barbara Ann C. Cruz, P.E.	William F. Esteves	Engineering Support
The project is a pilot project to install and evaluate the effectiveness of a power line conditioner for providing “clean” incoming power for a GWA deep well. Evaluation includes transient and surge protection and suppression, under/over voltage correction and protection, phase imbalance correction and protection, and capital and operation costs/savings.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Conceptual Design				GWA
Construction Management				GWA
Design-Build (Construction)				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Conceptual Design			75%
Construction Management			0%
Design-Build (Construction)	EE -9-02, EE 09-05, MP-PW-WELL-06	\$200,000.00 (estimated)	0%

ACTIVITIES	
08/02/2023	This project is on hold. Changing direction to perform a Sustainable Green Energy pilot project for deep wells.
08/31/2024	Nothing to report at this time.

**B-42 GWA Upper Tumon Campus Improvements**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/31/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
<p>This project involves the following:</p> <ol style="list-style-type: none"> <li>1. Phase 1 - Upper Tumon Warehouse Renovation and Meter Testing Facility Repair</li> <li>2. Phase 2 – Upper Tumon Customer Service Center Renovation and Laboratory Equipment Replacement</li> </ol> <p>Phase 1: Warehouse renovation involves the replacement of existing warehouse exterior structure, stairs, doors and ventilation system. May include replacement of office walls, ceilings, doors, windows and floors, and electrical rehab. Meter Testing Facility repairs of structural and water damages caused by Super Typhoon Mawar.</p> <p>Phase 2: Renovation of the Upper Tumon Customer Service Center including the Information Technology and Laboratory Office areas. Replacement of Laboratory’s dedicated outdoor air units.</p>			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Construction				
Construction Management				GWA

PHASE	FUNDING SOURCES	COST	% COMPLETE
Construction			
Construction Management			

ACTIVITIES	
02/27/2024	CCU approved GWA Resolution No. 10-FY2024, Relative to Requesting Approval to Procure Design-Build of GWA Upper Tumon Campus Improvements. The approved total amount for Phases 1 and 2 is \$8,248,400.00.
03/12/2024	Filed a petition to the Guam PUC for approval of the procurement.
04/25/2024	PUC approved CCU Resolution No. GWA 10-FY2024 regarding procurement of GWA Upper Tumon Campus Improvements Project.
04/30/2024	Review of the General Conditions – Design-Builder, EJCDC D-700 still in progress.
05/31/2024	Draft revisions to EJCDC General Conditions (D-700) and Supplementary Conditions (D-800) are > 90% complete.
06/26/2024	Completed revisions to EJCDC General Conditions (D-700).
08/18/2024	Revised drafts of D-700 General Conditions and D-800 Supplementary Conditions submitted for AGME review.



--

<a href="#"><u>B-46</u></a>	<b>Rojas-Harmon Stormwater Drainage Improvements Design</b>	<b>42306</b>
-----------------------------	---	--------------

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 09/01/2023	Prudencio F. Aguon	Vincent Edward T. Laguana	Planning
For design of stormwater infrastructure in Harmon Rojas Street to alleviate flooding issues. Mutually beneficial project for GWA and DPW.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-07-ENG-2023	7/1/24	7/1/2025	GHD, Inc

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	SO-98T45501-01	\$871,765.99	0%

**ACTIVITIES**

Advertised 09/22/2023. Due date is 10/22/2023.  
 Bid opening was on 10/31/2023. Proposals were evaluated and scored.  
 GHD was selected proposer.  
 MOU was signed by DPW director and coordination with DPW is ongoing.  
 Contract was approved. Notice to Proceed was issued on July 1, 2024.  
 Design is ongoing. Pending Lidar survey to commence first week of September 2024.

## **L. Completed CIP Projects to date**

1. Talofoto Sewer Improvement
2. Bayside Sewer Pump Station Rehabilitation
3. Casimiru Waterline Replacement
4. Reifsnider Street Waterline
5. Temporary Booster Pump Station Consolacion Street, Asan



## Financial Statement Overview August 2024

### Key Financial Indicators

Indicator	Target	June 2024	July 2024	August 2024
DSC YTD				
• Per Section 6.12 of Indenture	1.25	1.39	1.36	1.35
• Per PUC / CCU	1.30	1.39	1.36	1.35
Days – Cash on Hand	120 days	286 days	266 days	250 days
Collection Ratio**				
• Month to Date	99%	90%	104%	86%
• Year to Date	99%	90%	92%	91%
Days Billed	30 days	30 days	30 days	30 days
Account Receivable Days	30 days	42 days	41 days	43 days
Account Payable Days	45 days	32 days	35 days	32 days
Employee Count	400 FTE	351 FTE	347 FTE	343 FTE
Water Demand				
• Month to Date	451,933	429,506	411,884	446,373
• Year to Date	4,971,266	3,855,809	4,267,693	4,714,066
Wastewater Flow				
• Month to Date	317,500	337,832	302,155	340,784
• Year to Date	3,492,500	2,859,501	3,161,656	3,502,440
Operations & Maintenance Expense*	\$6,567,186	\$7,377,868	7,241,908	7,736,544
Water Customers	43,978	43,667	43,713	43,650
Wastewater Customers	30,781	31,111	31,119	31,058

\*Excludes Depreciation

\*\* Includes SDC Revenue and Collection

### Water and Wastewater Consumption

Water consumption for August 2024 increased by 10% compared to August 2023. Decreases in Commercial 3, Federal, Agricultural and Golf Course consumption were offset by increases in consumption in all other customer classes. Wastewater flows increased by 6% in the month of August compared to last year. Wastewater flow decreases in the Residential and Commercial 3 customer classes were offset by increases in other customer classes. Note that billing days in August 2024 and August 2023 were 30 days.

Year-to-date water consumption was 1% more than the same period last year with decreases in the Residential and Golf Course customer classes offset by increases in all other customer classes. Similarly, year-to-date wastewater flows as of August 2024 were 1% higher as compared to last year largely due to increases in the Federal, Government and Hotel customer classes.

Year-to-date average daily water consumption (ADC) as of August 2024 of 14,285 kgals is about the same as the prior year's 14,215 kgals. Decreases in the Residential customer class were offset by increases in the Hotel customer class. Year-to-date billing days at 330 days are two days more than the prior year.



**Balance Sheet (Schedule A)**

- Total Assets & Deferred Outflows of Resources of \$1.215B in September 2023 decreased by \$8.8M or 1% to \$1.207B in August 2024. Current Assets increased by \$9.9M primarily due to increases in restricted cash and accounts receivable. Property, Plant and Equipment decreased by \$7.9M due to increases in accumulated depreciation. Other Noncurrent Assets decreased by \$7.9M due to debt service payments.
- Liabilities & Deferred Inflow of Resources of \$880.8M in September 2023 decreased by \$15.9M compared to \$864.9M in August 2024 largely due to reductions in Bond Payables.
- Accounts Receivable days in August 2024 increased to 43 days from 41 days in July 2024. Accounts Payable days in August 2024 were 32 days compared to 35 days in July 2024. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

**Statement of Operations and Retained Earnings (Schedules B-E)**

- Total Operating Revenues for August 2024 of \$11.5M are \$632.6K or 6% more than the budget of \$10.9M. August 2024 Total Operating Revenues are 32% or \$2.8M more than August 2023's \$8.7M. Note there was a rate increase of 16.7% effective October 2023.
- Year-to-date Operating Revenues as of August 2024 of \$120.1M were \$533.9K more than budget and \$20.8M or 21% more than Year-to-date Operating Revenues as of August 2023 of \$99.3M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2024 and FY2023 as well as the revenue totals:

Customer Class	FY2024		FY2023	
o Residential	\$49,155,762	41.63%	\$42,792,304	43.85%
o Commercial	24,501,064	20.75%	21,037,732	21.56%
o Hotel	20,985,975	17.77%	15,541,491	15.92%
o Government of Guam	14,414,534	12.21%	11,240,860	11.52%
o Federal Government	8,482,777	7.18%	6,518,546	6.68%
o Agriculture, Golf Course, Irrigation	525,097	.44%	462,056	.47%
<b>TOTALS</b>	<b>\$118,065,209</b>	<b>100.00%</b>	<b>\$97,592,988</b>	<b>100.00%</b>

- Total Operating Expenses for August 2024 of \$10.1M were \$827.4K or 9% more than budget of \$9.3M. August 2024 Total Operating Expenses were 17% or \$1.5M more than August 2023's \$8.6M. We continue to monitor the Navy billing for water due to substantial rate increases; the increases are related to the Base Operating Services Contract increases, as well as increases in consumption.
- Year-to-date Operating Expenses as of August 2024 of \$99.8M were 2% or \$2.4M less than the budget of \$102.2M and 4% or \$3.7M more than August 2023's YTD \$96.1M. Water purchases alone were \$7.5M more in this year compared to last year.
- Earnings from Operations for August 2024 of \$1.4M were 12% or \$194.8K less than the budget of \$1.6M and \$1.3M more than August 2023's \$54.5K. Change in Net Assets for August 2024 of \$7.9K was \$1.6M less than the \$1.7M budget and \$267.0K more than August 2023's -\$259.1K. The increase in the



Change in Net Assets year over year was mostly due the lower Earnings from Operations in the previous year.

- Year to Date Earnings from Operations as of August 2024 of \$20.3M is 17% or \$3.0M more than the budget of \$17.4M and \$17.1M more than prior year’s \$3.2M. Year-to-date Change in Net Assets as of August 2024 of \$7.2M is \$11.1M less than budget of \$18.2M and \$3.2M less than prior year’s \$10.4M. The decrease in the Change in Net Assets year over year was mostly due the elimination of the ARPA funding and reduction in Grant contributions.
- No Rate Stabilization Funds were used in August 2024. There is a balance of \$950.0K in the RSF at the end of August 2024.

**Cash Flow (Schedule F)**

- Year-to-Date August 2024 cash flows from operating activities were \$44.8M compared to FY2023 cash flows of \$43.6M. In FY2023, there was \$14.5M in cash from ARPA with no similar transactions in FY2024. Cash was used in capital and financing activities in Year-to-Date August 2024 were \$62.4M compared to \$69.2M in FY2023 and cash provided by investing activities was \$12.5M as of Year-to-Date August compared to \$22.7M in FY2023. There was a net decrease in cash flows as of Year-to-Date August 2024 of \$5.1M compared to a \$11.5M increase in FY2023. Days Cash on Hand for July 2024 was calculated at 250 days compared to 266 days for July 2024 and 271 days for September 2023. Schedule G contains a schedule of restricted and unrestricted cash and investments.

**Customer Payments**

While only 7% of payments are made in cash, more than a third of payments continue to be made in person. The Upper Tumon drive through continues to remain open.

On April 28, 2020, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. In FY2024, approximately 52% of payments were made with credit cards. Below is a summary of non-residential Visa credit card payments and related fees. The current merchant provider offers GWA a Mastercard utility interchange rate; there is no cap for non-residential customers using Mastercard.

Month	Customer Count	Amount Paid	Fees	% Of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October 2020–September 2021	526	\$1,119,286	\$22,505	2.01%
October 2021– September 2022	738	\$3,076,971	\$61,588	2.00%
October 2022 -September 2023	783	\$3,420,468	\$66,158	1.93%
October – December 2023	192	\$1,035,322	\$20,816	2.01%
January -March 2024	234	\$1,102,942	\$22,176	2.01%
April - June 2024	216	\$1,151,835	\$23,159	2.01%
July 2024	77	\$ 422,874	\$ 8,502	2.01%
August 2024	67	\$ 348,683	\$7,011	2.01%



Resolution 21- FY2024 asks the CCU to approve the contract for the new Merchant Services Vendor, Bank of Hawaii (BOH); While the PUC approved the contract, the Office of the Attorney General has expressed concerns and has yet to sign.

The Upper Tumon office is open for payments on Saturdays. For the five Saturdays in August, 589 payments totaling \$86,354 were made towards GWA billings and 656 payments totaling \$192,995 were made for GPA.

For the month of August, Finance posted \$38,574 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP). There were no payments received for eligible homeowners as part of the Guam Homeowners Assistance Fund (GHAFF); the Department of Administration website has posted that this program is closed.

***Guam Solid Waste (GSW) Customer Payments***

GPWA began to accept GSW payments on June 6, 2022. For the month of August 2024, GWA accepted \$80,281 in GSW payments at the Upper Tumon Office. GWA will bill \$1,348 to GSW for processing fees.

***FY2025-FY2029 Financial Plan***

The PUC ALJ (Administrative Law Judge) issued a scheduling order on July 29, 2024, setting milestones that will end with the PUC rate hearing on September 24, 2024.

PUC Public Hearings on the Financial Plan were held in the evenings on August 13, 14, and 15; there were no members of the public in attendance.

The PUC Consultants met GWA and its consultants from August 5<sup>th</sup> through the 12<sup>th</sup> in Guam to stipulate an agreement on the Financial Plan. The final stipulation was signed on August 28, 2024, later than the scheduled due date of August 16. The stipulation is currently under review by the ALJ.

Two issues were unresolved and will be discussed at the September 24, 2024, hearing for PUC resolution: 1) rate stabilization fund contributions and 2) convenience fees for credit card use by customers.

An accounting order is also being developed to address the amortization of the existing regulatory asset which consists of costs of the stipulated studies and related discussions. Additionally, the order will establish a new regulatory asset for certain expenditures in the FY2025-FY2029 financial plan.

***Underwriters***

GEDA is issuing an RFP for Underwriters for GWA to ensure GWA has two Underwriters to assist with planned debt issuances. Because the Government of Guam General Fund (GovGuam) has also lost one of their Underwriters, an RFP will simultaneously be issued for GovGuam.

The GWA RFP for Underwriter Services, GEDA RFP 24-004, was issued on September 4 and is scheduled to close on September 24, 2024. GEDA is working to schedule the presentations in October for the firms that submit proposals.

**GUAM WATERWORKS AUTHORITY  
August 31, 2024  
FINANCIAL AND RELATED REPORTS  
TABLE OF CONTENTS**

	SCHEDULES	PAGE
BALANCE SHEET	A	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	B	3
INCOME STATEMENT MTD ACTUALS FY24 VS FY23	C	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY24 VS FY23	E	6
STATEMENT OF CASH FLOWS	F	7
SCHEDULE OF CASH RESTRICTED/UNRESTRICTED	G	8
AGING REPORT - GOVERNMENT RECEIVABLES	H	9
AGING REPORT - RECEIVABLES BY RATE CLASS	I	10
AGING REPORT - ACCOUNTS PAYABLE	J	11
WATER DEMAND BY RATE CLASS FY2015 - FY2024	K	12
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	L	13

**GUAM WATERWORKS AUTHORITY**  
**Balance Sheet**  
**August 31, 2024**

**SCHEDULE A**

<b>ASSETS AND DEFERRED OUTFLOWS of RESOURCES</b>	<b>Unaudited</b>	<b>Audited</b>	<b>Increase</b>
	<b>August 31, 2024</b>	<b>September 30, 2023</b>	<b>(Decrease)</b>
<b>Current Assets</b>			
Cash			
Unrestricted (Schedule G)	45,229,488	50,324,888	(5,095,399)
Restricted Funds (Schedule G)	40,908,316	32,707,733	8,200,583
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$9,677,684 at Aug 31, 2024 and \$10,894,003 at Sep 30, 2023	18,414,117	11,484,716	6,929,401
Federal Receivable	1,031,062	2,191,346	(1,160,284)
Other Receivable	1,844,826	1,561,619	283,207
Prepaid Expenses	1,985,527	1,206,948	778,579
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$122,856 at Aug 31, 2024 and \$122,856 at Sep 30, 2023	5,017,020	5,096,658	(79,637)
<b>Total Current Assets</b>	<b>114,430,357</b>	<b>104,573,908</b>	<b>9,856,449</b>
<b>Property, Plant and Equipment</b>			
Utility plant in service			
Water system	459,470,570	444,848,078	14,622,492
Wastewater system	683,364,215	679,249,470	4,114,746
Non-utility property	35,308,010	33,683,228	1,624,782
<b>Total property</b>	<b>1,178,142,795</b>	<b>1,157,780,776</b>	<b>20,362,019</b>
Less: Accumulated Depreciation	(450,226,840)	(424,928,727)	(25,298,113)
Land	5,737,168	5,287,305	449,863
Construction Work in Progress	70,740,506	74,149,217	(3,408,711)
Property, Plant and Equipment, net	<b>804,393,629</b>	<b>812,288,571</b>	<b>(7,894,942)</b>
Lease and subscription IT assets	614,418	614,418	-
<b>Noncurrent assets</b>			
Restricted cash (Schedule G)	144,111,658	150,366,788	(6,255,130)
Investments (Schedule G)	68,644,776	70,239,665	(1,594,889)
<b>Total other noncurrent assets and deferred charges</b>	<b>212,756,434</b>	<b>220,606,453</b>	<b>(7,850,019)</b>
<b>Total Assets</b>	<b>1,132,194,838</b>	<b>1,138,083,350</b>	<b>(5,888,512)</b>
<b>Deferred outflows of resources</b>			
Regulatory assets	3,174,728	3,174,728	-
Debt defeasance due to bond refunding	24,289,439	27,184,464	(2,895,025)
Deferred outflows from pension	18,328,045	18,328,045	-
Deferred outflows from OPEB	28,539,954	28,539,954	-
<b>Total Assets and Deferred Outflows of Resources</b>	<b>1,206,527,005</b>	<b>1,215,310,541</b>	<b>(8,783,536)</b>
<b>LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS</b>			
<b>Current Liabilities</b>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	-	3,315,000	(3,315,000)
Series 2014 Refunding Bond	-	4,205,000	(4,205,000)
Series 2016 Revenue Bond	-	875,000	(875,000)
Series 2017 Refunding Bond	-	2,365,000	(2,365,000)
Lease and subscription IT liabilities	375,103	375,103	-
Accounts Payable -Trade	4,591,549	4,329,683	261,866
Accrued and Other Liabilities	10,090,974	9,202,765	888,209
Interest Payable	4,568,224	7,070,516	(2,502,293)
Accrued Payroll and Employee Benefits	1,500,896	1,334,022	166,874
Current portion of employee annual leave	729,390	729,390	-
Contractors' Payable	5,961,131	8,565,009	(2,603,878)
Customer and Other Deposits	2,321,544	2,268,968	52,576
<b>Total Current Liabilities</b>	<b>30,138,810</b>	<b>44,635,456</b>	<b>(14,496,645)</b>
<b>Long Term Debt, less current maturities</b>			
Series 2013 Revenue Bond	-	15,050,000	(15,050,000)
Series 2014 Refunding Bond	-	55,845,000	(55,845,000)
Series 2016 Revenue Bond	81,890,000	133,265,000	(51,375,000)
Series 2017 Refunding Bond	57,660,000	98,565,000	(40,905,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	125,835,000	166,075,000	(40,240,000)
Series 2024A Refunding Bond	133,575,000	-	133,575,000
Series 2024B Refunding Bond	51,275,000	-	51,275,000
Unamortized Bond Premium/Discount	46,815,196	37,287,410	9,527,786
Lease and subscription IT liabilities	192,245	192,245	-
Net pension liability	59,402,698	59,402,698	-
Net OPEB obligation	87,184,863	87,184,863	-
Employee Annual Leave, Less Current Portion	913,289	913,289	-
Employee Sick Leave	1,429,998	1,429,998	-
<b>Total Liabilities</b>	<b>810,312,100</b>	<b>833,845,960</b>	<b>(23,533,859)</b>
<b>Deferred inflows of resources:</b>			
Contribution in Aid of Construction	634,187	646,937	(12,750)
Deferred inflows from pension	3,009,820	3,009,820	-
Deferred inflows from OPEB	43,293,492	43,293,492	-
Debt defeasance due to bond refunding	7,603,015	-	7,603,015
<b>Total Liabilities and Deferred Inflows of Resources</b>	<b>864,852,614</b>	<b>880,796,209</b>	<b>(15,943,595)</b>
<b>Net Assets</b>	<b>341,674,391</b>	<b>334,514,332</b>	<b>7,160,058</b>
<b>Total Liabilities, Deferred Inflows of Resources and Net Assets</b>	<b>1,206,527,005</b>	<b>1,215,310,541</b>	<b>(8,783,536)</b>



**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending August 31, 2024**

SCHEDULE B

	Month to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) August-24	Budget* August-24	
<b>OPERATING REVENUES</b>			
Water Revenues	6,963,575	6,633,339	330,236
Wastewater Revenues	4,071,194	3,704,127	367,067
Legislative Surcharge	366,415	339,172	27,243
Other Revenues	44,739	40,618	4,121
System Development Charge	58,633	154,698	(96,065)
<b>Total Operating Revenues</b>	<b>11,504,557</b>	<b>10,871,954</b>	<b>632,602</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	1,989,501	1,308,055	(681,446)
Power Purchases	1,993,179	1,785,958	(207,221)
Total Utility Costs	3,982,680	3,094,014	(888,667)
Salaries and Wages	1,876,604	1,654,264	(222,340)
Pension and Benefits	735,248	674,456	(60,792)
Total Salaries and Benefits	2,611,852	2,328,719	(283,132)
Capitalized Labor and Benefits	(307,038)	(252,242)	54,796
Net Salaries and Benefits	2,304,814	2,076,477	(228,336)
<b>Administrative and General Expenses</b>			
Sludge removal	88,352	93,393	5,040
Chemicals	161,068	131,735	(29,333)
Materials & Supplies	105,255	139,344	34,089
Transportation	36,043	65,290	29,246
Communications	17,644	12,529	(5,115)
Claims	-	6,567	6,567
Insurance	143,501	150,081	6,580
Training & Travel	8,216	23,420	15,204
Advertising	1,000	8,832	7,832
Miscellaneous	106,528	126,523	19,995
Regulatory Expense	9,167	19,496	10,329
Bad Debts Provision	-	82,439	82,439
Total Administrative and General Expense	676,773	859,647	182,874
<b>Depreciation Expense</b>	<b>2,383,704</b>	<b>2,401,423</b>	<b>17,719</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	165,891	217,481	51,590
Building rental	48,132	48,552	419
Equipment rental	33,025	32,962	(63)
Legal	30,151	45,034	14,883
Laboratory	30,857	67,235	36,378
Other	143,669	123,009	(20,660)
Total Contractual Expense	451,726	534,272	82,546
Retiree Supp. Annuities and health care costs	262,093	262,402	308
Contribution to Government of Guam	58,458	64,618	6,159
Total Retiree Benefits	320,552	327,019	6,468
<b>Total Operating Expenses</b>	<b>10,120,248</b>	<b>9,292,852</b>	<b>(827,396)</b>
<b>Earnings (Loss) from Operations</b>	<b>1,384,309</b>	<b>1,579,102</b>	<b>(194,794)</b>
Interest Income - Bond Funds	994,326	647,004	347,322
Interest Income - Other Funds	312,592	200,078	112,515
Interest Income - SDC	19,894	873	19,021
Interest Expense - Bonds	(2,284,112)	(2,356,839)	72,727
Loss on Asset Disposal	(472,885)	(56,499)	(416,386)
Amortization of Discount, Premium and Issuance Costs	138,509	124,228	14,281
Defeasance due to bond refunding	(293,978)	(170,449)	(123,528)
Prior Year Adjustment	(8,765)	(7,229)	(1,536)
Total non-operating revenues (expenses)	(1,594,418)	(1,618,833)	24,415
<b>Net Income (Loss) before capital contributions</b>	<b>(210,110)</b>	<b>(39,731)</b>	<b>(170,378)</b>
<b>Capital Contributions</b>			
Grants from US Government	217,975	1,686,437	(1,468,462)
Grants from GovGuam & Others	-	8,937	(8,937)
Total Capital Contributions	217,975	1,695,374	(1,477,399)
<b>Change in Net Assets</b>	<b>7,865</b>	<b>1,655,642</b>	<b>(1,647,778)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,384,309	1,579,102	
System Development Charge	(58,633)	(154,698)	
Retiree COLA	58,458	58,458	
Interest/Investment Income	312,592	200,078	
Depreciation	2,383,704	2,401,423	
Rate Stabilization Fund	-	79,167	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>4,080,430</b>	<b>4,163,529</b>	
<b>Debt Service</b>			
Principal	896,667	896,667	
Interest	2,356,839	2,356,839	
<b>Total</b>	<b>3,253,505</b>	<b>3,253,505</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.25</b>	<b>1.28</b>	
<b>Debt Service Coverage (1.30X) (PUC)</b>	<b>1.25</b>	<b>1.28</b>	

\*Amended budget approved on 08/27/24 - GWA Resolution 31-FY2024

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending August 31, 2024 and 2023**

SCHEDULE C

	Month to Date		Variance Increase / (Decrease)
	Actual (Unaudited) August-24	Actual (Audited) August-23	
<b>OPERATING REVENUES</b>			
Water Revenues	6,963,575	5,325,169	1,638,406
Wastewater Revenues	4,071,194	3,033,626	1,037,568
Legislative Surcharge	366,415	250,106	116,309
Other Revenues	44,739	56,718	(11,978)
System Development Charge	58,633	29,994	28,640
<b>Total Operating Revenues</b>	<b>11,504,557</b>	<b>8,695,612</b>	<b>2,808,945</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	1,989,501	521,716	1,467,785
Power Purchases	1,993,179	2,082,001	(88,822)
Total Utility Costs	3,982,680	2,603,717	1,378,963
Salaries and Wages	1,876,604	1,637,215	239,389
Pension and Benefits	735,248	652,687	82,561
Total Salaries and Benefits	2,611,852	2,289,902	321,950
Capitalized Labor and Benefits	(307,038)	(327,089)	20,051
Net Salaries and Benefits	2,304,814	1,962,813	342,000
<b>Administrative and General Expenses</b>			
Sludge removal	88,352	91,761	(3,409)
Chemicals	161,068	216,275	(55,207)
Materials & Supplies	105,255	153,589	(48,334)
Transportation	36,043	37,523	(1,480)
Communications	17,644	10,059	7,585
Claims	-	239	(239)
Insurance	143,501	147,927	(4,426)
Training & Travel	8,216	19,189	(10,973)
Advertising	1,000	3,559	(2,559)
Miscellaneous	106,528	133,821	(27,293)
Regulatory Expense	9,167	22,105	(12,938)
Bad Debts Provision	-	172,178	(172,178)
Total Administrative and General Expense	676,773	1,008,224	(331,451)
<b>Depreciation Expense</b>	<b>2,383,704</b>	<b>2,419,820</b>	<b>(36,116)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	165,891	111,299	54,592
Building rental	48,132	48,327	(194)
Equipment rental	33,025	71,960	(38,935)
Laboratory	30,857	7,306	23,551
Other	143,669	99,132	44,537
Total Contractual Expense	451,726	346,400	105,326
Retiree Supp. Annuities and health care costs	262,093	244,029	18,064
Contribution to Government of Guam	58,458	56,100	2,358
Total Retiree Benefits	320,552	300,129	20,423
<b>Total Operating Expenses</b>	<b>10,120,248</b>	<b>8,641,103</b>	<b>1,479,145</b>
<b>Earnings (Loss) from Operations</b>	<b>1,384,309</b>	<b>54,509</b>	<b>1,329,800</b>
Interest Income - Bond Funds	994,326	553,089	441,237
Interest Income - Other Funds	312,592	433,745	(121,153)
Interest Income - SDC	19,894	14,469	5,425
Interest Expense - Bonds	(2,284,112)	(2,356,839)	72,727
Contributions from Local Government	-	-	-
Loss on Asset Disposal	(472,885)	-	(472,885)
Amortization of Discount, Premium and Issuance Costs	138,509	124,228	14,281
Defeasance due to bond refunding	(293,978)	(170,449)	(123,528)
Prior Year Adjustment	(8,765)	239	(9,004)
Total non-operating revenues (expenses)	(1,594,418)	(451,518)	(1,142,900)
<b>Net Income (Loss) before capital contributions</b>	<b>(210,110)</b>	<b>(397,009)</b>	<b>186,899</b>
<b>Capital Contributions</b>			
Grants from US Government	217,975	91,339	126,636
Total Capital Contributions	217,975	137,890	80,085
<b>Change in Net Assets</b>	<b>7,865</b>	<b>(259,119)</b>	<b>266,984</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,384,309	54,509	
System Development Charge	(58,633)	(29,994)	
Retiree COLA	58,458	56,100	
Interest/Investment Income	312,592	433,745	
Depreciation	2,383,704	2,419,820	
Rate Stabilization Fund	-	1,300,000	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>4,080,430</b>	<b>4,234,180</b>	
<b>Debt Service</b>			
Principal	896,667	852,917	
Interest	2,356,839	2,400,140	
<b>Total</b>	<b>3,253,505</b>	<b>3,253,056</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.25</b>	<b>1.30</b>	
<b>Debt Service Coverage (1.30X) (PUC)</b>	<b>1.25</b>	<b>1.30</b>	

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending August 31, 2024**

SCHEDULE D

	Year to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) August-24	Budget* August-24	
<b>OPERATING REVENUES</b>			
Water Revenues	73,215,328	72,966,730	248,598
Wastewater Revenues	41,096,026	40,745,397	350,629
Legislative Surcharge	3,753,854	3,730,891	22,963
Other Revenues	548,343	446,798	101,545
System Development Charge	1,511,829	1,701,682	(189,852)
<b>Total Operating Revenues</b>	<b>120,125,381</b>	<b>119,591,498</b>	<b>533,884</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	13,836,709	14,388,607	551,898
Power Purchases	19,979,870	19,645,543	(334,327)
Total Utility Costs	<u>33,816,579</u>	<u>34,034,150</u>	<u>217,571</u>
Salaries and Wages	18,613,671	18,196,900	(416,771)
Pension and Benefits	7,615,657	7,419,011	(196,646)
Total Salaries and Benefits	<u>26,229,329</u>	<u>25,615,912</u>	<u>(613,417)</u>
Capitalized Labor and Benefits	(2,777,425)	(2,774,662)	2,763
Net Salaries and Benefits	<u>23,451,903</u>	<u>22,841,250</u>	<u>(610,654)</u>
<b>Administrative and General Expenses</b>			
Sludge removal	1,015,242	1,027,319	12,077
Chemicals	1,491,291	1,449,085	(42,207)
Materials & Supplies	1,161,653	1,532,782	371,129
Transportation	455,079	718,185	263,107
Communications	124,415	137,817	13,402
Claims	48,745	72,237	23,492
Insurance	1,648,667	1,650,896	2,228
Training & Travel	200,783	257,615	56,833
Advertising	23,861	97,147	73,286
Miscellaneous	1,401,385	1,391,748	(9,637)
Regulatory Expense	222,411	214,457	(7,954)
Bad Debts Provision	237,985	906,828	668,842
Total Administrative and General Expense	<u>8,031,518</u>	<u>9,456,115</u>	<u>1,424,597</u>
<b>Depreciation Expense</b>	<u>26,163,019</u>	<u>26,415,653</u>	<u>252,634</u>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	1,605,080	2,392,289	787,209
Building rental	536,071	534,068	(2,003)
Equipment rental	322,576	362,582	40,006
Legal	386,476	495,370	108,894
Laboratory	680,682	739,582	58,900
Other	1,211,485	1,353,104	141,618
Total Contractual Expense	<u>4,742,370</u>	<u>5,876,995</u>	<u>1,134,624</u>
Retiree Supp. Annuities and health care costs	2,941,220	2,886,417	(54,803)
Contribution to Government of Guam	643,042	710,794	67,753
Total Retiree Benefits	<u>3,584,261</u>	<u>3,597,212</u>	<u>12,950</u>
<b>Total Operating Expenses</b>	<u>99,789,650</u>	<u>102,221,374</u>	<u>2,431,724</u>
<b>Earnings (Loss) from Operations</b>	<u>20,335,731</u>	<u>17,370,124</u>	<u>2,965,608</u>
Interest Income - Bond Funds	10,026,967	7,117,045	2,909,923
Interest Income - Other Funds	2,647,998	2,200,853	447,146
Interest Income - SDC	185,429	9,603	175,827
Interest Expense - Bonds	(24,511,613)	(25,925,226)	1,413,614
Loss on Asset Disposal	(854,114)	(621,488)	(232,627)
Amortization of Discount, Premium and Issuance Costs	(68,607)	1,366,509	(1,435,116)
Defeasance due to bond refunding	(2,753,656)	(1,874,942)	(878,714)
Prior Year Adjustment	(166,701)	(79,520)	(87,181)
Total non-operating revenues (expenses)	<u>(15,494,297)</u>	<u>(17,807,167)</u>	<u>2,312,870</u>
<b>Net Income (Loss) before capital contributions</b>	<u>4,841,434</u>	<u>(437,044)</u>	<u>5,278,478</u>
<b>Capital Contributions</b>			
Grants from US Government	2,175,594	18,550,803	(16,375,208)
Grants from GovGuam & Others	143,029	98,308	44,721
Total Capital Contributions	<u>2,318,624</u>	<u>18,649,111</u>	<u>(16,330,487)</u>
<b>Change in Net Assets</b>	<u>7,160,058</u>	<u>18,212,067</u>	<u>(11,052,009)</u>
<b>Debt Service Calculation</b>			
Earnings From Operations	20,335,731	17,370,124	
System Development Charge	(1,511,829)	(1,701,682)	
Retiree COLA	643,042	710,794	
Interest/Investment Income	2,647,998	2,200,853	
Depreciation	26,163,019	26,415,653	
Rate Stabilization Fund	-	870,833	
<b>Balance Available for Debt Service per Section 6.12</b>	<u>48,277,960</u>	<u>45,866,575</u>	
<b>Debt Service</b>			
Principal	9,863,333	9,863,333	
Interest	25,925,226	25,925,226	
<b>Total</b>	<u>35,788,560</u>	<u>35,788,560</u>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<u>1.35</u>	<u>1.28</u>	
<b>Debt Service Coverage (1.30X) (PUC)</b>	<u>1.35</u>	<u>1.28</u>	

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending August 31, 2024 and 2023**

SCHEDULE E

	Year to Date		Variance Increase / (Decrease)
	Actual (Unaudited) August-24	Actual (Audited) August-23	
<b>OPERATING REVENUES</b>			
Water Revenues	73,215,328	61,218,440	11,996,888
Wastewater Revenues	41,096,026	33,531,441	7,564,586
Legislative Surcharge	3,753,854	2,843,108	910,746
Other Revenues	548,343	496,434	51,909
System Development Charge	1,511,829	1,200,383	311,447
<b>Total Operating Revenues</b>	<b>120,125,381</b>	<b>99,289,805</b>	<b>20,835,576</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	13,836,709	6,370,381	7,466,328
Power Purchases	19,979,870	22,904,748	(2,924,879)
Total Utility Costs	33,816,579	29,275,129	4,541,450
Salaries and Wages	18,613,671	18,395,563	218,108
Pension and Benefits	7,615,657	6,949,050	666,607
Total Salaries and Benefits	26,229,329	25,344,613	884,716
Capitalized Labor and Benefits	(2,777,425)	(2,622,635)	(154,790)
Net Salaries and Benefits	23,451,903	22,721,977	729,926
<b>Administrative and General Expenses</b>			
Sludge removal	1,015,242	624,494	390,748
Chemicals	1,491,291	1,532,143	(40,852)
Materials & Supplies	1,161,653	1,665,315	(503,662)
Transportation	455,079	554,015	(98,936)
Communications	124,415	105,958	18,457
Claims	48,745	33,875	14,870
Insurance	1,648,667	1,627,195	21,472
Training & Travel	200,783	105,460	95,323
Advertising	23,861	69,507	(45,646)
Miscellaneous	1,401,385	1,164,715	236,669
Regulatory Expense	222,411	169,292	53,119
Bad Debts Provision	237,985	1,951,860	(1,713,874)
Total Administrative and General Expense	8,031,518	9,603,829	(1,572,312)
<b>Depreciation Expense</b>	<b>26,163,019</b>	<b>26,332,484</b>	<b>(169,466)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	1,605,080	1,662,673	(57,593)
Building rental	536,071	526,448	9,623
Equipment rental	322,576	622,607	(300,031)
Legal	386,476	500,933	(114,457)
Laboratory	680,682	217,242	463,440
Other	1,211,485	1,369,427	(157,942)
Total Contractual Expense	4,742,370	4,899,331	(156,961)
Retiree Supp. Annuities and health care costs	2,941,220	2,636,620	304,599
Contribution to Government of Guam	643,042	617,100	25,942
Total Retiree Benefits	3,584,261	3,253,720	330,541
<b>Total Operating Expenses</b>	<b>99,789,650</b>	<b>96,086,471</b>	<b>3,703,179</b>
<b>Earnings (Loss) from Operations</b>	<b>20,335,731</b>	<b>3,203,334</b>	<b>17,132,398</b>
Interest Income - Bond Funds	10,026,967	8,479,183	1,547,784
Interest Income - Other Funds	2,647,998	1,638,127	1,009,871
Interest Income - SDC	185,429	70,833	114,596
Interest Expense - Bonds	(24,511,613)	(26,314,936)	1,803,323
Contributions from Local Government	-	12,400,000	(12,400,000)
Federal Expenditures	-	(25,000)	25,000
Loss on Asset Disposal	(854,114)	(336,469)	(517,646)
Legal settlements	-	950,000	(950,000)
Amortization of Discount, Premium and Issuance Costs	(68,607)	1,366,509	(1,435,116)
Defeasance due to bond refunding	(2,753,656)	(1,874,942)	(878,714)
Prior Year Adjustment	(166,701)	(164,887)	(1,815)
Total non-operating revenues (expenses)	(15,494,297)	(3,811,581)	(11,682,716)
<b>Net Income (Loss) before capital contributions</b>	<b>4,841,434</b>	<b>(608,247)</b>	<b>5,449,682</b>
<b>Capital Contributions</b>			
Grants from US Government	2,175,594	10,897,939	(8,722,344)
Grants from GovGuam & Others	143,029	107,300	35,730
Total Capital Contributions	2,318,624	11,005,239	(8,686,615)
<b>Change in Net Assets</b>	<b>7,160,058</b>	<b>10,396,991</b>	<b>(3,236,933)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	20,335,731	3,203,334	
System Development Charge	(1,511,829)	(1,200,383)	
Retiree COLA	643,042	617,100	
Interest/Investment Income	2,647,998	1,638,127	
Depreciation	26,163,019	26,332,484	
Rate Stabilization Fund	-	3,850,000	
ARPA Grant	-	12,400,000	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>48,277,960</b>	<b>46,840,662</b>	
<b>Debt Service</b>			
Principal	9,863,333	9,382,083	
Interest	25,925,226	26,401,538	
<b>Total</b>	<b>35,788,560</b>	<b>35,783,621</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.35</b>	<b>1.31</b>	
<b>Debt Service Coverage (1.30X) (PUC)</b>	<b>1.35</b>	<b>1.31</b>	

Guam Waterworks Authority Statement of Cash Flows FY2024	SCHEDULE F		
	Unaudited YTD Aug-24	Audited YTD Sep-23	Increase (Decrease)
<b>Cash flows from operating activities:</b>			
Cash received from trade and others	112,727,364	120,965,897	(8,238,533)
Cash payments to suppliers/contractors for goods and services	(45,914,098)	(46,755,481)	841,383
Cash payments to employees for services	(18,459,440)	(27,081,802)	8,622,362
Cash payments for retiree healthcare costs and other benefits	(3,584,261)	(3,560,495)	(23,766)
<b>Net cash provided by operating activities</b>	<b>44,769,565</b>	<b>43,568,119</b>	<b>1,201,446</b>
<b>Cash flows from noncapital financing activities:</b>			
Receipts from the Local Government operating grant	-	14,460,048	(14,460,048)
	-	14,460,048	(14,460,048)
<b>Cash flows from capital and related financing activities:</b>			
Contributed capital received (grants)	3,478,908	10,208,987	(6,730,079)
Acquisition of utility plant	(18,948,644)	(41,331,452)	22,382,808
Repayment of Long Term Debt	(16,902,189)	(10,235,000)	(6,667,189)
Interest expense	(30,002,870)	(28,801,678)	(1,201,192)
Legal proceeds	-	950,000	(950,000)
<b>Net cash provided by (used in) capital and related financing activities</b>	<b>(62,374,795)</b>	<b>(69,209,143)</b>	<b>6,834,348</b>
<b>Cash flows from investing activities:</b>			
Transfers from (to) restricted fund	(350,564)	11,077,261	(11,427,825)
Interest income received	12,860,395	11,604,779	1,255,616
<b>Net cash provided by investing activities</b>	<b>12,509,831</b>	<b>22,682,040</b>	<b>(10,172,209)</b>
Net increase (decrease) in cash	(5,095,399)	11,501,064	(16,596,463)
Unrestricted cash at beginning of the period	50,324,888	38,823,824	11,501,063
<b>Unrestricted cash at end of period</b>	<b>45,229,488</b>	<b>50,324,888</b>	<b>(5,095,400)</b>
Reconciliation of operating loss to net cash provided by operating activities:			
<b>Operating Income (loss)</b>	<b>20,335,731</b>	<b>1,872,603</b>	<b>18,463,128</b>
Adjustments to reconcile to net cash provided by operating activities:			
Depreciation expense	26,163,019	30,911,997	(4,748,978)
Bad debts (recovery)	237,985	421,467	(183,482)
Capitalized labor and benefits	(2,777,425)	(3,075,928)	298,503
Recovery of provision for inventory obsolescence	-	-	-
Non-cash pension and OPEB costs	7,603,015	1,335,785	6,267,230
Other Non-cash adjustments	-	(323,071)	323,071
(Increase) decrease in assets:			
Accounts receivable	(7,450,593)	4,519,295	(11,969,888)
Materials and supplies inventory	79,637	(623,993)	703,630
Prepaid expenses	(778,579)	526,069	(1,304,648)
Regulatory Assets	-	(377,969)	377,969
Increase (decrease) in liabilities:			
Accounts payable	261,866	(45,808)	307,674
Accrued payroll and employee benefits	166,874	136,972	29,902
Customer deposits	52,576	(6,345)	58,921
Other liabilities	875,459	8,297,045	(7,421,586)
<b>Net cash provided by operating activities</b>	<b>44,769,565</b>	<b>43,568,119</b>	<b>1,201,446</b>

**GUAM WATERWORKS AUTHORITY**  
**Restricted and Unrestricted Cash Summary**  
**FY2024**

**SCHEDULE G**

Description	Unaudited August 31, 2024	Audited September 30, 2023	Increase (Decrease)
<b>UNRESTRICTED</b>			
Change Fund	2,000	2,000	-
Petty Cash	3,930	3,930	-
BOG Deposit Accounts	18,968,067	26,112,801	(7,144,734)
BOG O & M Reserve	15,152,026	14,477,230	674,796
BOG CapEx Fund	10,153,465	8,778,927	1,374,538
BOG Rate Stabilization Fund	950,000	950,000	-
<b>Sub-total Unrestricted</b>	<b>45,229,488</b>	<b>50,324,888</b>	<b>(5,095,399)</b>
<b>RESTRICTED</b>			
Bank Pacific	12,837	6,345	6,491
Bank of Hawaii	240,600	167,390	73,211
Community First FCU	2,866	2,538	327
First Hawaiian Bank	151,356	82,921	68,435
Bank Pacific Surcharge	1,102,609	6,863	1,095,745
Bank Pacific Escrow Deposit	958,784	958,711	73
BOG Customer Refunds	2,324,989	2,157,517	167,473
BOG Sewer Hookup Revolving Fund	2,169,707	2,079,769	89,938
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	465,509	(137,922)	603,432
BOG Revenue Trust Fund	8,443,047	10,471,820	(2,028,773)
BOG Capital Improvement Revenue Fund	14,865,259	8,452,503	6,412,756
	<b>33,821,046</b>	<b>27,331,937</b>	<b>6,489,109</b>
BOG - SDC Deposit	1,087,270	1,125,796	(38,525)
BOG - SDC CDs	6,000,000	4,250,000	1,750,000
<b>Total SDC</b>	<b>7,087,270</b>	<b>5,375,796</b>	<b>1,711,475</b>
<b>Total Restricted</b>	<b>40,908,316</b>	<b>32,707,733</b>	<b>8,200,583</b>
<b>Reserve Funds</b>			
BOG Series 2013 Construction Fund	3,267,268	3,459,448	(192,180)
BOG Series 2016 Construction Fund	22,468,748	27,091,177	(4,622,429)
BOG Series 2017 Refunding Construction Fund	3,680,527	3,648,718	31,809
BOG Series 2020A Construction Fund	109,742,691	111,457,380	(1,714,690)
BOG ClF-Construction Fund Transfers	4,929,605	4,710,065	219,540
BOG Series 2024AB COI Funds	22,820	-	22,820
<b>Total Restricted - Held by Trustee</b>	<b>144,111,658</b>	<b>150,366,788</b>	<b>(6,255,130)</b>
BOG OMRRRF Fund	19,560,351	17,423,213	2,137,138
USB Series 2013 Debt Service Fund	-	1,494,615	(1,494,615)
USB Series 2013 Debt Service Reserve Fund	-	12,031,688	(12,031,688)
USB Series 2014 Refunding Debt Service Reserve Fund	-	10,100,975	(10,100,975)
USB Series 2016 Debt Service Fund	876,369	2,061,782	(1,185,413)
USB Series 2016 Debt Service Reserve Fund	-	7,591,999	(7,591,999)
USB Series 2017 Refunding Debt Service Reserve Fund	-	7,566,460	(7,566,460)
USB Series 2017 Debt Service Fund	948,301	2,015,191	(1,066,890)
USB Series 2020A Debt Service Fund	1,284,841	1,753,543	(468,703)
USB Series 2020A Debt Service Reserve Fund	-	6,659,700	(6,659,700)
USB Series 2020B Debt Service Reserve Fund	852,639	1,540,498	(687,859)
USB Series 2024A Debt Service Fund	1,999,335	-	1,999,335
USB Series 2024B Debt Service Fund	1,111,368	-	1,111,368
USB Series 2024A Debt Service Reserve Fund	42,011,572	-	42,011,572
<b>Total Investments</b>	<b>68,644,776</b>	<b>70,239,665</b>	<b>(1,594,889)</b>
<b>Total Restricted and Unrestricted Cash</b>	<b>298,894,238</b>	<b>303,639,073</b>	<b>(4,744,835)</b>

**Guam Waterworks Authority  
Accounts Receivable - Government (Active)  
August 31, 2024**

**SCHEDULE H**

<b>AGING</b>							
<b>Customer Name</b>	<b>No. of Accounts</b>	<b>Current</b>	<b>31 - 60 days</b>	<b>61 - 90 days</b>	<b>91 - 120 days</b>	<b>Over 120 days</b>	<b>Total</b>
<b>Autonomous Agencies (Active)</b>							
Guam Int'l Airport Authority	8	\$ 9,236	\$ 103	\$ 139	\$ 131	\$ 262,258	\$ 271,867
Guam Power Authority	25	40,287	-	-	-	-	40,287
Guam Housing & Urban Renewal Authority	10	7,978	3,376	-	-	-	11,354
Port Authority of Guam	6	2,367	-	-	-	-	2,367
Guam Solid Waste Authority	4	1,064	911	77	-	-	2,052
Guam Housing Corporation	1	50	-	-	-	-	50
<b>Total Autonomous Agencies</b>	<b>54</b>	<b>\$ 60,982</b>	<b>\$ 4,390</b>	<b>\$ 216</b>	<b>\$ 131</b>	<b>\$ 262,258</b>	<b>\$ 327,977</b>
<b>Semi-Autonomous Agencies (Active)</b>							
Guam Memorial Hospital Authority	3	\$ 45,780	\$ 45,242	\$ 47,356	\$ 45,792	\$ 142,625	\$ 326,794
University of Guam	48	15,259	11,247	179	-	-	26,686
Guam Environmental Protection Agency	2	592	1	-	-	-	592
<b>Total Semi-Autonomous Agencies</b>	<b>53</b>	<b>\$ 61,631</b>	<b>\$ 56,490</b>	<b>\$ 47,535</b>	<b>\$ 45,792</b>	<b>\$ 142,625</b>	<b>\$ 354,072</b>
<b>Line Agencies (Active)</b>							
Department of Education	51	\$ 631,416	\$ 62,920	\$ 5,764	\$ 3,377	\$ 14,312	\$ 717,789
Department of Corrections	9	160,965	127,395	123,686	105,529	333	517,909
Department of Parks & Recreation	13	78,337	77,917	68,657	48,511	18,497	291,920
Department of Public Works	10	19,067	111	74	272	-	19,524
Department of Public Health & Social Services	9	12,278	1,713	1,224	1,119	1,532	17,867
Guam Fire Department	11	7,997	8,093	334	316	-	16,741
Guam Police Department	9	4,942	4,765	44	34	-	9,785
Department of Military Affairs/GUARNG	1	4,176	3,603	1,591	-	-	9,370
Department of Agriculture	7	3,521	2,027	2,666	120	49	8,383
Guam Homeland Security/Civil Defense	1	1,263	1,302	1,280	919	1,079	5,843
Guam Veterans Affairs Office	2	1,130	916	770	439	-	3,255
Office of the Governor	2	1,791	1,261	-	-	-	3,051
Department of Chamorro Affairs	7	2,976	-	-	-	-	2,976
Department of Administration	4	2,501	57	140	35	-	2,732
Department of Mental Health And Substance	4	1,928	-	-	-	-	1,928
Department of Customs & Quarantine	1	528	528	528	-	-	1,584
Department of Youth Affairs	3	1,435	-	-	-	-	1,435
Guam Visitors Bureau	2	700	701	-	-	-	1,401
Guam Public Library	6	1,000	133	8	-	-	1,141
Office of Technology	1	580	-	-	-	-	580
Guam Energy Office	1	218	-	-	-	-	218
<b>Total Line Agencies</b>	<b>154</b>	<b>\$ 938,748</b>	<b>\$ 293,442</b>	<b>\$ 206,768</b>	<b>\$ 160,671</b>	<b>\$ 35,803</b>	<b>\$ 1,635,431</b>
<b>Other Government of Guam Entities (Active)</b>							
Mayors Council of Guam	63	\$ 24,111	\$ 10,404	\$ 1,526	\$ 125	\$ -	\$ 36,165
Superior Court of Guam	2	1,049	-	-	-	-	1,049
The Office of the Dededo Mayor	1	880	-	-	-	-	880
Umatac Mayors Office	1	524	-	-	-	-	524
Judiciary of Guam	4	422	-	-	-	-	422
Merizo Mayor	1	36	-	-	-	-	36
<b>Total Other Government of Guam Entities</b>	<b>72</b>	<b>\$ 27,021</b>	<b>\$ 10,404</b>	<b>\$ 1,526</b>	<b>\$ 125</b>	<b>\$ -</b>	<b>\$ 39,076</b>
<b>Total as of August 31, 2024 (Active)</b>	<b>333</b>	<b>\$ 1,088,382</b>	<b>\$ 364,726</b>	<b>\$ 256,045</b>	<b>\$ 206,718</b>	<b>\$ 440,686</b>	<b>\$ 2,356,555</b>

GWA Work Session - September 17, 2024 - GWA GM REPORT

GUAM WATERWORKS AUTHORITY  
Accounts Receivable Aging Summary by Rate Class  
As of August 31, 2024

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	442	\$ 1,804,619	\$ 1,041,463	\$ 1,522,339	\$ 210,516	\$ 3,855,673	\$ 8,434,610	30%	
Agriculture	400	29,360	4,518	2,400	820	39,049	76,147	0%	
Commercial I	2,700	1,531,511	188,196	75,585	41,859	570,517	2,407,667	9%	
Commercial II	55	310,493	37,094	195,547	8,691	67,333	619,159	2%	
Commercial III	295	595,522	57,738	65,931	109,507	344,510	1,173,208	4%	
Golf Course	14	13,556	-	-	115	6,042	19,713	0%	
Hotel	55	2,483,411	169,215	54,328	41,738	701,873	3,450,565	12%	
Irrigation	30	2,708	1,296	666	355	1,323	6,348	0%	
Residential	48,281	4,309,876	831,402	419,808	304,877	6,038,422	11,904,385	42%	
	<b>52,272</b>	<b>\$ 11,081,056</b>	<b>\$ 2,330,922</b>	<b>\$ 2,336,603</b>	<b>\$ 718,478</b>	<b>\$ 11,624,742</b>	<b>\$ 28,091,801</b>	<b>100%</b>	
		39%	8%	8%	3%	41%			
Less Allowance for Doubtful Accounts: <u>(9,677,684)</u>									
Net Accounts Receivable: <b>18,414,117</b>									
Days Receivables Outstanding <input type="text" value="43"/>									

ACTIVE ONLY

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	441	\$ 1,804,619	\$ 1,041,372	\$ 1,522,307	\$ 210,516	\$ 3,855,673	\$ 8,434,487	37%	
Agriculture	378	29,267	4,486	2,369	775	4,123	41,019	0%	
Commercial I	2,556	1,523,554	187,979	74,480	37,868	303,028	2,126,908	9%	
Commercial II	38	310,493	37,094	195,547	8,691	67,333	619,159	3%	
Commercial III	278	595,522	57,686	65,789	109,475	299,551	1,128,023	5%	
Golf Course	12	13,556	-	-	-	-	13,556	0%	
Hotel	53	2,483,411	169,215	54,328	41,738	61,351	2,810,043	12%	
Irrigation	28	2,693	1,213	620	315	-	4,840	0%	
Residential	40,225	4,245,581	775,240	338,579	216,832	1,759,956	7,336,189	33%	
	<b>44,009</b>	<b>\$ 11,008,695</b>	<b>\$ 2,274,287</b>	<b>\$ 2,254,018</b>	<b>\$ 626,210</b>	<b>\$ 6,351,014</b>	<b>\$ 22,514,224</b>	<b>100%</b>	
		49%	10%	10%	3%	28%			
Less Allowance for Doubtful Accounts: <u>(9,677,684)</u>									
Net Accounts Receivable: <b>12,836,540</b>									

As of July 31, 2024

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	442	\$ 874,379	\$ 2,108,280	\$ 298,877	\$ 3,339,312	\$ 679,965	\$ 7,300,814	27%	
Agriculture	403	32,811	8,381	3,364	1,029	39,635	85,219	0%	
Commercial I	2,712	1,481,410	214,541	65,451	68,905	549,975	2,380,283	9%	
Commercial II	55	253,758	196,949	13,825	9,815	60,843	535,189	2%	
Commercial III	292	580,861	78,710	115,357	33,936	364,514	1,173,379	4%	
Golf Course	14	13,819	-	115	74	5,968	19,976	0%	
Hotel	55	2,254,018	187,336	59,405	28,757	714,004	3,243,520	12%	
Irrigation	30	2,667	1,557	622	396	1,295	6,538	0%	
Residential	48,147	4,301,548	840,760	482,495	293,998	5,949,480	11,868,282	45%	
	<b>52,150</b>	<b>\$ 9,795,273</b>	<b>\$ 3,636,513</b>	<b>\$ 1,039,512</b>	<b>\$ 3,776,222</b>	<b>\$ 8,365,679</b>	<b>\$ 26,613,199</b>	<b>100%</b>	
		37%	14%	4%	14%	31%			
Less Allowance for Doubtful Accounts: <u>(9,677,684)</u>									
Net Accounts Receivable: <b>16,935,516</b>									
Days Receivables Outstanding <input type="text" value="41"/>									

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	441	\$ 874,288	\$ 2,108,249	\$ 298,877	\$ 3,339,312	\$ 679,965	\$ 7,300,691	35%	
Agriculture	381	32,742	8,225	3,167	671	4,030	48,835	0%	
Commercial I	2,565	1,480,429	213,739	61,152	61,012	288,741	2,105,073	10%	
Commercial II	37	253,758	196,949	13,825	9,815	60,843	535,189	3%	
Commercial III	274	579,348	78,535	115,018	33,873	317,115	1,123,888	5%	
Golf Course	12	13,819	-	-	-	-	13,819	0%	
Hotel	53	2,254,018	187,336	59,405	28,757	73,482	2,602,998	12%	
Irrigation	28	2,585	1,511	582	353	-	5,030	0%	
Residential	40,223	4,237,074	775,911	403,953	217,231	1,734,028	7,368,197	35%	
	<b>44,014</b>	<b>\$ 9,728,060</b>	<b>\$ 3,570,454</b>	<b>\$ 955,978</b>	<b>\$ 3,691,024</b>	<b>\$ 3,158,204</b>	<b>\$ 21,103,720</b>	<b>100%</b>	
		46%	17%	5%	17%	15%			
Less Allowance for Doubtful Accounts: <u>(9,677,684)</u>									
Net Accounts Receivable: <b>11,426,037</b>									



**GUAM WATERWORKS AUTHORITY**  
**Accounts Payable Aging**

**SCHEDULE J**

As of	AGING						Total	Days Payable Outstanding
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days			
<b>August 31, 2024</b>	\$ 3,842,660 84%	\$ 111,212 2%	\$ 93,916 2%	\$ 57,752 1%	\$ 486,009 11%	<b>\$ 4,591,549</b> <b>100%</b>	32	
<b>July 31, 2024</b>	\$ 4,009,803 79%	\$ 134,790 3%	\$ 264,694 5%	\$ 256,064 5%	\$ 439,287 9%	<b>\$ 5,104,638</b> <b>100%</b>	35	
<b>June 30, 2024</b>	\$ 3,660,813 85%	\$ 50,995 1%	\$ 62,384 1%	\$ 13,419 0%	\$ 496,585 12%	<b>\$ 4,284,196</b> <b>100%</b>	32	

**GUAM WATERWORKS AUTHORITY  
WATER DEMAND BY RATE CLASS  
FY2015 - FY2024**

**SCHEDULE K**

CLASS	AUDITED										Annualized	% Inc / (Dec.)
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	FY2020 TOTAL CONSUMPTION (kGal)	FY2021 TOTAL CONSUMPTION (kGal)	FY2022 CONSUMPTION (kGal)*	FY2023 TOTAL CONSUMPTION (kGal)	FY2024 TOTAL CONSUMPTION (kGal)	Based on 11 months	
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	3,712,723	3,622,617	3,450,574	3,185,230	3,104,503	-3%	
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	818,460	816,393	834,318	2%	
F Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,389	1,099	1,343	22%	
G Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	470,581	445,116	499,026	12%	
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	462,757	554,767	637,254	15%	
G Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	3,796	6,415	819	-87%	
A Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	65,719	49,748	61,881	24%	
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	<u>8,654</u>	<u>5,404</u>	<u>4,888</u>	<u>3,242</u>	<u>3,473</u>	7%	
GRAND TOTAL	<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	<u>5,757,733</u>	<u>5,339,864</u>	<u>5,278,164</u>	<u>5,062,012</u>	<u>5,142,618</u>	2%	

**Guam Waterworks Authority  
System Development Charges Project Status  
As of August 31, 2024**

**SCHEDULE L**

**Funding Summary**

Total available project funds	\$ 19,229,133
Total project expenditures and encumbrances	12,445,814
Total unobligated project funds	<b>\$ 6,783,319</b>

**Projects Funded**

<b>Project Description</b>	<b>Expenditures</b>	<b>Outstanding Encumbrances</b>	<b>Expenditures and Encumbrances</b>
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,151,116	2,854	1,153,971
Central Guam Reservoirs	276,008	4,032	280,040
Line Replacement Phase IV	256,937	-	256,937
Northern District WWTP	7,552,513	-	7,552,513
Northern District WWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	519,227	-	519,227
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofof Sewer Improvement	-	241,142	241,142
Groundwater Well Production Meter Rep.	143,647	7,560	151,207
	<b>\$ 12,185,510</b>	<b>\$ 260,303</b>	<b>\$ 12,445,814</b>

**Future planned projects**

Water & Wastewater Hydraulic Modeling	2,145,556
Adacao Construction	4,492,186
	<b>\$ 6,637,742</b>

<b>Guam Waterworks Authority</b>		<b>Date:</b> 8/30/2024	 <b>GUAM WATERWORKS AUTHORITY</b> WATER DISTRIBUTION FACILITIES REPORT
		<b>Time:</b>	
<b>REVIEWS</b>			
TOTAL PUMPS INSTALLED	67	OVERALL AVERAGE	<b>96%</b>
TOTAL PUMPS OPERATIONAL	64	% OF OPERATING PUMPS	<b>96%</b>
TOTAL BOOSTER PUMP STATIONS	29		

Northern District													
NO:	FACILITY	PUMP HORSEPOWER	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
1	Yigo	20	3	3	100%	OP	A						
2	Gayinero	20	2	2	100%	OP	A						
3	Mataguac	25	2	1	50%	OP	A	Pump repairs completed, pending installation.					
4	Santa Rosa	15	2	2	100%	OP	A	Temporay BPS online. Main BPS under construction					
5	Barrigada 2M	40	2	2	100%	OP	A						
6	Barrigada Hieghts	30	6	6	100%	OP	A						
7	Chln. Palauan	5	2	2	100%	N/A	N/A						
8	Access	60	2	2	100%	OP	A						
9	Agana Hieghts	30	3	3	100%	OP	A						
10	Nimitz Hill	7.5	2	2	100%	N/A							
11	Adawag	1.5	2	2	100%	N/A	N/A						
12	Pale Kiren	1	1	1	100%	N/A	N/A						
13	Ulloa/Untalan	1	2	1	50%	OP	A	Inspection needed for pump 1 due to control tripping off.	1438166				
14	Asan	1.5	2	2	100%	N/A	N/A						
<b>TOTAL = 14</b>			<b>33</b>	<b>31</b>	<b>94%</b>								
pump availability =no of operational pumps/no of pumps*100%													

Central District													
NO:	FACILITY	PUMP HORSEPOWER	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	3	100%	OP	A						
2	Brigade	60	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	2	67%	OP	A	7-1-24 .Damaged shaft. Pending quotation for repairs.					
4	Santa Rita Spring	40	2	2	100%	OP	A		1392067				
5	Santa Ana (Lower)	25	2	2	100%	N/A	N/A						
6	Camacho	1	1	1	100%	N/A	N/A						
7	Tenorio	1.5	1	1	100%	N/A	N/A						
<b>Total=7</b>			<b>15</b>	<b>14</b>	<b>93%</b>								
pump availability =no of operational pumps/no of pumps*100%													

Southern District													
NO:	FACILITY	PUMP HORSEPOWER	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Malojloj Line	125 / 50	3	3	100%	OP	A	Pump 2 leaking on seal, pending quotation mechanical seals					
2	Geus	7.5	3	3	100%	OP	A						
3	Pigua	7.5	2	2	100%	N/A	N/A						
4	Toguan	10	2	2	100%	OP	A						
5	WBP-2	25	2	2	100%	OP	A						
6	WBP-1	5	2	2	100%	OP	A						
7	Malojloj Elevated	15	3	3	100%	OP	A						
8	Ija	7.5	2	2	100%	N/A	N/A						
<b>Total=8</b>			<b>19</b>	<b>19</b>	<b>100%</b>								
pump availability =no of operational pumps/no of pumps*100%													



**Guam Waterworks Authority**  
**VEHICLE FLEET STATUS**  
**9/6/2024**

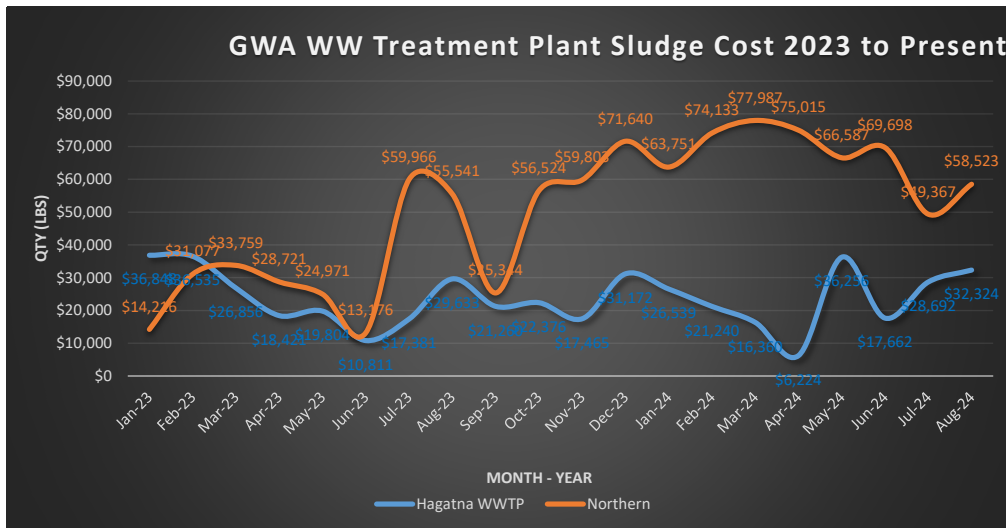
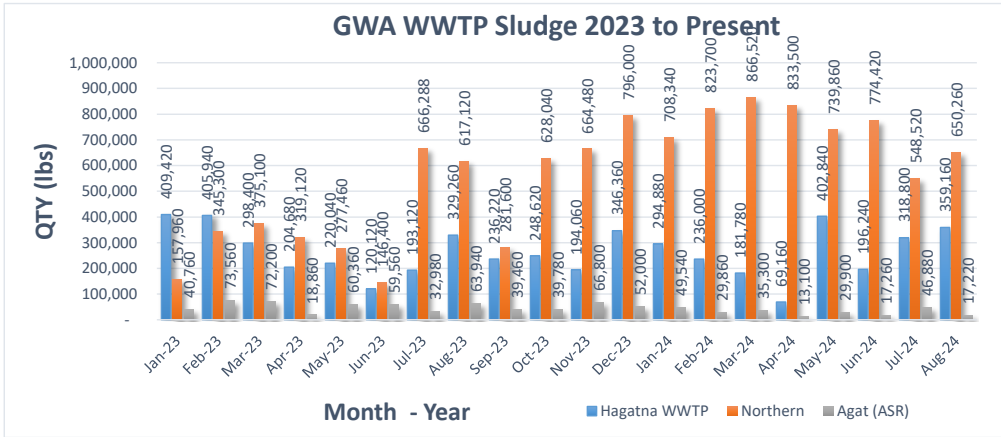
EQUIPMENT STATUS					SUMMARY						
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage	Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
Backhoe (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Dump Truck (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Trailer (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Backhoe	2	2	0	100%	1	1	0	0	0	0	0
Boom Truck	0	0	0	#DIV/0!	0	0	0	0	0	0	0
Crane	1	1	0	100%	1	0	0	0	0	0	0
Dump Truck	1	0	1	0%	0	0	0	0	1	0	0
Forklift	6	6	0	100%	6	0	0	0	0	0	0
Fuel Tanker	1	0	1	0%	0	0	0	0	0	0	1
Heavy Duty	13	10	3	77%	9	1	0	0	0	2	1
Hoist Rig	1	1	0	100%	1	0	0	0	0	0	0
Jetter	1	0	1	0%	0	0	0	0	0	1	0
Light	136	119	17	88%	116	3	2	8	3	3	1
Mini Backhoe	2	0	2	0%	0	0	0	0	2	0	0
Pumper Truck	1	0	1	0%	0	0	0	0	0	1	0
Skidster	1	1	0	100%	1	0	0	0	0	0	0
Sludge Truck	3	3	0	100%	3	0	0	0	0	0	0
Tractor	2	2	0	100%	1	1	0	0	0	0	0
Tractor Mower	1	1	0	100%	0	1	0	0	0	0	0
Trailer	17	12	5	71%	12	0	0	2	3	0	0
Trencher	1	0	1	0%	0	0	0	0	1	0	0
Vacuum Truck	6	4	2	67%	3	1	0	2	0	0	0
Water Buffalo	2	0	2	0%	0	0	0	2	0	0	0
Water Tanker	6	2	4	33%	2	0	0	4	0	0	0
Compressor	1	1	0	100%	1	0	0	0	0	0	0
Total	214	174	40		166	8	2	18	10	7	3

GWA Work Session - September 17, 2024 - GWA GM REPORT

2023	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs
Jan-23	409,420	\$36,848	157,960	\$14,216	40,760	\$3,668	608,140	\$54,733
Feb-23	405,940	\$36,535	345,300	\$31,077	73,560	\$6,620	824,800	\$74,232
Mar-23	298,400	\$26,856	375,100	\$33,759	72,200	\$6,498	745,700	\$67,113
Apr-23	204,680	\$18,421	319,120	\$28,721	18,860	\$1,697	542,660	\$48,839
May-23	220,040	\$19,804	277,460	\$24,971	60,360	\$5,432	557,860	\$50,207
Jun-23	120,120	\$10,811	146,400	\$13,176	59,560	\$5,360	326,080	\$29,347
Jul-23	193,120	\$17,381	666,288	\$59,966	32,980	\$2,968	892,388	\$80,315
Aug-23	329,260	\$29,633	617,120	\$55,541	63,940	\$5,755	1,010,320	\$90,929
Sep-23	236,220	\$21,260	281,600	\$25,344	39,460	\$3,551	557,280	\$50,155
Oct-23	248,620	\$22,376	628,040	\$56,524	39,780	\$3,580	916,440	\$82,480
Nov-23	194,060	\$17,465	664,480	\$59,803	66,800	\$6,012	925,340	\$83,281
Dec-23	346,360	\$31,172	796,000	\$71,640	52,000	\$4,680	1,194,360	\$107,492
<b>Grand Total</b>	<b>3,206,240</b>	<b>\$288,562</b>	<b>5,274,868</b>	<b>\$474,738</b>	<b>620,260</b>	<b>\$55,823</b>	<b>9,101,368</b>	<b>\$819,123</b>

2024	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs
Jan-24	294,880	\$26,539	708,340	\$63,751	49,540	\$4,459	1,052,760	\$94,748
Feb-24	236,000	\$21,240	823,700	\$74,133	29,860	\$2,687	1,089,560	\$98,060
Mar-24	181,780	\$16,360	866,520	\$77,987	35,300	\$3,177	1,083,600	\$97,524
Apr-24	69,160	\$6,224	833,500	\$75,015	13,100	\$1,179	915,760	\$82,418
May-24	402,840	\$36,256	739,860	\$66,587	29,900	\$2,691	1,172,600	\$105,534
Jun-24	196,240	\$17,662	774,420	\$69,698	17,260	\$1,553	987,920	\$88,913
Jul-24	318,800	\$28,692	548,520	\$49,367	46,880	\$4,219	914,200	\$82,278
Aug-24	359,160	\$32,324	650,260	\$58,523	17,220	\$1,550	1,026,640	\$92,398
Sep-24		\$0		\$0		\$0	-	\$0
Oct-24		\$0		\$0		\$0	-	\$0
Nov-24		\$0		\$0		\$0	-	\$0
Dec-24		\$0		\$0		\$0	-	\$0
<b>Grand Total</b>	<b>2,058,860</b>	<b>\$185,297</b>	<b>5,945,120</b>	<b>\$535,061</b>	<b>239,060</b>	<b>\$21,515</b>	<b>8,243,040</b>	<b>\$741,874</b>

Hagatna and Northern WWTP Sludge Report 2023 to present, GWA Operations kcog / da, 9/5/2024

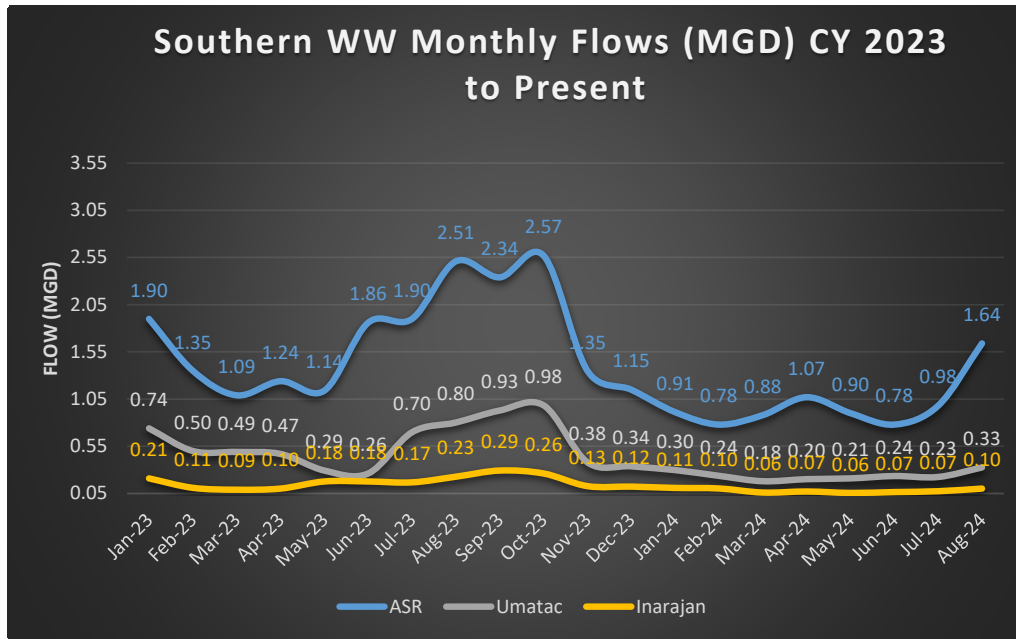
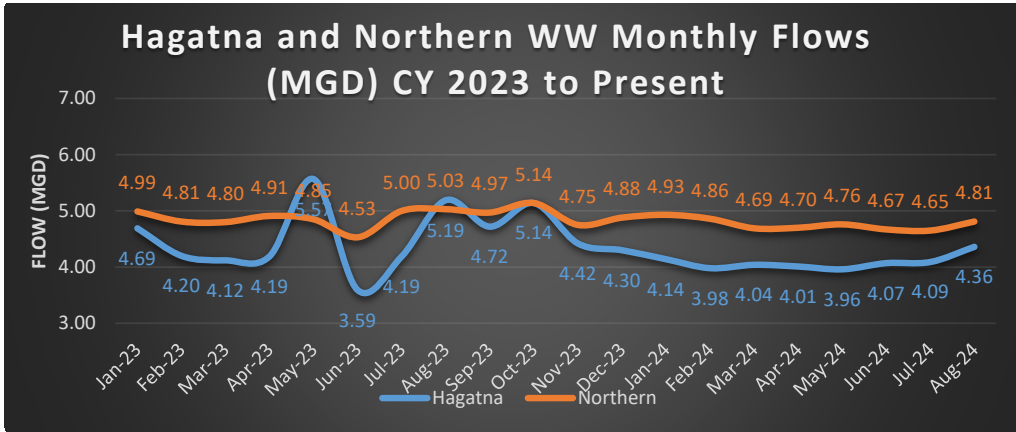


**Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day**

2023	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-23	4.69	4.99	1.90	0.74	0.21
Feb-23	4.20	4.81	1.35	0.50	0.11
Mar-23	4.12	4.80	1.09	0.49	0.09
Apr-23	4.19	4.91	1.24	0.47	0.10
May-23	5.57	4.85	1.14	0.29	0.18
Jun-23	3.59	4.53	1.86	0.26	0.18
Jul-23	4.19	5.00	1.90	0.70	0.17
Aug-23	5.19	5.03	2.51	0.80	0.23
Sep-23	4.72	4.97	2.34	0.93	0.29
Oct-23	5.14	5.14	2.57	0.98	0.26
Nov-23	4.42	4.75	1.35	0.38	0.13
Dec-23	4.30	4.88	1.15	0.34	0.12
<b>2023 Average MGD</b>	<b>4.53</b>	<b>4.89</b>	<b>1.70</b>	<b>0.57</b>	<b>0.11</b>
<b>2023 Total MGY</b>	<b>1,654</b>	<b>1,785</b>	<b>622</b>	<b>210</b>	<b>63</b>

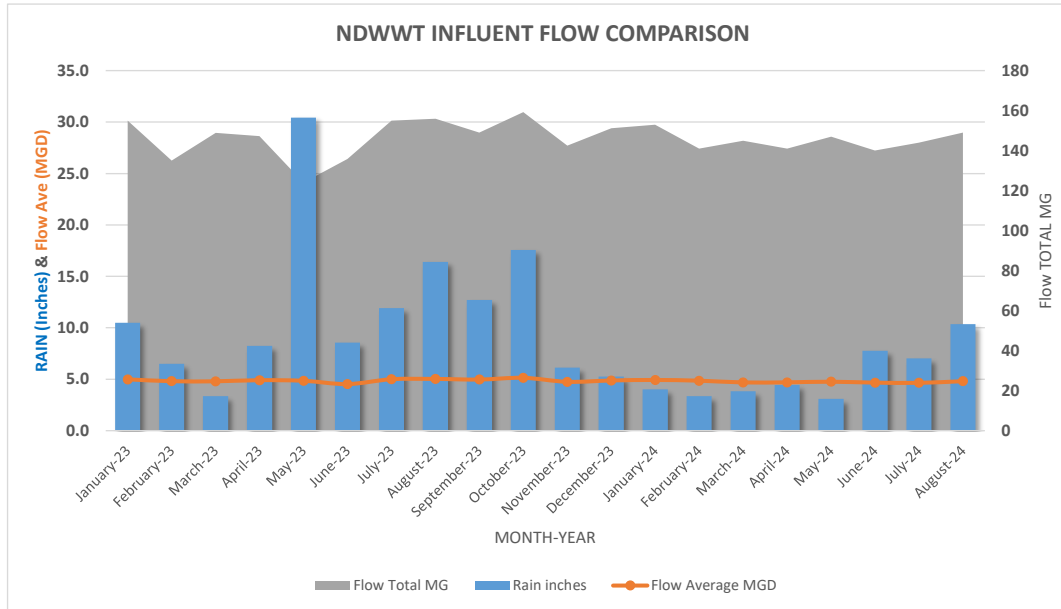
2024	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-24	4.14	4.93	0.91	0.30	0.11
Feb-24	3.98	4.86	0.78	0.24	0.10
Mar-24	4.04	4.69	0.88	0.18	0.06
Apr-24	4.01	4.70	1.07	0.20	0.07
May-24	3.96	4.76	0.90	0.21	0.06
Jun-24	4.07	4.67	0.78	0.24	0.07
Jul-24	4.09	4.65	0.98	0.23	0.07
Aug-24	4.36	4.81	1.64	0.33	0.10
Sep-24					
Oct-24					
Nov-24					
Dec-24					
<b>2024 Average MGD</b>	<b>4.08</b>	<b>4.76</b>	<b>0.99</b>	<b>0.24</b>	<b>0.08</b>
<b>2024 Total MGY</b>	<b>992</b>	<b>1,156</b>	<b>242</b>	<b>58</b>	<b>19</b>






NDWWT INFLUENT FLOW vs RAIN COMPARISON

Date	Rain inches	Flow Average MGD	Flow Total MG
January-23	10.5	4.99	155
February-23	6.5	4.81	135
March-23	3.4	4.80	149
April-23	8.2	4.91	147
May-23	30.4	4.85	124
June-23	8.6	4.53	136
July-23	11.9	5.00	155
August-23	16.4	5.03	156
September-23	12.7	4.97	149
October-23	17.6	5.14	159
November-23	6.1	4.75	143
December-23	5.3	4.88	151
January-24	4.0	4.93	153
February-24	3.4	4.86	141
March-24	3.8	4.69	145
April-24	4.4	4.70	141
May-24	3.1	4.76	147
June-24	7.8	4.67	140
July-24	7.0	4.65	144
August-24	10.4	4.81	149
September-24			
October-24			
November-24			
December-24			



GWA Work Session - September 17, 2024 - GWA GM REPORT

Guam Waterworks Authority		Date: 9/10/2024		 WASTEWATER FACILITIES REPORT											
REVIEWS				TOTAL PUMPS INSTALLED		OVERALL AVERAGE									
		186		82%											
		154		83%											
		84													
Northern District															
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES		
1	SOUTHERN LINK	1	4	2	50%	GPA	A	Pump #1 repairs were completed and installed. #1 is still secured due to burnt VFD. VFD needs replacing. VFD #3 is secured due to burnt VFD. Using #3 soft starter from Rt 16 to run pump. Pump #4 is secured due to burnt VFD. All pumps are operational. #1/#4 secured due to VFDs are burnt.	P#1 WO # 1429516 P#3 WO # 1470318 P#4 WO # 1471525	Engineering, PIT, and electricians are working with vendor to switch to soft starters.			pending OR from IT		
2	FUJITA	1	4	2	50%	GPA	A	Pump #2 was removed 11/3/22 due to seal failure. Using impeller from #2 on #4. 6/12/23, Pump #3 was connected to VFD #4 due to Pump #4 has a bearing issue, pump delivered to vendor 9/12 for repairs.	P#2 WO 1325701 P#4 WO 1376739	VFD #2 and #3 are inoperable and in need of replacement. (PIT are working on new replacement)			P#2 OR 54967 (pending PO) P#4 PO 502730 VFD OR 54834 (pending PO)		
3	YPAO	1	2	2	100%	GPA	A								
4	PASEO DE ORO	1	2	1	50%	GPA	A	Pump #1 was removed due to seal failure.	WO #1410711				OR 55164 (pending PO)		
5	HARMON	2	2	2	100%	GPA	A								
6	ROUTE 16	1	4	2	50%	GPA	M	P#1 was installed but is secured due to reading low amperage. Pending further investigation (possible worn impeller). P#3 secured 9/15/22 due to damaged volute and defective check valve. #4 back online using new softstarter.	P#3 WO #1332734	VFD #3 needs to be relaced. (PIT are working on new replacement) Calvin will be working on write up for new pumps, valves, and pedestals for #3 & #4.			PO 700356 (pending approval)		
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A								
8	LATTE SUN RISE	2	2	1	50%	GPA	A	7/31/23, Pump #1 was removed due to seal failure.	WO #1384262				OR 54657 (pending PO)		
9	LATTE SUBMARINE	2	2	2	100%	GPA	A								
10	LATTE PLANTATION	2	2	2	100%	GPA	A								
11	PGD	2	2	2	100%	GPA	A								
12	MACHECHE	2	2	2	100%	GPA	A								
13	HAFADA	2	2	1	50%	GPA	A	Pump #2 was removed due to motor was grounded.	WO# 1417247				PO 700474 (pending approval)		
14	YPAO PAO	1	3	2	67%	GPA	N/A	7/5/23 Pump #1 shorted as per electricians.	WO #1376523				P#1 OR54701 (pending PO)		
15	PACIFIC LATTE	2	2	2	100%	GPA	A								
16	YIGO	1	3	3	100%	GPA	A								
17	ZERO DOWN	2	2	1	50%	GPA	A	Pump #1 was secured due to motor was grounded. Pending pump removal.	WO #1431068				PO 700468 (pending approval)		
18	SANTA ANA	2	2	2	100%	GPA	A								
19	MACHANAONAO	1	2	2	100%	GPA	A								
20	FEMA 96	2	2	2	100%	GPA	A								
21	ASTUMBO 1	2	2	2	100%	GPA	A	7/30/23, Electrician found pump #1 open windings.	P#1 WO #1383026				P#1 OR 54658 (pending PO)		
22	ASTUMBO 2	2	2	1	50%	GPA	A	7/31/23, pump 1 was removed and installed at Astumbo #1 due to pump failure.							
<b>Total</b>	<b>22</b>		<b>52</b>	<b>40</b>	<b>77%</b>										

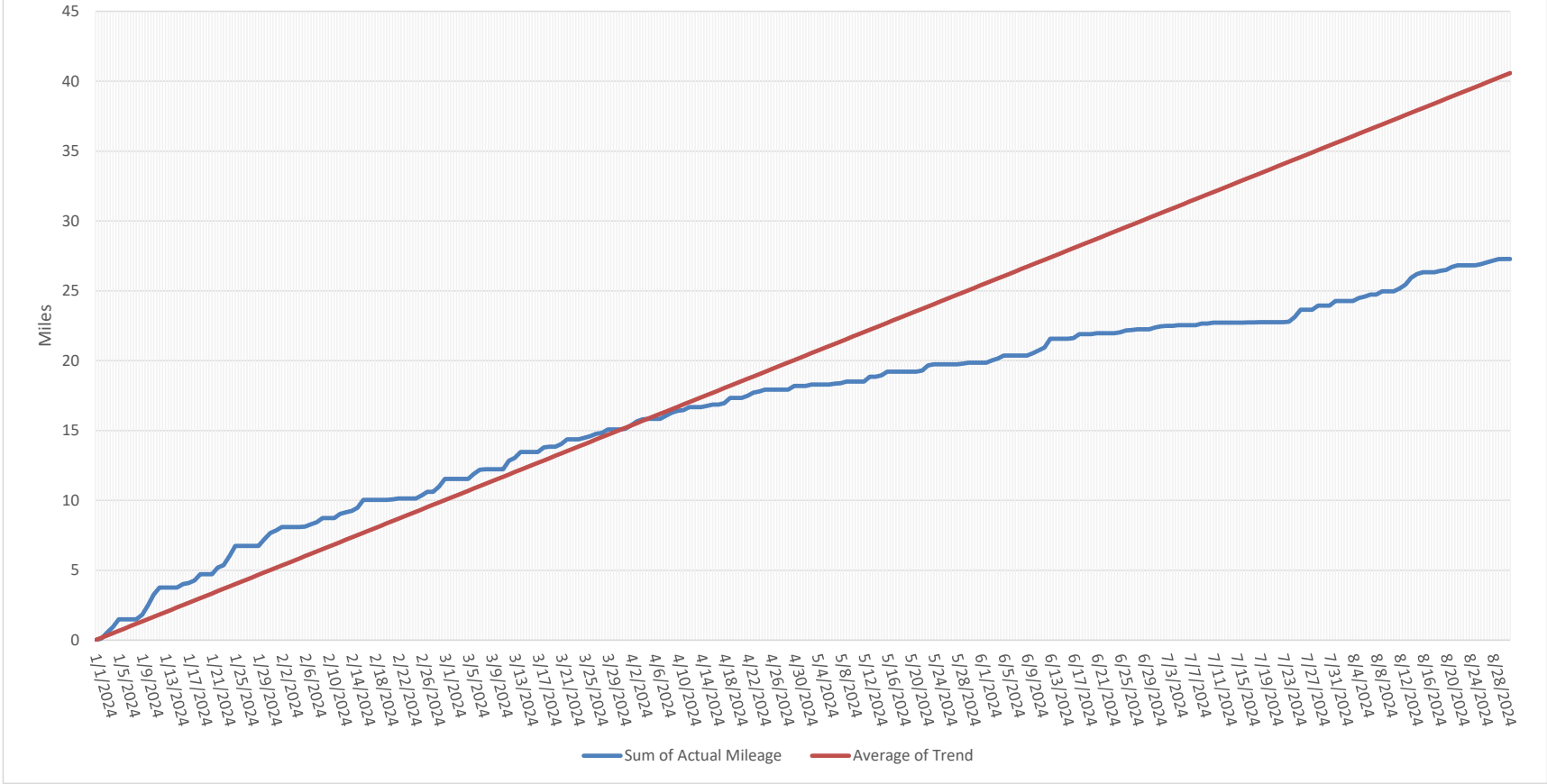
GWA Work Session - September 17, 2024 - GWA GM REPORT

Central District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	M						
2	COMMERCIAL PORT	1	3	3	100%	OP	A						
3	PITI	1	2	2	100%	GPA	A						
4	ASAN	1	2	2	100%	GPA	A						
5	SINAJANA	2	2	2	100%	GPA	A						
6	NEW CHAOT	1	3	2	67%	OP	A	Pump #2 was removed and brought to maintenance 2/18/22 due to broken pump shaft. Maintenance team is in the process of repiping lines for a new installation.	WO #1266707				Working with Engineering for station upgrades (CIP write up with procurement for review.)
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	1	50%	OP	A	6/3/23, Pump #1 was removed due to grounded motor. Pump was delivered to vendor for repairs 8/31	WO #1370938				PO 502639
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	2	100%	INOP	A						
12	DOUBLE SHAFT	1	3	3	100%	OP	A						
13	NAMU	2	1	1	100%	OP	A	Found motor defective. Motor was removed and new motor from Maite PS was installed. Motor was sent to vendor for repairs.	WO #1436402				PO 503203
14	TAI MANGILAO	1	3	2	67%	GPA	A	Pump #1 was removed and brought to maintenance 5/12/22 due to mechanical seal issue. Pump was delivered to vendor. Pending parts.	WO #1285248				PO 501491 repairs have been on hold due to prioritizing other stations.
15	MANGILAO	1	2	2	100%	GPA	A						
16	FIDIAN	2	2	2	100%	GPA	A						
17	LEYANG	2	2	2	100%	OP	A						
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	1	50%	OP	A	Electricians tested Pump #1 and found pump to be grounded.	WO # 1398315				OR 54742 (pending PO)
20	DAIRY	1	2	2	100%	INOP	A						
21	BARRIGADA	1	2	2	100%	GPA	A						
22	TOTO GARDENS	2	2	2	100%	INOP	A						
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	1	50%	Portable	A	Pump #2 was secured due to defective check valve.	WO #1444207				OR 10881(pending PO)
25	MAITE	2	2	1	50%	GPA	A	Motor #1 was removed and installed at Namu.					
26	BAYSIDE	2	2	2	100%	INOP	A	Pump #1/#2 softstarters are defective. Using contactor to bypass Softstarters for the meantime.	P1 WO #1466478 P2 WO #1464293				
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	2	67%	OP	A	Pump #2 was installed. While in operation, key slot for impeller rounded off. Need to make repairs.	WO # 1431182				
29	AGANA MAIN	1	4	2	50%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned. Pump #1 was secured due to burnt VFD.	WO #1384376	5/27/23, VFD #1 burnt. 5/29/23, VFD #3 burnt. (PIT are working on new replacement)			VFD OR 54833 (pending PO)
30	LOWER SUNSET	2	2	1	50%	N/A	N/A	Pump #1 in operation. Pump #2 needs to be replaced.	WO #1452742				
<b>Total</b>	<b>30</b>		<b>66</b>	<b>56</b>	<b>85%</b>								

GWA Work Session - September 17, 2024 - GWA GM REPORT

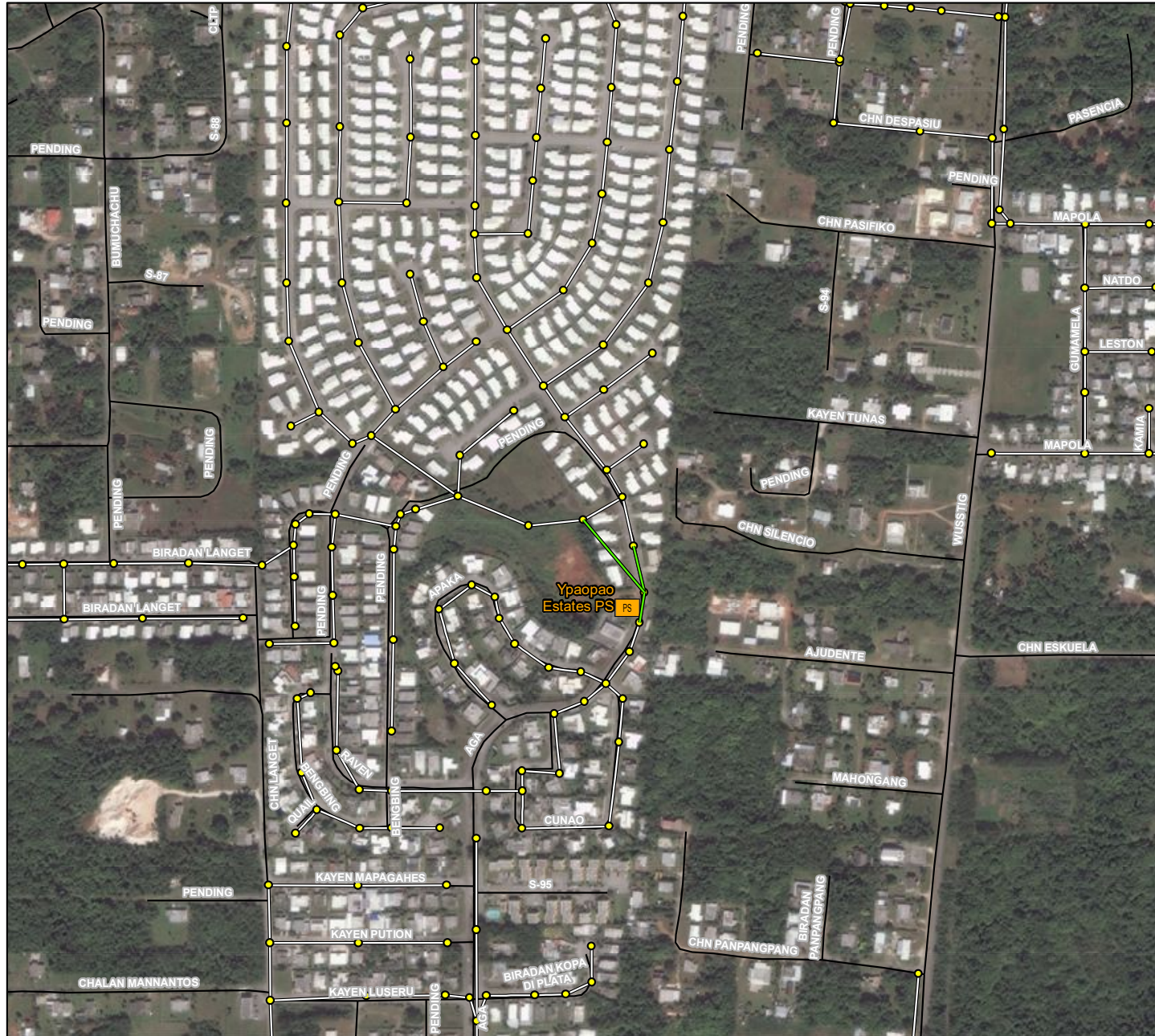
Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	2	50%	OP	MAN	Pump #2 was removed due to seal failure. Pump #3 was removed and brought to the vendor for repairs due to motor was grounded. Vendor is currently working on pump. ETA 2 weeks.	P #2 WO - 1461123 P #3 WO - 1461093	#2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from Southern Link for #5			VFDs replacement Bid is in process P#2 PO 700462 (pending approval) P#3 PO 700333
2	PUMP STATION #11	2	2	2	100%	INOP	AUTO						
3	PUMP STATION #12	1	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	2	100%	OP	AUTO						
5	PUMP STATION #15	1	2	2	100%	INOP	AUTO						
6	PUMP STATION #16	2	2	2	100%	OP	AUTO						
7	PUMP STATION #17	2	2	2	100%	OP	AUTO						
8	PUMP STATION #18	2	2	2	100%	OP	AUTO						
9	INARAJAN MAIN	1	2	2	100%	OP	AUTO						
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO						
11	TALAFORO	1	2	2	100%	OP	AUTO						
12	PAGACHAO	2	2	1	50%	NONE	NA	Pump 1 was removed and brought to maintenance due to pump is grounded.	WO #1393508				PO 700473 (pending approval)
13	CHALIGAN	2	2	2	100%	OP	MAN						
14	EJECTOR #2	2	2	2	100%	PORTABLE /INOP	NA						
15	EJECTOR #3	2	2	1	50%	PORTABLE /INOP	NA	Compressor #2 secured due to compressor not building air.	WO #1377595				OR 55165 (pending PO)
16	EJECTOR #4	2	2	1	50%	PORTABLE /INOP	NA	#1 is secured due to defective motor.	WO#1465108				OR 55166 (pending PO)
17	EJECTOR #5	2	2	1	50%	PORTABLE/INOP	NA	#2 was removed and installed at Ejector 7.					
18	EJECTOR #6	2	2	2	100%	PORTABLE/INOP	NA	#2 on standby due to main breaker needs to be upgraded.					
19	EJECTOR #7	2	2	2	100%	PORTABLE/INOP	NA	#1 on standby due to main breaker needs to be upgraded. Currently using compressor and motor from Ejector 5 on line #2.	WO #1399569				OR 55165/55166 (pending PO)
20	NORTH REYES	2	2	2	100%	PORTABLE/INOP	NA						
21	LEYON #3 (DanDan)	2	2	2	100%	OP	MAN						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	2	67%	OP	AUTO	66066 installed on line #1. 66067 installed at Windward on line #2. 66068 was removed due to hairline crack on shaft currently at maintenance for repairs. 66069 was removed on 1/8/24 due to seal failure.	66068 WO#-1472810 66069 WO#-1418194				66068 (pending OR) 66069 OR 55197 (pending PO)
25	Windward Hills	1	3	2	67%	OP	AUTO	61079 currently installed at baza #2 61105 installed on line #1. 61106 was removed due to seal failure. 61107 was removed 9/29 and brought to maintenance shop due to low megger and seal failure.	61106 - WO # 1461495 61107 - WO #1398233	PO 501369 for valves (pending approval)			61106 - pending OR 61107 OR 54740 (pending PO)
26	Aplacho	1	3	2	67%	OP	AUTO	7027 was removed and brought to maintenance due to motor grounded. 7029 was removed due to motor grounded. 7030 was removed due to grounded motor and delivered to vendor for repairs 8/31. New pump was installed due to motors in need of repairs.	7027 - WO #1463219 7029 - WO #1463215 7030 - WO #1374300				7027 - PO 700413 (pending approval) 7029 - PO 700415 (pending approval) 7030 - PO 502615
27	Ladera #1	2	2	2	100%	PORTABLE	MAN						
28	Ladera #2	2	2	2	100%	PORTABLE	MAN						
29	Ayuyu	2	2	1	50%	PORTABLE	MAN	Pump #1 was removed and is currently installed at Leyang PS. Needs rewind due to motor grounded. Pump is at maintenance.	WO #1399563				OR 54764 (pending PO)
30	Tenorio	2	2	2	100%	PORTABLE	MAN						
31	Taitague	2	2	2	100%	PORTABLE	MAN						
32	Hyundai	2	2	2	100%	OP	AUTO						
	<b>32</b>		<b>68</b>	<b>58</b>	<b>85%</b>								

### As of August 2024 CCTV/Sewer Cleaning Graph



Row Labels	Total Mileage of Sewer Lines Cleaned	Required Mileage of Sewer Lines to be Cleaned	Percent Completion
2024-01	7.67	5.21	147.2%
2024-02	3.33	4.87	68.3%
2024-03	4.09	5.21	78.5%
2024-04	3.11	5.04	61.7%
2024-05	1.67	5.21	32.1%
2024-06	2.39	5.04	47.4%
2024-07	1.70	5.21	32.6%
2024-08	3.33	5.21	64.0%
<b>Grand Total</b>	<b>27.28</b>	<b>40.98</b>	<b>66.6%</b>

→6,207 ft / 5 days = 1,241.4 ft required to be completed daily








Court Order Unit Work for AUG 2024

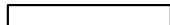


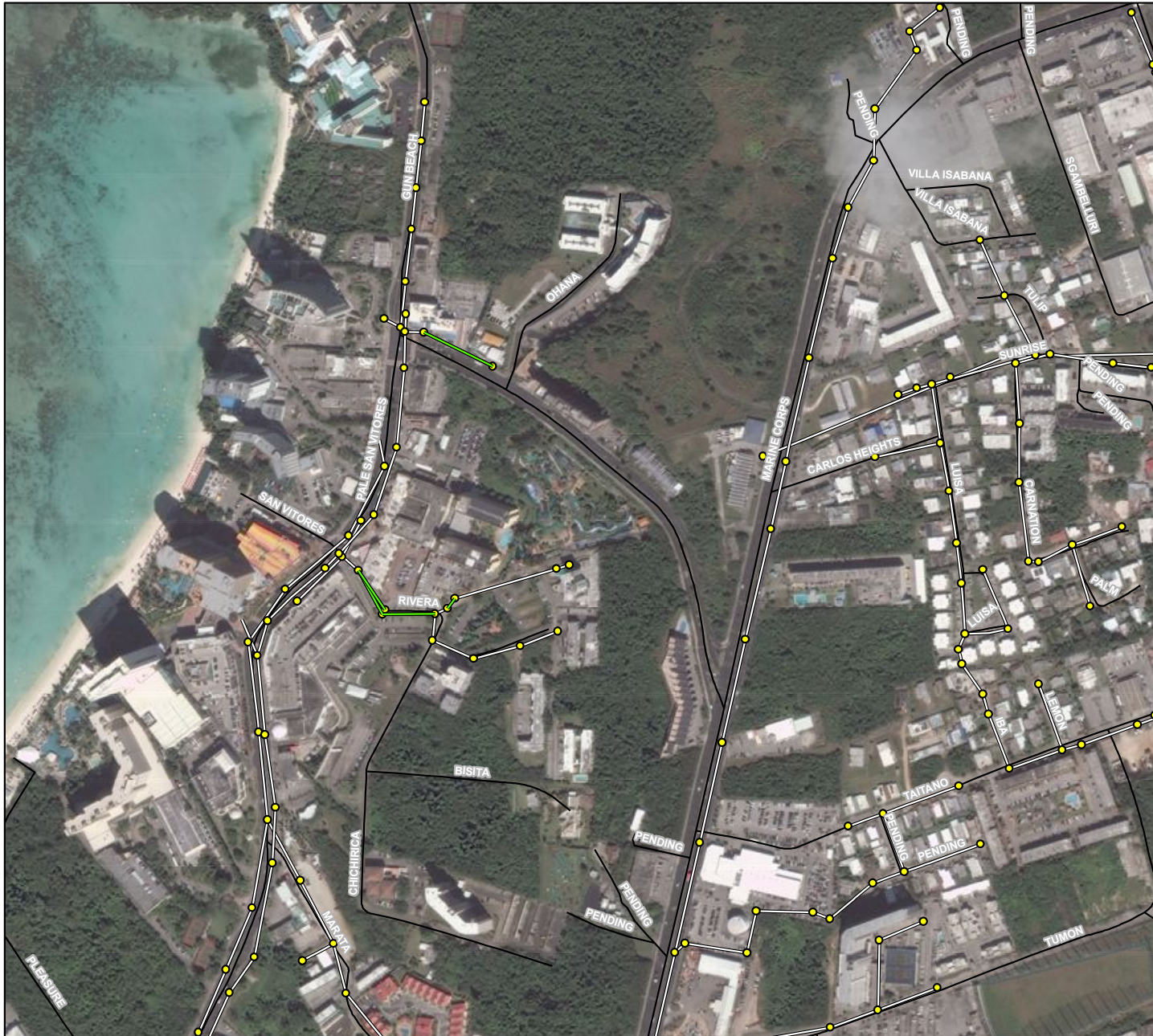
Location Map



**Legend**

-  Treatment Plant
-  Pump Station
-  Manhole
-  CCTV
-  Sewer Line

Scale  
500  
  
1 inch = 500 feet



### Court Order Unit Work for AUG 2024



Location Map



### Legend

- Treatment Plant
- Pump Station
- Manhole
- CCTV
- Sewer Line

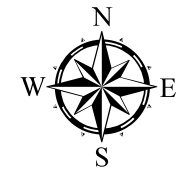
Scale  
500  
  
1 inch = 500 feet








Court Order Unit  
Work for AUG 2024



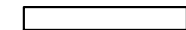
Location Map



**Legend**

-  Treatment Plant
-  Pump Station
-  Manhole
-  CCTV
-  Sewer Line

Scale  
500



1 inch = 500 feet








Court Order Unit  
Work for AUG 2024

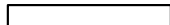


Location Map



**Legend**

-  Treatment Plant
-  Pump Station
-  Manhole
-  CCTV
-  Sewer Line

Scale  
500  
  
1 inch = 500 feet