



CONSOLIDATED COMMISSION ON UTILITIES

Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagåtña, Guam 96932 | (671) 648-3002 | guamccu.org

GUAM WATERWORKS AUTHORITY WORK SESSION

*CCU Conference Room
8:30 a.m., August 20, 2024*

AGENDA

1. CALL TO ORDER
2. GWA ISSUES FOR DECISION
 - 2.1 [Resolution No. 25-FY2024 – Relative to Approval of the Design Services Contract for the Gill Breeze Subdivision Water and Wastewater Infrastructure Project](#)
 - 2.2 Resolution No. 30-FY2024 – Relative to Approving the Charge-Off of Guam Waterworks Authority Receivables Deemed Uncollectible
 - 2.3 [Resolution No. 31-FY2024 – Relative to Approval of FY2024 Budget Adjustment to Address Navy Water Increase](#)
 - 2.4 [Resolution No. 32-FY2024 – Relative to Approval of the Guam Waterworks Authority Fiscal Year 2025 Operations and Maintenance Budget](#)
3. [GWA GM REPORT](#)
 - 3.1 [Administration](#)
 - 3.2 [Compliance](#)
 - 3.3 [Engineering / Capital Improvement Program](#)
 - 3.4 [Financial](#)
 - 3.5 [Operations](#)
 - 3.6 Other
4. OTHER DISCUSSION
5. ANNOUNCEMENTS
 - 5.1 Next CCU Meetings: August 22, 2024 - GPA WS at 8:30 a.m.
August 27, 2024 - CCU Regular Board Meeting at 5:30 p.m.
6. EXECUTIVE SESSION
 - 6.1 [Litigation Matter](#)
7. ADJOURNMENT



Issues for Decision

Resolution No. 25-FY2024

Relative to Approval of Design Service Contract for the Gill Breeze Water and Wastewater Infrastructure Project, GWA Project No. 22401

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

The residents of the Gill Breeze Subdivision currently do not have access to water utilities or wastewater disposal systems. The lack of access to water and wastewater utilities for proper sanitation poses a major health risk to the residents of the Gill Breeze Subdivision and has been the subject of considerable work by the U.S. Environmental Protection Agency (US EPA) to resolve. The intent of this project is to remediate the situation by providing the residents of the Gill Breeze Subdivision with properly designed and constructed water infrastructure and onsite or public wastewater disposal systems.

Where is the project located?

The Gill Breeze Subdivision is located in Yigo, Guam.

How much will it cost?

GWA Management seeks CCU approval of the negotiated Scope and Fee Proposal for Design Services, from the selected respondent of Dueñas Camacho & Assoc. at a total of Three Million Three Hundred Ninety-Six Thousand One Hundred Three Dollars (\$3,396,103.00), plus a ten percent (10%) contingency of Three Hundred Thirty-Nine Thousand Six Hundred Ten Dollars and Thirty Cents (\$339,610.30), to bring the total authorized funding amount to Three Million Seven Hundred Thirty-Five Thousand Seven Hundred Thirteen Dollars and Thirty Cents (\$3,735,713.30).

Contract Amount:	\$3,396,103.00
Contingency (10%):	<u>\$ 339,610.30</u>
Total Authorized Amount:	\$3,735,713.30

When will it be completed?

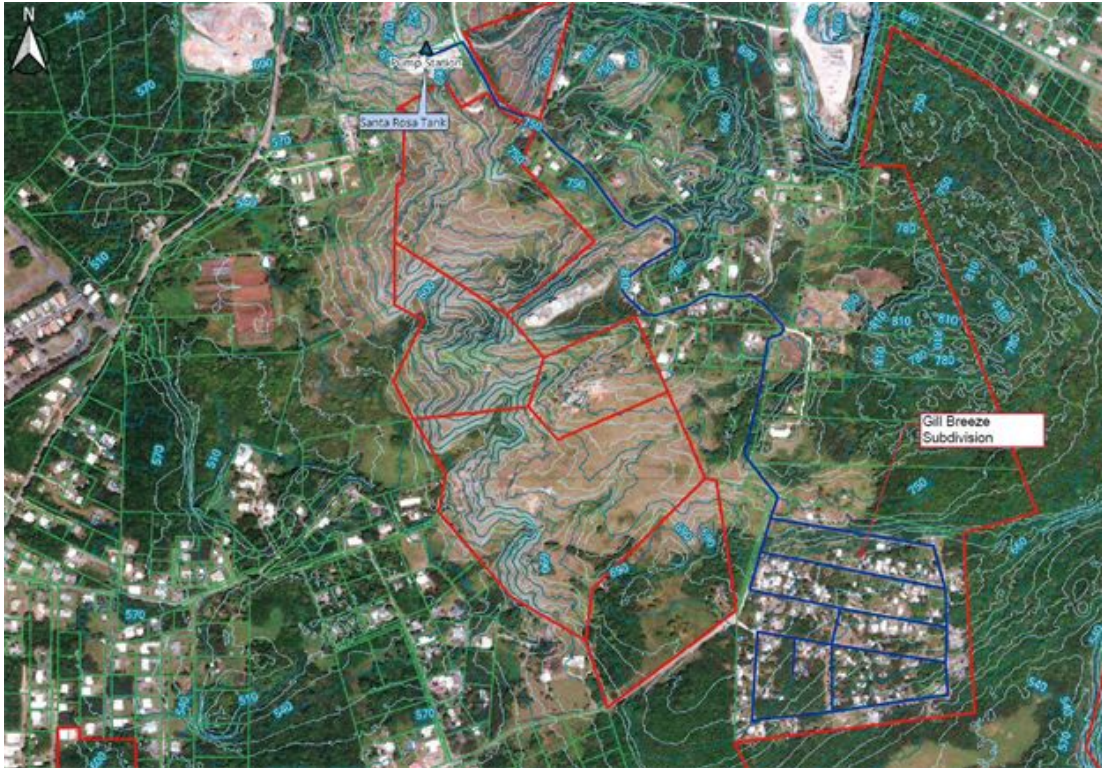
The anticipated design will be completed in June of 2026, and construction procurement will begin upon completion of the design.

What is the funding source?

United States Environmental Protection Agency grants

The RFP/BID responses (if applicable):

- RFP-01-ENG-2024
- 25 registered for the project
- 4 proposals were received
- Duenas, Camacho & Associates is recommended for award



Gill Breeze Subdivision



CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

GWA RESOLUTION NO. 25-FY2024

**RELATIVE TO THE APPROVAL OF DESIGN SERVICE CONTRACT FOR THE
GILL BREEZE SUBDIVISION WATER AND WASTEWATER INFRASTRUCTURE
PROJECT, GWA PROJECT NO. 22401**

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

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

WHEREAS, The Gill Breeze Subdivision located in Yigo, Guam does not have access to water utilities or wastewater disposal systems; and

WHEREAS, the lack of access to water and wastewater utilities for proper sanitation poses a major health risk to the residents of the Gill Breeze Subdivision; and

WHEREAS, the U.S. Environmental Protection Agency (US EPA) has expended considerable resources to address this issue and approved the use of US EPA grant funding to resolve this long-standing issue for this underserved community; and

WHEREAS, the intent of the project is to provide the Gill Breeze Subdivision with properly designed and constructed water infrastructure and onsite or public wastewater system disposal system to meet the needs of the residents; and

WHEREAS, GWA advertised the Request for Proposal (RFP-01-ENG-2024) soliciting a statement of qualification from experienced and qualified engineering firms to provide engineering design services for the Gill Breeze Subdivision Water and Wastewater Infrastructure project; and

1 **WHEREAS**, Request for Proposal (RFP) packages were downloaded by multiple
2 interested parties, from which GWA received proposal submittals from four (4) engineering
3 firms before the RFP submittal deadline of March 12, 2024; and
4

5 **WHEREAS**, the GWA Selection Committee reviewed and evaluated all four (4)
6 proposals, making a top three (3) ranking list of the most qualified firm (SEE EXHIBIT A –
7 Evaluation Summary), which indicated Duenas Camacho & Associates, Inc. (“DCA”) as the
8 highest ranked firm; and
9

10 **WHEREAS**, the GWA Selection Committee submitted for the General Manager’s
11 (“GM”) determination of selection, the ranking of firms evaluated from which GWA could
12 begin scope and fee negotiations with the selected firm (SEE EXHIBIT B – GM
13 Determination); and
14

15 **WHEREAS**, after selection, GWA engineering began and completed extensive
16 negotiations with DCA on the proposed Scope and Fees (SEE EXHIBIT C – Scope and Fee
17 Proposal) for the Gill Breeze Subdivision Water and Wastewater Infrastructure Design Services,
18 resulting in a final proposal of a total of Three Million Three Hundred Ninety-Six Thousand One
19 Hundred Three Dollars and Zero Cents (\$3,396,103.00); and
20

21
22 **WHEREAS**, GWA Management seeks CCU approval of DCA’s Scope and Fee Proposal
23 for the Design Services, for a total of Three Million Three Hundred Ninety-Six Thousand One
24 Hundred Three Dollars (\$3,396,103.00), plus a ten percent (10%) contingency of Three Hundred
25 Thirty-Nine Thousand Six Hundred Ten Dollars and Thirty Cents (\$339,610.30), to bring the
26 total authorized funding amount to Three Million Seven Hundred Thirty-Five Thousand Seven
27 Hundred Thirteen Dollars and Thirty Cents (\$3,735,713.30).
28

29 **WHEREAS**, funding for this project will be from the USEPA Grant funds awarded to
30 GWA for this project; and
31

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

- 3 1. The recitals set forth above hereby constitute the findings of the CCU.
- 4 2. The CCU finds that the terms of the Scope and Fee Proposal as described in
5 EXHIBIT C, are fair and reasonable.
- 6 3. The CCU hereby authorizes the management of GWA to accept the Scope and
7 Fee Proposal from DCA in the amount of Three Million Three Hundred
8 Ninety-Six Thousand One Hundred Three Dollars (\$3,396,103.00).
- 9 4. The CCU hereby further approves the funding total of Three Million Three
10 Hundred Ninety-Six Thousand One Hundred Three Dollars (\$3,396,103.00),
11 plus a ten percent (10%) contingency of Three Hundred Thirty-Nine
12 Thousand Six Hundred Ten Dollars and Thirty Cents (\$339,610.30), to bring
13 the total authorized funding amount to Three Million Seven Hundred Thirty-
14 Five Thousand Seven Hundred Thirteen Dollars and Thirty Cents
15 (\$3,735,713.30).
- 16 5. The CCU further approves management to duly notify the Public Utilities
17 Commission that this contract will exceed One Million Dollars
18 (\$1,000,000.00), and is funded by USEPA Grant Funds.

19
20 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption
21 of this Resolution.

22
23 **DULY AND REGULARLY ADOPTED**, this 27th day of August 2024.

24
25 Certified by:

25 Attested by:

26
27 _____
28 **JOSEPH T. DUENAS**

26
27 _____
28 **PEDRO ROY MARTINEZ**

29 Chairperson

29 Secretary

30 //

31
32 //

EXHIBIT A



GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building 688 Route 15 Mangilao, Guam 96913

April 18, 2024

To: Jeanet Babauta Owens
Assistant General Manager, Engineering

From: Josephine E. Smith, PMBA
Chairperson, Consultant Selection Board

Subject: RFP-01-ENG-2024
Gill Breeze Subdivision Water and Wastewater Infrastructure
GWA Project No. 22401

The following information is intended to document the evaluation process undertaken for the referenced solicitation:

EVALUATION COMMITTEE MEMBERS	
Name	Title
Vincent EC Pangelinan	Operations and Maintenance Manager
Garrett K.A. Yeoh	Senior Engineer
George J. Watson	Senior Engineer
Rylma Nida A. Carino	Junior Engineer
Jude G. Calvo	Planner IV

Offerors	Evaluation Score					Total	Rank
1. Duenas, Camacho & Associates, Inc.	87	76	81	93	81	418	1
2. EMPSCO	90	75	83	92	75	415	2
3. GHD Inc.	84	76	79	91	75	405	3
4. E.M. Chen & Associates, Inc.	85	78	78	90	73	404	4

Scores were evaluated based on the sum of individual scores. The recommendation of the Evaluation Committee is shown in the ranking above.

For your review and approval. Notification letters will be issued thereafter.

Approved by:


Jeanet Babauta Owens

EXHIBIT B



GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building 688 Route 15 Mangilao, Guam 96913

MEMORANDUM

To: Miguel C. Bordallo, P.E.
General Manager

From: Jeanet Babauta Owens *JBO*
Assistant General Manager, Engineering

Subject: RFP-01-ENG-2024
Gill Breeze Subdivision Water and Wastewater Infrastructure
GWA Project No. 22401


Date: April 19, 2024

The Selection Committee has completed all necessary actions for selecting the most qualified consultants for the referenced solicitation. All proposals were reviewed and scored according to the conditions established in the solicitation. The Evaluation Summary is attached for your information.

The committee recommends the following top three (3) firms in order of preference for the project:

1. Duenas, Camacho & Associates, Inc.
2. EMPSCO
3. GHD Inc.

Concurred:



Vincent E. Guerrero
Supply Management Administrator

4/22/2024


Date

GENERAL MANAGER'S DETERMINATION

Consultant Firm Selected:

Duenas Camacho & Assoc.

Remarks:



Miguel C. Bordallo, P.E.
General Manager

2024.4.22

Date



Website: www.dcaguam.com
 Email: dca@dcaguam.com

July 29, 2024
 Miguel C. Bordallo, P.E.
 General Manager, Guam Waterworks Authority
 Gloria B. Nelson Public Service Building
 688 Route 15
 Mangilao, Guam, 96913

Attn: George Watson, GWA Project Engineer
 Subject: **Request for Proposal RFP-01-ENG-2024 Gill Breeze Subdivision Water and Wastewater Infrastructure GWA Project No. 22401**
 Re: **Fee Proposal, Supporting Narrative**

Hafa Adai Mr. Watson,

At GWA’s request Dueñas, Camacho & Associates (DCA) is providing supporting narrative for the proposed subject project fee.

Alt, Assessment and BOD	\$ 530,568.00
Water System Design	\$ 975,947.00
Waste Water System Design	\$ 1,389,588.00
Post Design*	\$ 500,000.00
Total:	\$ 3,396,103.00

1. The projected infrastructure for this project is over 26,000f of water and sewer line, 1 new water pump station, up to two sewer lift stations and/or a new package wastewater treatment plant to serve the Gill Breeze area. The rough order magnitude of construction for this is at \$50M. Design fees range typically ranges between 6-12% not including post design or environmental works. DCA’s design fee includes environmental works and is at 6%. This is within industry standards.
2. In 2022, DCA negotiated the Adacao Water and WW improvements with a design fee of \$1.6M. This project is at 90% design with an estimated construction cost of \$24M. Our proposed design fee for subject project is in the same order as Adacao.
3. We have estimated 375 design sheets for this project. This equates to \$6,300/sheet which is within industry standards.
4. This fee proposed is approximately \$280,000 (8%) less that our initial fee.

We believe the proposed fee fees are fair and reasonable.

Sincerely,

Kenneth M. Rekdahl, P.E.
 Vice-President
 Dueñas, Camacho & Associates, Inc.

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Exhibits

Exhibit A	Water Option 1
Exhibit B	Water Option 2
Exhibit C	Sewer Option 1
Exhibit D	Sewer Option 2
Exhibit E	Sewer Option 3

Design Schedule

1. Introduction

The Gill Breeze Subdivision does not have water utilities or wastewater disposal systems. The lack of proper sanitation poses a major health risk for residents. The intent of the project is to provide water service to this area and provide onsite or public wastewater disposal systems.

This project will provide the engineering design, construction bid support, and associated services to accomplish the following goals:

1. Design a potable water system.
2. Evaluate wastewater disposal options.
3. Design the selected wastewater disposal option.

1.1. Water

Two projected options for booster pump station and waterline locations are identified below and shown in Exhibits A and B.

Water Option 1: Construction of a water main from the Santa Rosa Tank and future booster pump to the top of Mt. Santa Rosa to connect to the Gill Breeze water system. An easement will be required for this option.

Waterline	15,000	ft
Pump Station	1	
Bld	6,400	sqft
Total hp	40	hp
Power needs		
Standby Power	TBD	
New Lot Purchase	40,000	sqft
New Easement	30,000	sqft

Estimated Infrastructure Needs

Water Option 2: Construction of a water main from a hydrant on Gayinero Road to the Gill Breeze water system. A booster pump station and land will be required for this option. From the evaluations, the A/E firm shall develop plans and specifications to implement the improvements, which may include new water lines, new booster

stations, new control valves, valve vaults, flow metering, SCADA, and all other required system upgrades necessary for the system to function properly. Topographical survey, boundary survey, property acquisition, and construction support services will be required under this task.

Waterline	12,000	ft
Pump Station		
Bld	6,400	sqft
Total hp	30	hp
Break tank	200,000	gal
Power needs		
Standby Power	TBD	
New Lot Purchase	45,000	sqft
New Easement	N/A	sqft

Estimated Infrastructure Needs

1.2. Wastewater

Three projected options for wastewater pump station and sewer location, septic tank and onsite treatment systems are identified below and shown in Exhibits C, D and E.

Wastewater Option 1: Install a public wastewater system and pump station in the Gill Breeze Subdivision. The nearest public wastewater system is located along Gayinero Road, west of the Route 15/Gayinero Road intersection.

Gravity Sewer Line	13,500	ft
Forcemain	5,000	ft
Lift Station-1	6,400	sqft
Total hp	30	hp
Lift Station-2	6,400	sqft
Total hp	30	hp
Power needs		
Standby Power	TBD	
New Lot Purchase	40,000X2	sqft
New Easement	NA	sqft

Estimated Infrastructure Needs

Wastewater Option 2: Installation of septic tank/leaching field systems on Gill Breeze Subdivision lots. The analysis shall include the following considerations:

- A. Current and proposed laws governing septic tank installations and minimum lot sizes.
- B. Current and proposed laws governing the Groundwater Protection Zone.
- C. Impacts that onsite wastewater disposal systems at the Gill Breeze Subdivision may have on the Northern Guam Lens Aquifer in that area, as a drinking water source.

Gravity Sewer Line	NA	ft
Forcemain	NA	ft
Lift Station	NA	sqft
Total hp	NA	hp
Power needs		
Standby Power		
New Lot Purchase	NA	sqft
New Easement	NA	sqst

Estimated Infrastructure Needs

Wastewater Option 3: Install a public wastewater system pump station and centralized wastewater treatment plant in the Gill Breeze Subdivision.

Gravity Sewer Line	9,000	ft
Forcemain	30	ft
Lift Station	Part of WWIP	sqft
New Lot Purchase	Part of WWIP	sqft
Total hp	10	hp
Power needs		
Standby Power	TBD	
Treatment Plant	40	hp
Headworks	15	hp
control/generator		
Treatment Tank/pond	15	hp
Drying Bed	4	ea
Treatment Lot Purchase	174,240 (4 acres)	sqft

Estimated Infrastructure Needs

1. Under this option only limited wastewater characterization will be done. Samples will be collected from influent to the NDWWTP and analyzed and/or send to no less than two package type treatment system suppliers.
2. No outfall or disinfection design will be provided for. It is expected that overland disposal will be the means for effluent discharge.
3. Pre-treatment will consist of mechanical screen and grit removal similar to that of the Baza Gardens pump station.
4. Treatment is anticipated to be secondary package type system similar to the Inarajan WWTP or an extended aeration treatment system.

An initial desktop assessment with site visits and interviews will be conducted. Desktop resources will include GIS data for property boundaries, lidar for contour needs, and aerial imagery for land use.

DCA will deploy aerial drone equipment to better ascertain existing land uses and vegetation types.

Items for to be reviewed though this assessment will include:

- a. Existing GWA systems and operations
- b. Existing site conditions and facilities
- c. Existing site operation
- d. Propose site improvements or development
- e. Preliminary site layout
- f. Existing property ownership and property acquisition needs
- g. Grading requirements
- h. Drainage requirements and stormwater management.
- i. Piping, manhole, and valving requirements
- j. Operational requirements
- k. Fire and emergency storage requirements
- l. Electrical power supply
- m. Construction access
- n. Construction sequencing
- o. Future expandability
- p. Laydown area for proposed and future building infrastructure
- q. Ingress/Egress Requirements

Water and wastewater loadings will be determined using the current and future land uses. Water and wastewater system hydraulic analysis will be performed to determine initial line

sizes and alignment, sewerline slopes, force main location(s). The analysis shall include evaluation of the required storage, fire, and emergency flows for the service zones, reservoir elevations, and system control valve locations. Design consultant shall utilize EPANET or other modeling software (GWA approval is required). The consultant shall use the GWA's hydraulic model as the basis point.

1.3. Alternative Analysis

An alternative analysis will be conducted on the options listed above. This alternatives analysis will use the following to compare options:

- Capital and operating cost
- Operations complexity
- Future capacity
- Land Requirements
- Environmental Matters (federal and local permitting needs)

These analyses will be presented in a draft Site Assessment and alternatives analysis report (Assessment Report). This report will include:

1. Results from desktop analysis
2. Conceptual system layouts to include waste and wastewater system layout/sizes, pump and lift station location and sizes
3. Construction estimates developed for alternatives comparison
4. Option recommendations
5. Environmental permitting needs
6. Land acquisition needs

A Final Site Assessment and alternatives analysis report (30% Design) will be issued with comments from GWA addressed.

2. Post Assessment

Once GWA approves the Site Assessment and alternatives analysis report DCA will begin the following post assessment activities needed for design development.

2.1. Easement and Land Acquisition Assistance

Research property ownership and begin dialog with owner to secure property. This work will include:

- Property research
- Communication with landowners
- Right of entry letters and coordination
- Draft property mapping
- Encumbrance reports
- Appraisal reports
- Re-zoning support through draft legislation. GLUC support excluded.

Estimated number of lots to be acquired: 3

2.2. Environmental and Biological

Provide environmental services to determine any adverse impact of the project on cultural and biological resources and to make recommendations regarding their historical and biological resources. This shall include a technical report, which defines background research, field methodology, results of survey and mitigation recommendations.

The archeological subconsultant will conduct cultural resource inventory and evaluation of historic resources that might be affected by this project. This will require preparing and submitting an inventory survey plan, conducting inventory survey, and reporting to the Department of Parks and Recreation/Guam Historic Preservation Office and all other required agencies (which may include Department of Agriculture, Guam Environmental Protection Agency, U.S. Fish and Wildlife Services, and etc.) regarding the project and recommendations as to eligibility and effect from the undertaking. The technical report will include background research, field methodology, results of survey and mitigation recommendations.

Biological support will include a site assessment and coordination with local department of agriculture and federal fish and wildlife agencies.

Letters of no significant findings will be prepared for both archeological and biological resources.

If significant findings are present, DCA will work with GWA to identify alternate means or rescope for EA/EIS and further consultation needs.

2.3. Topographic and As-Built Survey:

DCA will conduct topographic surveying and mapping of the project area where existing water and sewer facilities are located/situated. DCA will also conduct topographic and as-built surveys and mapping of any additional areas where temporary/new or relocated water and sewer facilities are expected to be located. Survey for new water and sewer lines will be based on a 60ft corridor. Units will be in US Feet

- Areas identified as certain needs for infrastructure and with no adverse land matters will be surveyed immediately after NTP.
- Areas identified in the assessment report and with no adverse land matters will be surveyed immediately after approval of assessment report.
- Remaining areas will be surveyed either upon right of entry or after receiving land ownership.

2.4. Geotechnical Investigations

Geotechnical investigations will be performed to assess the stability of the sub-grade and develop a soils report, including field exploration and laboratory tests, corrosion, and seismic investigations. The geotechnical investigations will assess the general conditions of the project site and provide design recommendations for the proposed water and wastewater system, including the following:

- a. Characterization of earth materials and ground water level
- b. Development of seismic design criteria per 2009 IBC
- c. Determination of bearing pressure and settlement
- d. Lateral earth pressures – static and seismic
- e. Assessment of liquefaction potential
- f. Foundation design of the proposed structures
- g. Earthwork requirements

3. Design

3.1. Water/Wastewater Pump Stations

The Basis of Design Report at the minimum shall address the following:

- Geotechnical report and recommendations
- Structural characteristics (Seismic Zone 4)
- Hydraulic system analysis assumptions
- Site operational flexibility
- Proposed construction schedule with major work items

- Intrusion alarms, site security, site development, maintenance, and all other necessary criteria required for a fully function water booster pump station. If a station is included in the design, conduits for future telecommunications cables (for SCADA, etc.) will be included in the design.
- Design a ventilation system for the pump station with adequate air changes.

3.2. Water

- Water booster station criteria shall include site location, current and future system demand requirement, pump and motor sizing, VFD requirements, pump skid unit requirements, pump system control, flow metering and pressure indicator instrumentation, power requirements and power surge protection, site access, emergency power, SCADA,
- Proposed locations for system control valves (PRV, PRSV, etc.), including the need for new waterline in the system to convey to water to service zone(s).

3.3. Wastewater Collection

- Perform hydraulic calculations and provide all hydraulic information, including pump curves and system curves using Flygt or Sulzer pumps. These pump manufacturers are required, as GWA's critical spare parts inventory consists of Flygt and Sulzer parts.
- Design a solids removal system/screening for the pump station with the intention to prevent large solids from damaging pumps and consider the need for grinder pumps.
- Design a permanent lifting system within the pump station to lift up pumps for maintenance purposes.
- Design pump station to include worker accessibility to controls, pumps, valves, etc. (e.g., valves are not to be placed in the wet well).
- Design a ventilation system for the pump station with adequate air changes.
- Recommend other components that will improve operation and maintenance efficiency, such as variable frequency drive, solar lighting or reusable materials.

3.4. Wastewater Treatment

Septic tank and leaching field systems

Septic tank and leaching field systems shall be designed per applicable standards and requirements including Guam Environmental Protection Agency and Department of Public Works regulations.

Central Treatment plant

Central treatment process will consist of a secondary treatment plan process to using extended aeration and/or treatment pond system. Pretreatment will consist of screening and grit removal using system currently within the GWA wastewater treatment systems. Solids handling will be provided by drying beds or offsite disposal. Effluent disposal will consist of onsite percolation.

3.5. Water/Wastewater

Civil

- a) Design access road to pump station with proper turn around clearance, so that vehicles can access the pump station easily and safely.
- b) Provide fencing to pump station site. The fenced area should enclose at least the controls and space for a portable generator pad.
- c) Provide storm water control and drainage system, as necessary.

Structural

- a) Perform structural design and calculation for the pump station structure, support system and containments, as required.
- b) Consider material for wet well longevity, with respect to environmental conditions (e.g., water table elevation and groundwater chloride content).

Mechanical

- a) Perform building mechanical analysis for HVAC, potable water supply and wastewater disposal
- b) Perform stand -by power analysis
- c) Perform energy saving analysis on building mechanical system.

Electrical

- a) Analyze the existing electrical system in the area to determine if an electrical system upgrade is required.
- b) Perform load calculations to size a backup power generator.
- c) Design an onsite generator equipped with sound enclosure and fuel containment. Provide at least 5 days of fuel storage in an above-ground tank, 7 days is preferred.

- d) Provide power to lighting, motors, SCADA system, instrumentation, as well as other items necessary for the pump station operations
- e) SCADA system for pump station. Include provisions for the location, housing and operations of the SCADA system.
- f) If a station is included in the design, conduits for future telecommunications cables (for SCADA, etc.) will be included in the design.

Instrumentation and Control

- a) Design the pump station with adequate instrumentation, such as flow meter, level sensors, and alarms.
- b) Design interlock between instrumentation and equipment so that the pump station can be operated as HAND-OFF-AUTO.
- c) Design a SCADA compatible pump controller and electrical panel with modem capable of communicating either wireless or by wired data service connection with GWA central data. The design will have an automatic level control. The controller will notify GWA via telephone text of any high-level conditions, pump failures or power outage.

3.6. Drawings, Specifications, Cost Estimates, Construction Schedule.

Prepare construction drawings, specifications, cost estimates, construction schedule, supporting design calculations, required permits, and all other documents necessary for project construction. Design drawings shall be completed in AUTO CAD 2019. Infrastructure will also be translated into separate ESRI water and wastewater shapefiles.

- a. The design plans will include water and wastewater systems, as indicated in the Basis of Design Report. The plan will also include necessary erosion control measures such as erosion control seeding, silt fencing, protection of stockpiled materials, and other necessary measures to mitigate the impact of erosion and sedimentation.
- b. Based on the Basis of Design report approved by GWA, DCA will prepare and submit the following:
 - i. Multidiscipline plans to the 30% (preliminary design), 60%, 90%, and 100% (Final) completion levels.
 - ii. Specifications at 60%, 90%, and 100% completion levels, which will include front end documents and technical specifications applicable to the indicated completion levels. The Specification shall

include GWA standard specifications provided by the Project Team. DCA shall propose any changes to GWA's front end documents for Legal Counsel review.

- iii. Construction cost estimate update at 60% completion level. This estimate will be a Class 3 estimate in accordance with the AACE International Cost Estimate Classification System. All costs will be in current dollars and escalated to the estimated midpoint of construction.
 - iv. Final construction cost estimate based on quantity takeoffs and the requirements of the 90% design plans and specifications. This estimate will be a Class 2 estimate in accordance with the AACE International Cost Estimate Classification System. All costs will be in current dollars and escalated to the estimated midpoint of construction.
 - v. Final construction cost estimate based on quantity takeoffs and the requirements of the 100% design plans and specifications. This estimate will be a Class 1 estimate in accordance with the AACE International Cost Estimate Classification System. All costs will be in current dollars and escalated to the estimated midpoint of construction.
 - vi. DCA shall coordinate with relevant agencies such as Guam Environmental Protection Agency, Department of Public Works, and other relevant agencies at the 30%, 60%, 90%, and 100% submittals. This includes submitting design documents (full size plans and specifications at each phase) and maintaining communication throughout the duration of the project and incorporating any relevant regulation requirements in the design.
- c. Deliverables to GWA will be provided in accordance with the following:
- i. 30% phase
 - (1) 4 sets (11"x17") hard copies of the design documents
 - (2) Digital copy of the design documents
 - (3) Digital copy of the Basis of Design
 - ii. 60% phase
 - (1) 4 sets (11"x17") hard copies of the design documents
 - (2) Digital copy of the design documents
 - iii. 90% phase
 - (1) 4 sets (11"x17") hard copies of the design documents

- (2) Digital copy of the design documents
- iv. Final, 100% phase (“Issued For Bid”)
 - (1) 4 sets (11”x17”) hard copies of the design documents
 - (2) Digital copy of the design documents

4. Construction Bid Support

1. Assist with preparing answers to questions regarding the bid packages during the bidding phase.
2. Assist with the Pre-Bid Conference and respond to technical question involving design and specifications that prospective bidders may have at the Pre-Bid Conference, including the preparation of meeting minutes and providing formal responses to technical questions.
3. Assist with preparation of bid addenda.
4. Assist with reviewing construction proposals received. This shall include a bid analysis, review of bid proposal prices, and conformance with contract requirements and the Guam Procurement Code. A letter of recommendation of award shall be prepared.

5. Services During Construction

1. Review of shop drawings, material submittals, samples, test results, and other data required to be submitted by the contractor for conformance with the contract documents. Document and provide responses to GWA. This shall include assisting in the review of the Quality Control Plan for complete content. DCA with GWA’s input shall address GEPA’s concerns and requirements, if any. DCA shall chair and record the meeting minutes with any other governmental agencies.
2. Review requests for clarification or interpretation submitted by contractor and provide responses to GWA.
3. Evaluate substitution requests to determine acceptability of substitute materials and equipment proposed by the contractor and provides recommendations to GWA.

4. If requested by the construction or project manager, attend the construction kickoff meeting and construction/final inspections.

6. Design Schedule

See attached



Issues for Decision

Resolution No. 31- FY2024

Relative to FY2024 Operations & Maintenance Budget Amendments

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

The objective of this resolution is to obtain CCU authorization to increase GWA's FY2024 Operations & Maintenance Budget Expense by \$5 million to cover significant increases in Navy water costs.

How much will it cost?

Navy water costs are projected to more than double GWA's approved budget from \$6 million to \$15.6 million. After identifying internal transfers of more than \$8 million from other cost categories, an additional \$5 million in authorized expenses is required to meet projected year-end expenses. The increase of \$5 million will increase the FY2024 O&M Budget from \$79.7 million to \$84.7 million excluding capitalized labor and non-cash depreciation expenses.

When will it be completed? Transfers will be applied upon approval to cover all FY2024 expenses up to 9/30/2024.

What is the funding source?

Increases in fund sources are also projected by year-end in comparison to the approved budget: revenue from lifeline and non-lifeline rates across all rate classes from water and wastewater sales net of bad debt are projected at \$129.4 million, an increase of \$1.7 million; \$2.4 million in investment income, an increase of \$2.1 million from approved budget; and \$950,000 from GWA's Rate Stabilization Fund, totaling \$132.8 million, an increase from the budget as originally approved by about \$4 million.



CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

GWA RESOLUTION NO. 31-FY2024

RELATIVE TO APPROVING FY2024 BUDGET AMENDMENTS

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

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

WHEREAS, the CCU adopted Resolution 02-FY2024 Relative to Approving the FY24 Operations and Maintenance Budget following the approval by the Public Utilities Commission of a 16.7% rate increase for basic lifeline and non-lifeline rates across all rate classes, effective October 1,2023; and

WHEREAS, the approved rate increases set revenue projections at \$127.6 million derived from all water and wastewater sales net of bad debt, \$275,000 in investment income and \$950,000 from GWA's Rate Stabilization Fund (RSF) (transferred from GWA's Badger settlement) for a grand total of \$128.9 million in fund sources; and

WHEREAS, operating costs were projected at \$79.7 million excluding capitalized labor and non-cash expenditure for depreciation, comprised of \$29 million for utilities; \$29.7 million gross salaries and benefits; \$9.6 million for administrative and general expenses; \$7.4 million in contractual costs and \$3.7 million for retirees; and

WHEREAS, the budget was to provide for other cash flow requirements including \$39 million in debt service payments, \$8.7 million for revenue-funded capital expenses and conforming to rate covenants with debt service coverage of 1.35x; and

//

1 **WHEREAS**, the cost of Navy water has increased twice this fiscal year. The first, a 45%
2 increase effective January 2024 from \$9.87/kgal to \$14.07/kgal and the second up another 69% to
3 \$24.07/kgal effective April 2024. Coupled with an average 35% increase in monthly consumption
4 of Navy water, costs are projected to more than double the approved budget from \$6 million to
5 \$15.7 million; and

6
7 **WHEREAS**, despite prior internal budget transfers in excess of \$8 million from cost
8 containment efforts in other line items to maximize resources, the significant rate increases for
9 Navy water force GWA management to seek approval to increase in FY24 Operations and
10 Maintenance Budget expenses from \$79.7 million to \$84.7 million excluding depreciation and
11 capitalized labor; and

12
13 **WHEREAS**, GWA's revised budget provides fund sources of \$129.4 million in water and
14 wastewater sales net of bad debt; \$2.4 million in investment income and \$950,000 in Rate
15 Stabilization Funds (RSF) (transferred from GWA's Badger settlement) totaling \$132.8 million, a
16 \$4 million increase over the approved budget as outlined in Exhibit A attached; and

17
18 **WHEREAS**, these budget revisions provide for \$38.7 million in debt services payments,
19 \$8.7 million for revenue-funded capital expenses and debt service coverage of 1.28x, maintaining
20 conformance with GWA's rate covenant.

21
22 **NOW BE IT THEREFORE RESOLVED**; the Consolidated Commission on Utilities
23 does hereby approve the following:

- 24
25 1. The recitals set forth above hereby constitute the findings of the CCU.
26 2. The CCU authorizes an increase in GWA's FY24 Operating Expense Budget
27 by not more than \$5 million as reflected in Exhibit A to maintain operations
28 and maintenance activities.

29
30

EXHIBIT A
Resolution 31-FY2024

Schedule A

Historical and Forecasted Operating Results, Proposed Rates

	Historical Year	Approved Budget Docket 19-08	YEAR-END PROJECTIONS
	FY 2023	FY 2024	FY 2024
Non-Lifeline Rate Increase	5.5%	16.7%	16.7%
Lifeline Rate Increase	0.0%	16.7%	16.7%
CASH SOURCES			
Water Service Revenues	69,672,862	80,479,614	79,600,069
Legislative Surcharge	2,147,271	2,958,520	2,810,565
Water SDC Revenues		489,600	809,074
Water Rate Revenues	71,820,133	83,927,734	83,219,708
Wastewater Service Revenues	29,675,878	36,483,092	35,671,161
Legislative Surcharge	707,754	976,821	1,259,498
Navy Revenues (w/surcharge)	7,094,928	7,347,687	8,778,363
Wastewater SDC Revenues		734,400	1,047,306
Wastewater Rate Revenues	37,478,560	45,542,000	46,756,328
Other Revenues	567,167	474,300	487,416
Rate Revenue Adjustment		-	
Bad Debt Adjustment	(421,467)	(2,262,236)	(989,267)
Total Operating Revenues¹	109,444,392	127,681,798	129,474,185
Interest / Investment Income	1,972,141	275,000	2,400,930
Rate Stabilization Transfers Out (In) ²	18,050,000	950,000	950,000
TOTAL SOURCES	129,466,533	128,906,798	132,825,115
CASH USES			
Power Purchases ³	24,397,961	23,221,568	21,431,502
Water Purchases	7,038,954	5,900,000	15,696,662
Salaries & Benefits ⁴	27,272,268	29,705,247	27,944,629
Admin & General ⁵	9,023,292	9,687,858	9,326,494
Contractual Expense	5,575,264	7,464,494	6,411,266
Retiree Expense	3,560,495	3,755,617	3,924,231
O&M Subtotal	76,868,234	79,734,784	84,734,783
Debt Service	39,036,678	39,042,065	38,762,231
Internally Funded Capital (IFCIP)	2,836,370	8,784,879	8,784,879
TOTAL USES	118,741,281	127,561,728	132,281,893
Net Annual Cash Flow	10,725,252	1,345,070	543,222
DEBT SERVICE COVERAGE			
Net Revenues	52,598,299	49,172,014	48,090,332
Adjustment, SDC Revenues	-	(1,224,000)	(1,856,380)
Adjustment, Capitalized Labor	3,075,928	4,159,140	3,026,904
Adjustment, Other ⁶	673,200	715,649	701,500
Revenues Available for Debt Service	56,347,428	52,822,803	49,962,356
Total Debt Service	39,036,678	39,042,065	38,762,231
Debt Service Coverage	1.443	1.353	1.289

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

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

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

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

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

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



Issues for Decision

Resolution No. 32- FY2024

Relative to approving an interim first quarter FY2025 Operations & Maintenance Budget.

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

The objective of this resolution is to obtain CCU approval of a 3-month (1st Quarter) Operations and Maintenance budget for Fiscal Year 2025 to cover operational activities from October 1, 2024, thru December 31, 2024, pending adjudication by the Public Utilities Commission (PUC) of the GWA's Five Year Financial Plan for FY2025 through FY2029.

How much will it cost?

The proposed interim budget provides fund sources of \$32.98 million (net of bad debt) based on current rates and projected investment income.

Operating expenses are projected at \$21.30 million for the first 3 months. Debt service coverage will meet the required 1.25x

When will it be completed?

The interim budget will be effective October 1, 2024. The PUC is currently scheduled for September 24, 2024. A budget based on the approved rate increases will be brought before the CCU following PUC action.

What is the funding source?

Revenue generated by current service rates and fees for all water and wastewater customer classes as well as investment income.



CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

GWA RESOLUTION NO. 32-FY2024

**RELATIVE TO APPROVING AN INTERIM FY2025 FIRST QUARTER
OPERATIONS & MAINTENANCE BUDGET**

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

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

WHEREAS, the CCU adopted Resolution 11-FY2024 Relative to Approving the Five-Year Financial Plan and Capital Improvement Program; and

WHEREAS, on March 8, 2024, GWA submitted an advanced draft petition to the Public Utilities Commission (PUC) to allow an earlier review by the PUC consultants and to meet GWA's request for PUC review and approval of GWA's rate application before the start of FY2025; and

WHEREAS, on June 6, 2024, GWA filed as Docket 24-05 its FY2025-FY2029 Five-Year Financial Plan and Rate Increase Request (final petition) to the PUC for review and approval; and

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

WHEREAS, GWA requires sufficient revenues to meet projected costs driven primarily by obligatory investments for system reliability, federal regulatory compliance, the 2011 Federal Court Order, and the 2024 US EPA Partial Consent Decree which must concurrently meet rate covenants delineated by GWA's bond indenture; and

1 **WHEREAS**, GWA recently completed its stipulation meetings with the PUC consultants;
2 and

3
4 **WHEREAS**, barring any further changes to the planned schedule, the PUC rate hearing to
5 adjudicate the FY2025-FY2029 Five-Year Financial Plan and Rate Increase Request will be held
6 on September 24, 2024, and

7
8 **WHEREAS**, GWA is proposing a first quarter budget for CCU approval as rate action by
9 the PUC will occur on the same date as the CCU regularly scheduled meeting in September, not
10 providing sufficient time to develop a budget in response to the PUC rate order which will impact
11 the FY2025 budget; and

12
13 **WHEREAS**, having an FY2025 budget to fund GWA operations at the start of the new
14 fiscal year on October 1, 2024, is urgent and necessary; and

15
16 **WHEREAS**, the proposed first quarter budget projects fund sources of \$32.38 million (net
17 of bad debt) in water and wastewater service rates and fees across all customer classes, and
18 \$600,000 in investment income; and

19
20 **WHEREAS**, operating expenses are projected at \$21.30 million covering 3 months of
21 power at \$5.10 million, water at \$3.40 million, salaries and benefits at \$7.36 million,
22 administrative and general expense at \$2.15 million, contractual expense at \$1.34 million, and
23 retiree costs at \$1.96 million; and

24
25 **WHEREAS**, the short-term budget also allows for \$9.69 million in debt services payment,
26 \$1 million for Internally Funded Capital Improvement projects, and debt service coverage of 1.25
27 as presented in Exhibit A attached hereto.

28
29 **NOW BE IT THEREFORE RESOLVED**; the Consolidated Commission on Utilities
30 does hereby approve the following:

- 31 1. The recitals set forth above hereby constitute the findings of the CCU.

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- 2. The CCU authorizes an interim first quarter FY25 budget for GWA for operations and maintenance activities pending PUC approval of Docket 24-05
- 3. The CCU requests management to submit a revised FY2025 Operations & Maintenance Budget as soon as is practical following the PUC adjudication of the FY2025-FY2029 Five-Year Financial Plan and Rate Increase Request.

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

DULY AND REGULARLY ADOPTED, this 27th day of August 2024.

Certified by:

Attested by:

JOSEPH T. DUENAS

PEDRO ROY MARTINEZ

Chairperson

Secretary

SECRETARY’S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSENT: _____

ABSTAIN: _____

///

EXHIBIT A
Resolution 32-FY2024

Schedule A

Historical and Forecasted Operating Results, Proposed Rates

	Historical	Approved Docket 19-08	PROPOSED 1ST QUARTER	
	Year		BUDGET	
	FY 2023	FY 2024	FY 2024	FY 2025
Non-Lifeline Rate Increase	5.5%	16.7%	16.7%	0.0%
Lifeline Rate Increase	0.0%	16.7%	16.7%	0.0%
CASH SOURCES				
Water Service Revenues	69,672,862	80,479,614	79,600,069	19,900,017
Legislative Surcharge	2,147,271	2,958,520	2,810,565	702,641
Water SDC Revenues		489,600	809,074	202,269
Water Rate Revenues	\$ 71,820,133	\$ 83,927,734	\$ 83,219,708	\$ 20,804,927
Wastewater Service Revenues	29,675,878	36,483,092	35,671,161	8,917,790
Legislative Surcharge	707,754	976,821	1,259,498	314,875
Navy Revenues (w/surcharge)	7,094,928	7,347,687	8,778,363	2,194,591
Wastewater SDC Revenues		734,400	1,047,306	261,826
Wastewater Rate Revenues	37,478,560	45,542,000	\$ 46,756,328	\$ 11,689,082
Other Revenues	567,167	474,300	487,416	128,750
Rate Revenue Adjustment		-		
Bad Debt Adjustment	(421,467)	(2,262,236)	(989,267)	(247,317)
Total Operating Revenues¹	\$ 109,444,392	\$ 127,681,798	\$ 129,474,185	\$ 32,375,442
Interest / Investment Income	1,972,141	275,000	2,400,930	600,233
Rate Stabilization Transfers Out (In) ²	18,050,000	950,000	950,000	
TOTAL SOURCES	\$ 129,466,533	\$ 128,906,798	\$ 132,825,115	\$ 32,975,675
CASH USES				
Power Purchases ³	24,397,961	23,221,568	21,431,502	5,100,000
Water Purchases	7,038,954	5,900,000	15,696,662	3,397,638
Salaries & Benefits ⁴	27,272,268	29,705,247	27,944,629	7,355,399
Admin & General ⁵	9,023,292	9,687,858	9,326,494	2,149,560
Contractual Expense	5,575,264	7,464,494	6,411,266	1,336,767
Retiree Expense	3,560,495	3,755,617	3,924,231	1,962,115
O&M Subtotal	\$ 76,868,234	\$ 79,734,784	\$ 84,734,783	\$ 21,301,479
Debt Service	39,036,678	39,042,065	38,762,231	9,690,558
Internally Funded Capital (IFCIP)	2,836,370	8,784,879	8,784,879	1,000,000
TOTAL USES	\$ 118,741,281	\$ 127,561,728	\$ 132,281,893	\$ 31,992,037
Net Annual Cash Flow	\$ 10,725,252	\$ 1,345,070	\$ 543,222	\$ 983,638
DEBT SERVICE COVERAGE				
Net Revenues	\$ 52,598,299	\$ 49,172,014	\$ 48,090,332	\$ 11,674,196
Adjustment, SDC Revenues	-	(1,224,000)	(1,856,380)	(464,095)
Adjustment, Capitalized Labor	3,075,928	4,159,140	3,026,904	756,726
Adjustment, Other ⁶	673,200	715,649	701,500	175,375
Revenues Available for Debt Service	\$ 56,347,428	\$ 52,822,803	\$ 49,962,356	\$ 12,142,202
Total Debt Service	39,036,678	39,042,065	38,762,231	9,690,558
Debt Service Coverage	1.443	1.353	1.289	1.253

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

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

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

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

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

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



Presentation To:

Consolidated Commission on Utilities

GWA Work Session
August 20, 2024



Issues for Resolution

GWA Work Session

August 20, 2024



Gill Breeze Subdivision

Relative to the Approval of Design Services Contract for the Gill Breeze Subdivision Water and Wastewater Infrastructure Project, GWA Project No. 22401

GWA Resolution No. 25-FY2024

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

- The residents of the Gill Breeze Subdivision currently do not have access to water utilities or wastewater disposal systems. The lack of access to water and wastewater utilities for proper sanitation poses a major health risk to the residents of the Gill Breeze Subdivision and has been the subject of considerable work by the U.S. Environmental Protection Agency (US EPA) to resolve. The intent of this project is to remediate the situation by providing the residents of the Gill Breeze Subdivision properly designed and constructed water infrastructure and onsite or public wastewater disposal systems.

Where is the project located?

- The Gill Breeze Subdivision is located in Yigo, Guam.

How much will it cost?

- GWA Management seeks CCU approval of the negotiated Scope and Fee Proposal for Design Services, from the selected respondent of Duenas Camacho & Assoc. for a total of Three Million Three Hundred Ninety-Six Thousand One Hundred Three Dollars (\$3,396,103.00), plus a ten percent (10%) contingency of Three Hundred Thirty-Nine Thousand Six Hundred Ten Dollars and Thirty Cents (\$339,610.30), to bring the total authorized funding amount to Three Million Seven Hundred Thirty-Five Thousand Seven Hundred Thirteen Dollars and Thirty Cents (\$3,735,713.30).

Contract Amount: \$3,396,103.00

Contingency (10%): \$ 339,610.30

Total Authorized Amount: \$3,735,713.30

When will it be completed?

- Anticipated design will be completed June of 2026, and construction procurement will begin upon completion of the design.

(continued on next page)

Gill Breeze Subdivision *(continuation)*

Relative to the Approval of Design Services Contract for the Gill Breeze Subdivision Water and Wastewater Infrastructure Project, GWA Project No. 22401

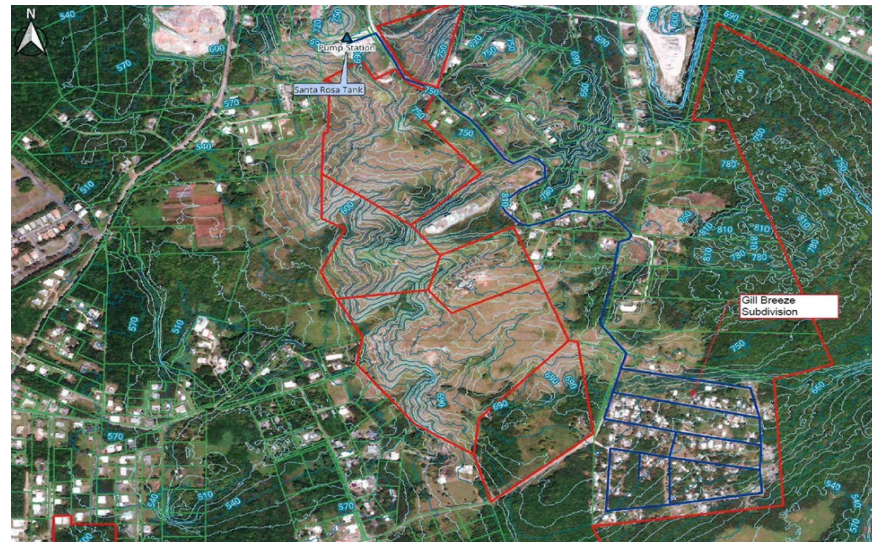
GWA Resolution No. 25-FY2024

What is the funding source?

- United States Environmental Protection Agency grants

The RFP/BID responses (if applicable):

- RFP-01-ENG-2024
- 25 registered for the project
- 4 proposals were received
- Duenas, Camacho & Associates is recommended for award



Gill Breeze Subdivision

FY2024 Operations & Maintenance Budget Amendments

Relative to the Approval of FY2024 Budget Adjustment to Address Navy Water Increase

GWA Resolution No. 31-FY2024

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

- The objective of this resolution is to obtain CCU authorization to increase GWA's FY2024 Operations & Maintenance Budget Expense by \$5 million to cover significant increases in Navy water costs.

How much will it cost?

- Navy water costs are projected to more than double GWA's approved budget from \$6 million to \$15.6 million. After identifying internal transfers of more than \$8 million from other cost categories, an additional \$5 million in authorized expenses is required to meet projected year-end expenses. The increase of \$5 million will increase the FY2024 O&M Budget from \$79.7 million to \$84.7 million excluding capitalized labor and non-cash depreciation expenses.

When will it be completed?

- Transfers will be applied upon approval to cover all FY2024 expenses up 9/30/2024.

What is the funding source?

- Increases in fund sources are also projected by year-end in comparison to the approved budget: revenue from lifeline and non-lifeline rates across all rate classes from water and wastewater sales net of bad debt are projected at \$129.4 million, an increase of \$1.7 million; \$2.4 million in investment income, an increase of \$2.1 million from approved budget; and \$950,000 from GWA's Rate Stabilization Fund, totaling \$132.8 million, an increase from the budget as originally approved by about \$4 million.

FY2025 Operations & Maintenance Budget

Relative to Approving an Interim First Quarter FY2025 Operations and Maintenance Budget

GWA Resolution No. 32-FY2024

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

- The objective of this resolution is to obtain CCU approval of a 3-month (1st Quarter) Operations and Maintenance budget for Fiscal Year 2025 to cover operational activities from October 1, 2024 thru December 31, 2024 pending adjudication by the Public Utilities Commission (PUC) of the GWA's Five Year Financial Plan for FY2025 through FY2029.

How much will it cost?

- The proposed interim budget provides fund sources of \$32.98 million (net of bad debt) based on current rates and projected investment income.
- Operating expenses are projected at \$21.30 million for the first 3 months. Debt service coverage will meet the required 1.25x

When will it be completed?

- The interim budget will be effective October 1, 2024. The PUC is currently scheduled for September 24, 2024. A budget based on the approved rate increases will be brought before the CCU following PUC action.

What is the funding source?

- Revenue generated by current service rates and fees for all water and wastewater customer classes as well as investment income.



Management Report GWA Work Session August 20, 2024

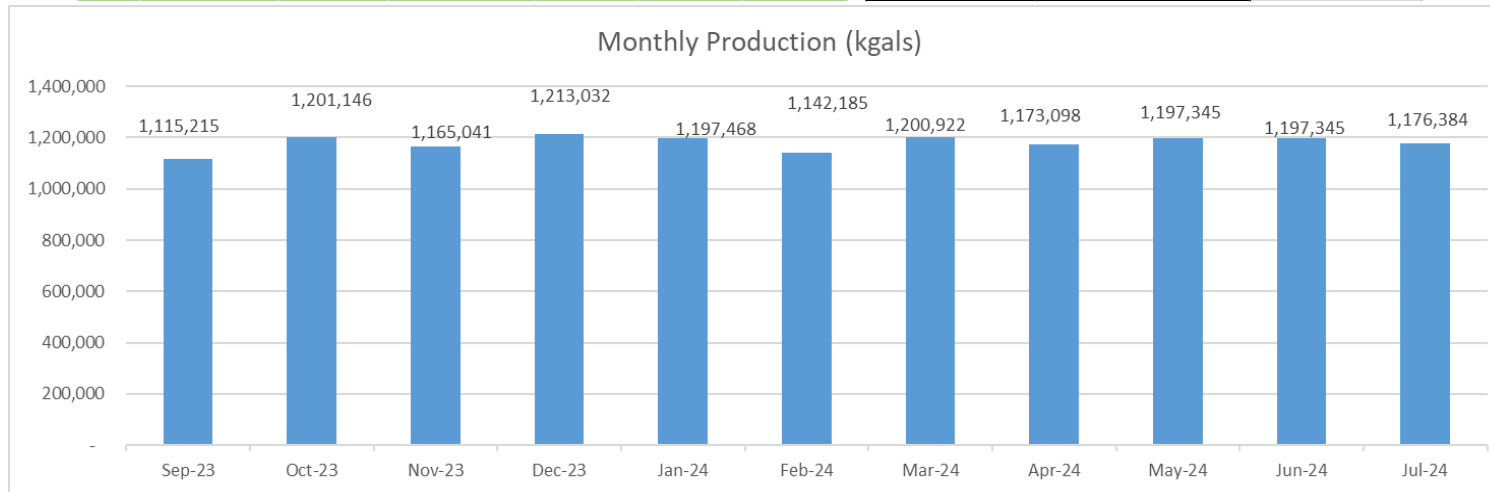




Operations Update
Water Production (July 2024)

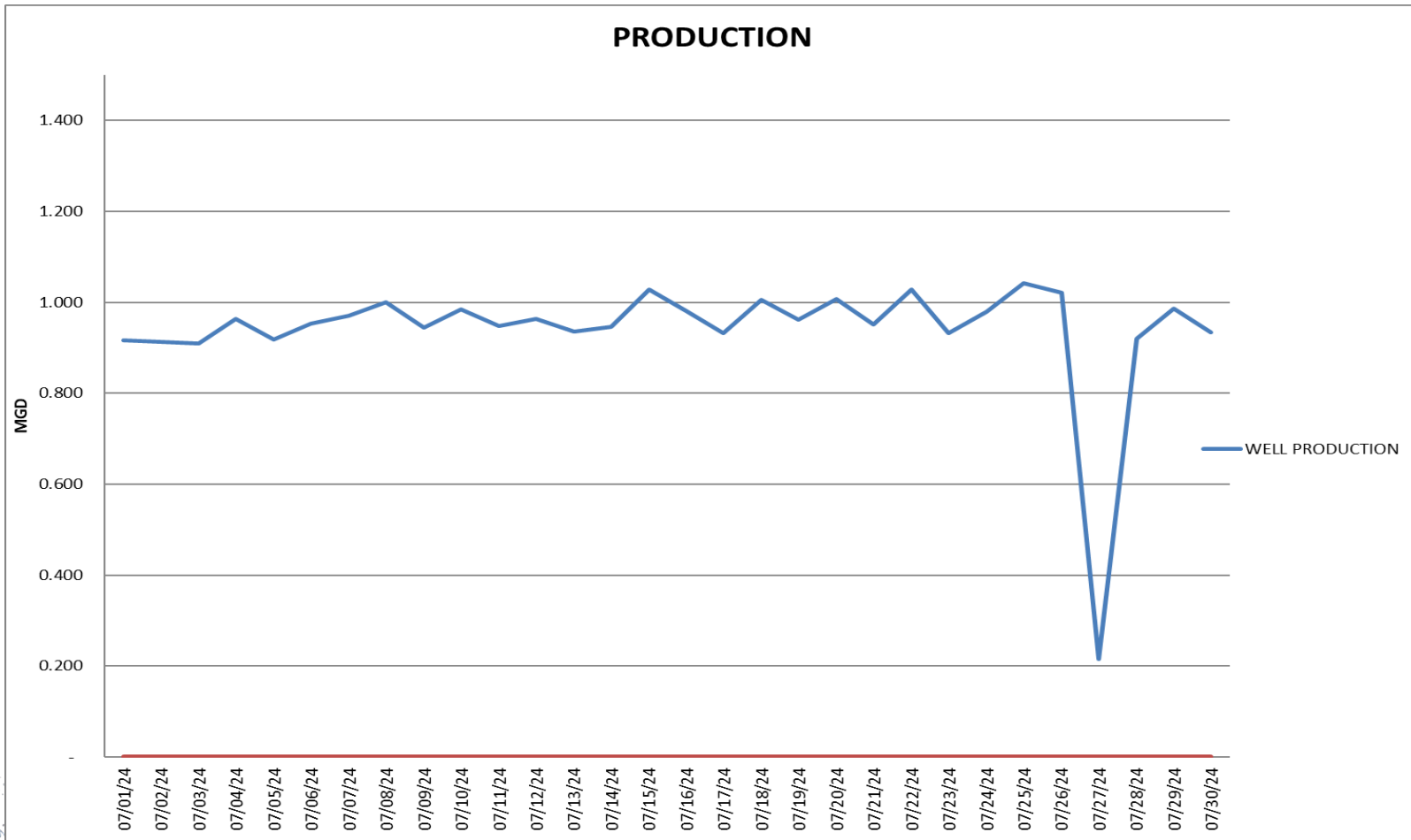
Monthly Production Summary - July 2024			
Deep Wells		43.7 MGD	
Active wells =	98 of 120		
Avg days in operation =	25 days		
Total Production =	1,093,332 Kgals		
Springs		0.06 MGD	
Avg days in operation =	31 days		
Total Production =	1,964 Kgals		
Ugum Surface Water Plant		1.7 MGD	
Avg days in operation =	31 days		
Total Production =	51,874 Kgals		
Tumon Maui Well		0.94 MGD	
Avg days in operation =	31 days		
Total Production =	29,214 Kgals		
		1,176,384 Kgals	46.4 MGD

DW Status as of 7/31/2024		REMARKS
Active	98	DW units on line
Standby	1	A29
Grounded Motors, Secured for Corrective Maintenance	10	A26, D01, D02, D03, D09, M05, M12, M17A, Y16, Y20
Out of Commission	9	A02, A07, A28, D05, D13, M01, M14, MJ01, MJ05
Secured - PFAs	2	A23 and-A25
TOTAL	120	





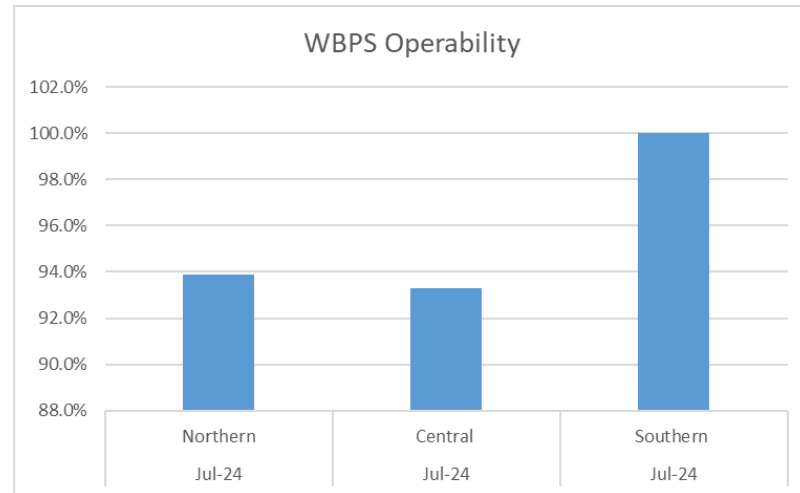
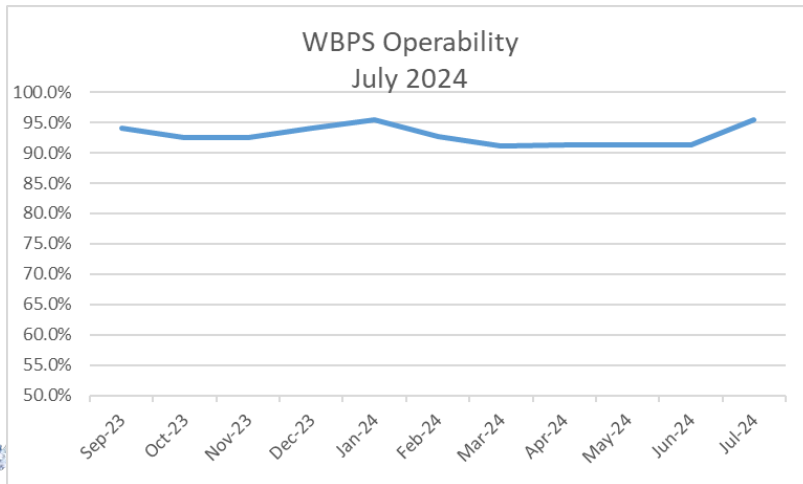
Tumon Maui Well Production (July 2024)





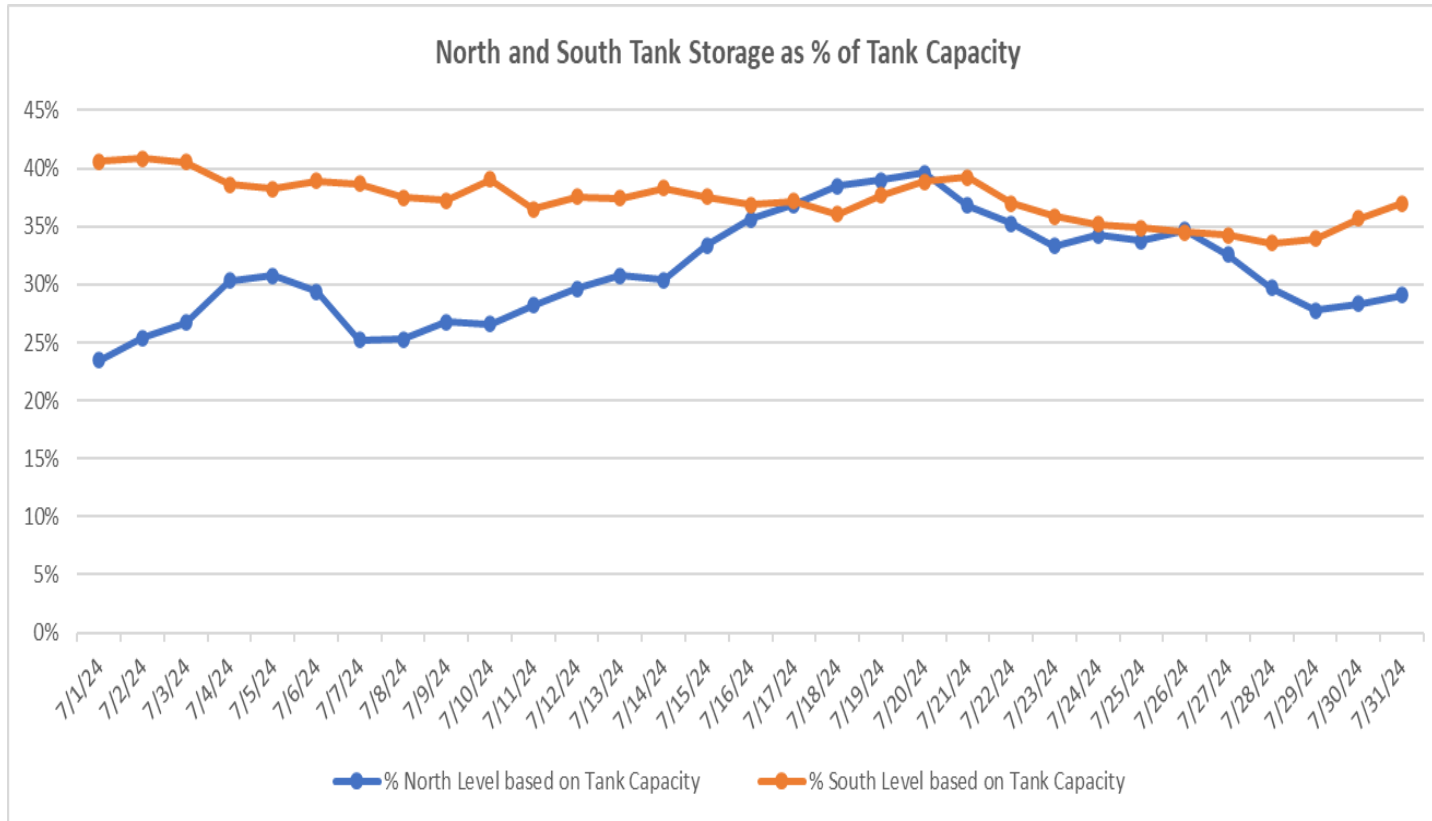
Water Distribution (July 2024)

Monthly Distribution Summary - July 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%





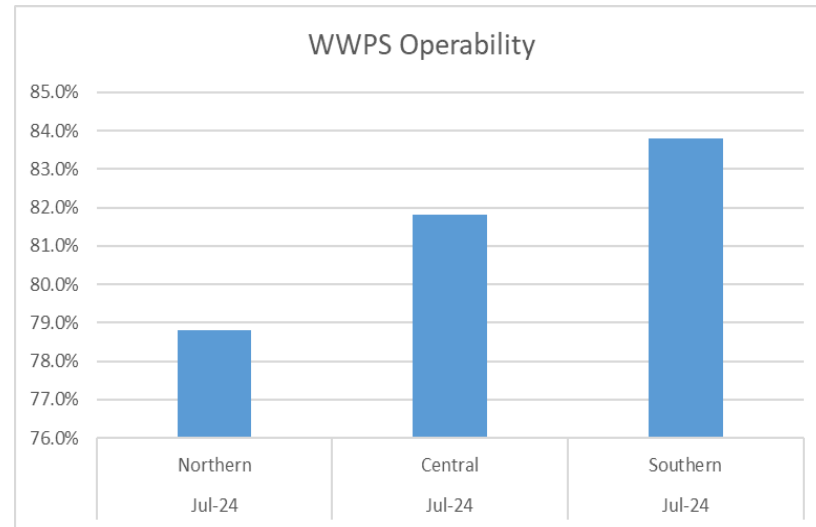
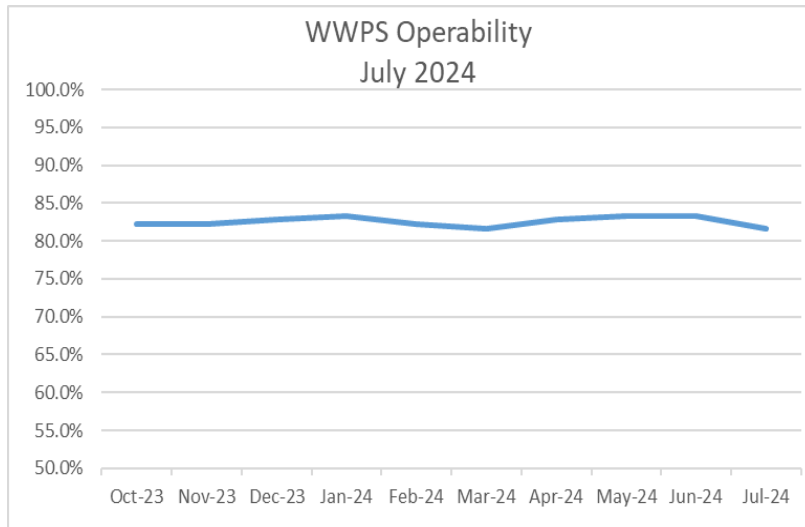
Water Distribution – Tank Levels (July 2024)





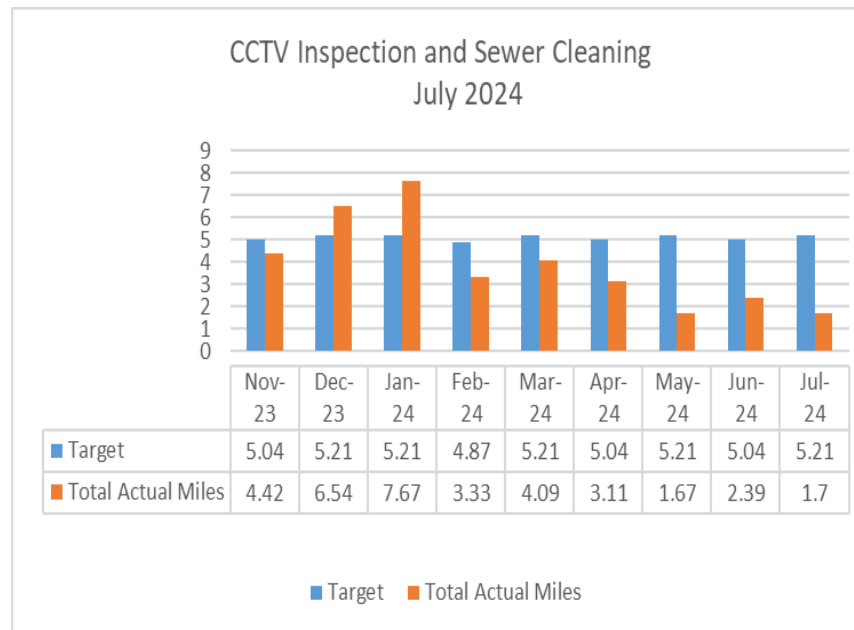
Wastewater Collections (July 2024)

Monthly Collections Summary - July 2024					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	41	78.8%
	Central	30	66	54	81.8%
	Southern	32	68	57	83.8%
		84	186	152	81.7%





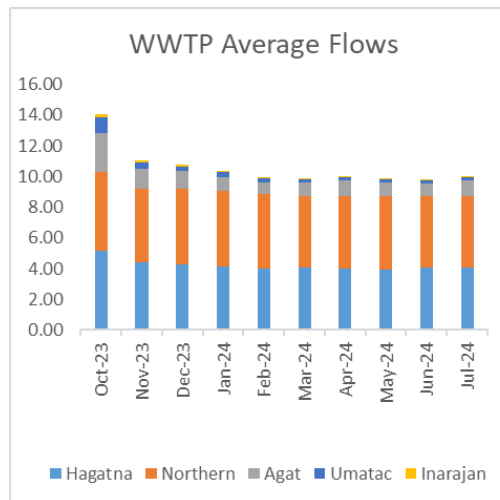
Wastewater Collections – CCTV (through July 2024)





Wastewater Treatment (July 2024)

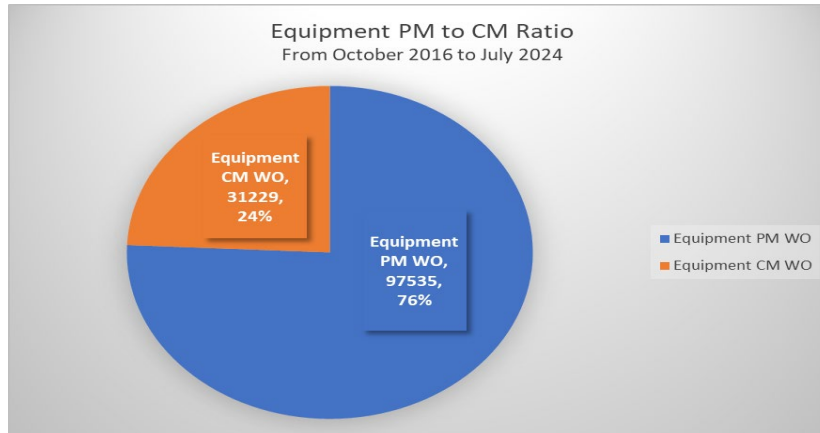
Monthly Wastewater Treatment Summary - July 2024				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.09	318,800	\$ 28,692
	Northern	4.65	548,520	\$ 49,367
	Agat	0.98	46,880	\$ 4,219
	Umatac	0.23		
	Inarajan	0.07		
		10.02	914,200	\$ 82,278



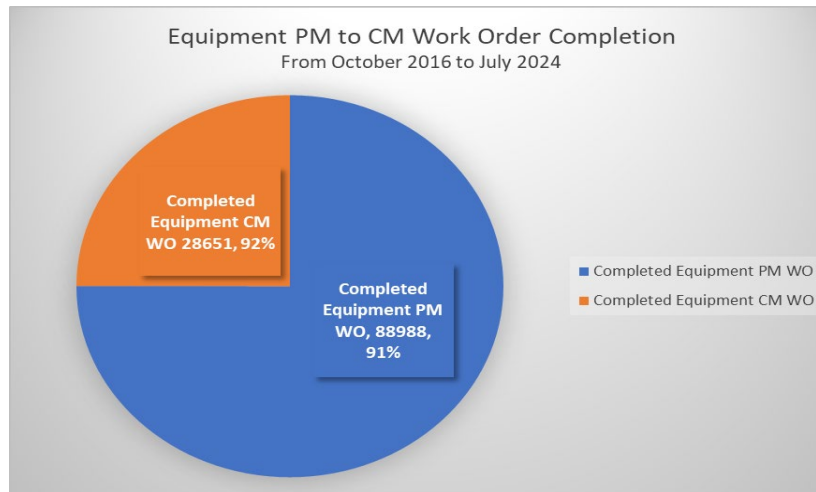


Asset Management (through July 2024)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*



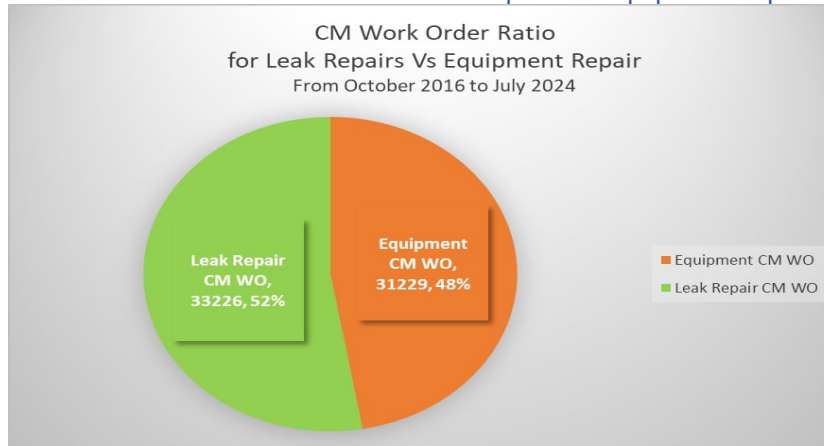
II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*



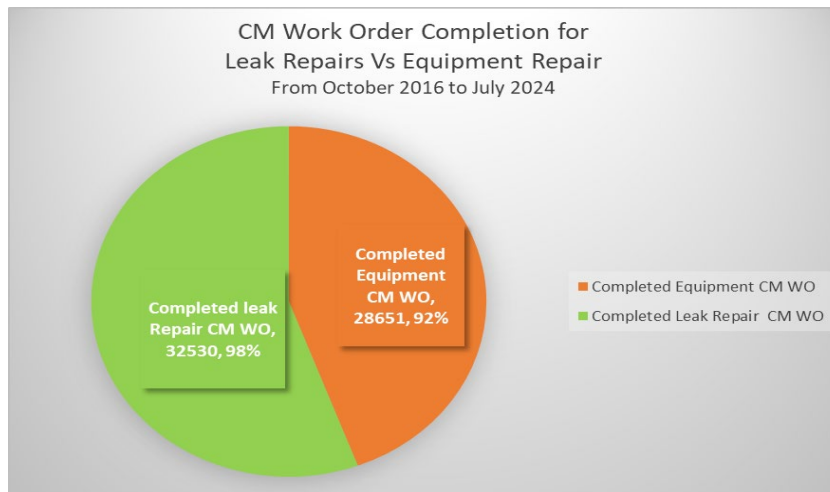


Asset Management (through July 2024)

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



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





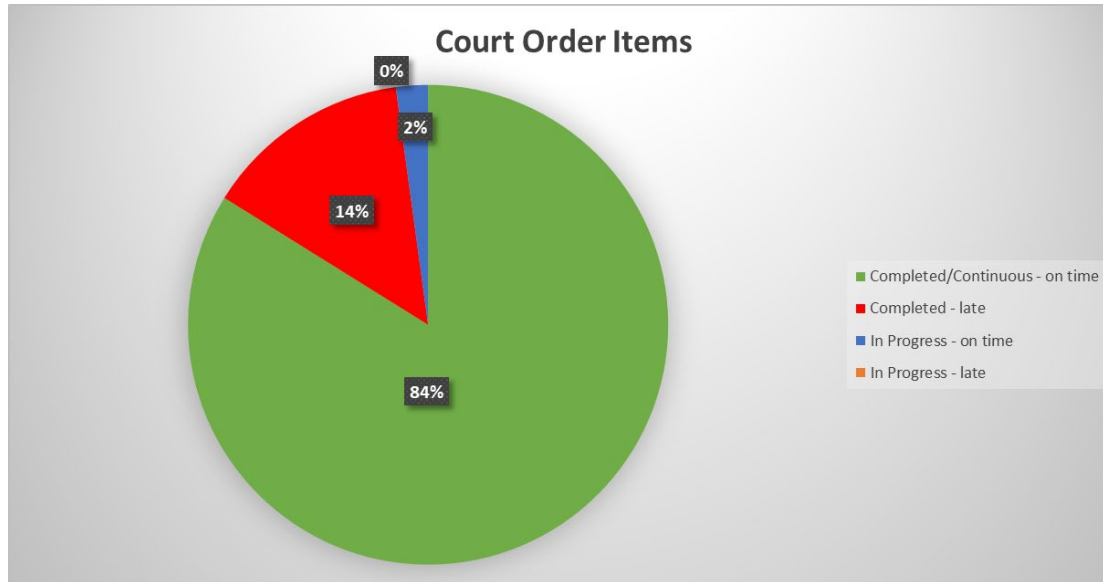
One Guam Update (through July 2024)

- No regular One Guam meeting in July.
- On July 12 GWA and DOD Engineering met to discuss opportunities for additional interties. The discussion included the intertie to GWA wells and Navy wells to use the SAFF treatment to address PFAS. GWA and DOD will continue to discuss and evaluate the possibility establishing an interconnection for combined treatment.





Court Order Summary (through July 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%		
Totals	93	100%		





Court Order – Status Information (July 2024)

- No CO delays since the Approval of CO time extension.

There were no Overflows or ByPass events reported for the month of July 2024.

The following Overflows or ByPass events were not previously sent to USEPA, but on July 16, 2024 they were submitted:

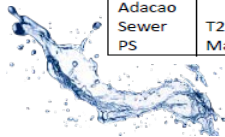
- April 24, 2024, SSO# 1440663, Mamajanao Sewer Pump Station, Tamuning - Infiltration/Inflow
- May 29, 2024, SSO# 1448721, Dairy Pump Station, Mangilao – Pump Station Failure





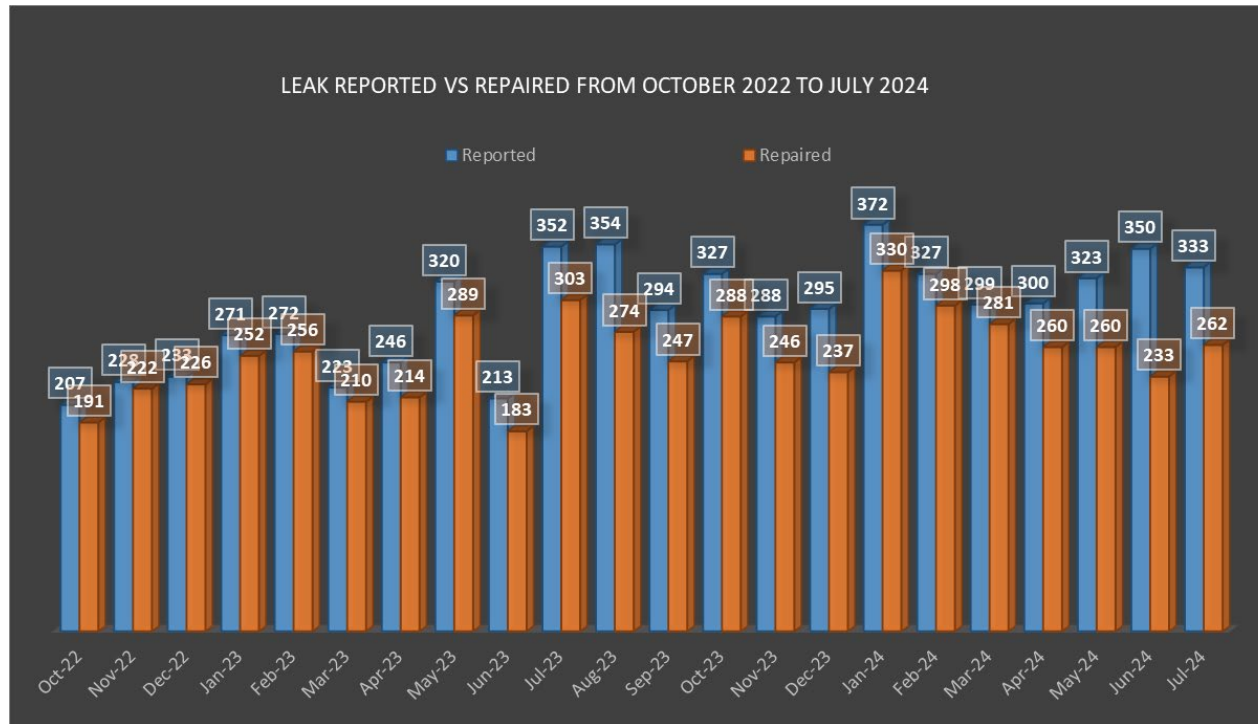
Land Acquisition Summary (through July 2024)

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 nd 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 st appraisal report submitted to GWA 05/11/2022. 2 nd 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"> Revised Environmental Assessment report with NPS for review. 1/25/24 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.
Adacao Sewer PS	T293 L19 Mangilao	Private	<ul style="list-style-type: none"> May 2, 2023: Right of Entry request sent to owners of properties for potential pump station sites May 15, 2023 – August 30, 2023: Right of Entry letters received by owners. Received responses from owners of Lot 19 Tract 293 (Natividad Trust & BME) and Lot 14-R2 Tract 293 (Angelita Sionosa). No response from Angelita after initial contact. September 15, 2023: DCA met with Natividad Trust & BME to discuss pump station on L19 T293 September 25, 2023: Right of entry for Natividad Trust & BME L19 T293 signed by GM January 26, 2024: DCA met with Natividad Trust & BME to progress with appraisal January 30, 2024: Appraisal conducted on L19 T293 March 13, 2024: Appraisal received May 3, 2024: Received Ownership and Encumbrance Report on L19 T293 May 15, 2024: Letters of Decision sent to property owners of T293 L19 June 03, 2024: Followed up on LOD, no response yet from property owners June 18, 2024: property owner responds with willing to sell June 20, 2024: GWA sends offer letter June 20, 2024: property owner responds with counter offer June 25, 2024: GWA sends revised offer letter June 26, 2024: property owner accepts GWA's revised offer June 26, 2024: land agent to draft land purchase and sale agreement (LPSA) for review July 24, 2024: GWA signed LPSA was dropped off to property owner for signature July 25, 2024: Acknowledgment and Acceptance of Escrow



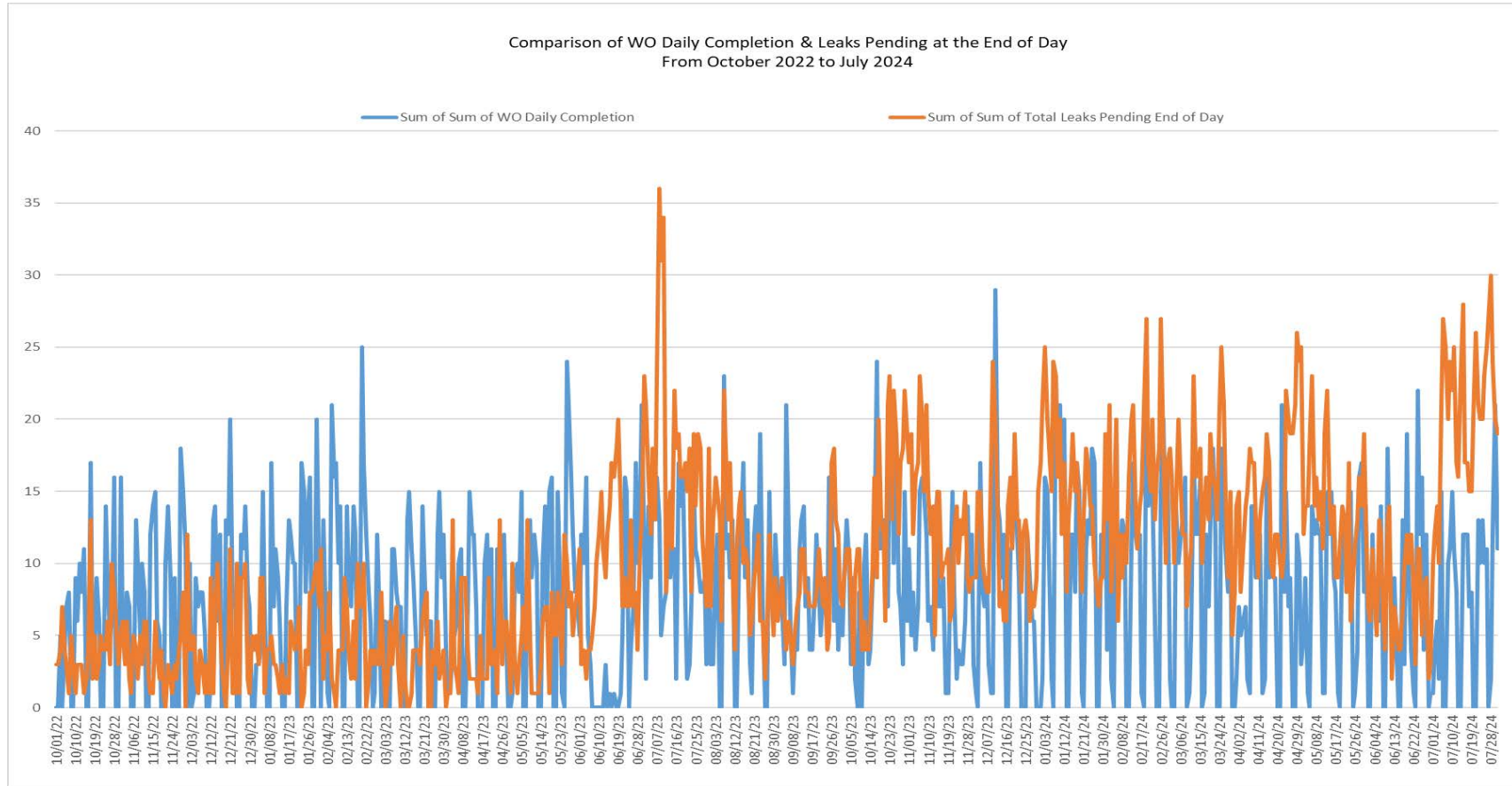


Comparison of Leaks Reported vs. Leaks Repaired (through July 2024)



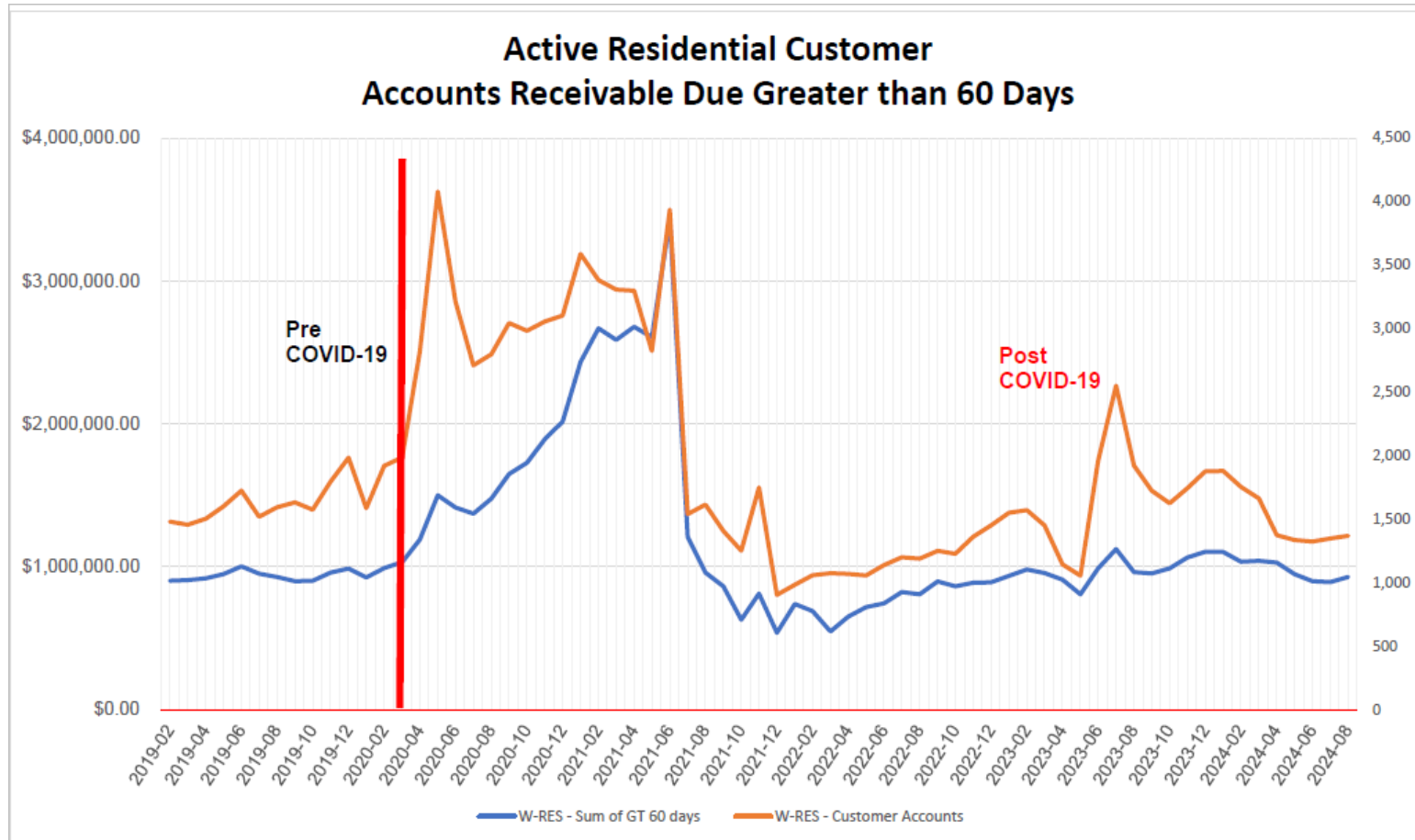


Daily Leak Repairs (through July 2024)



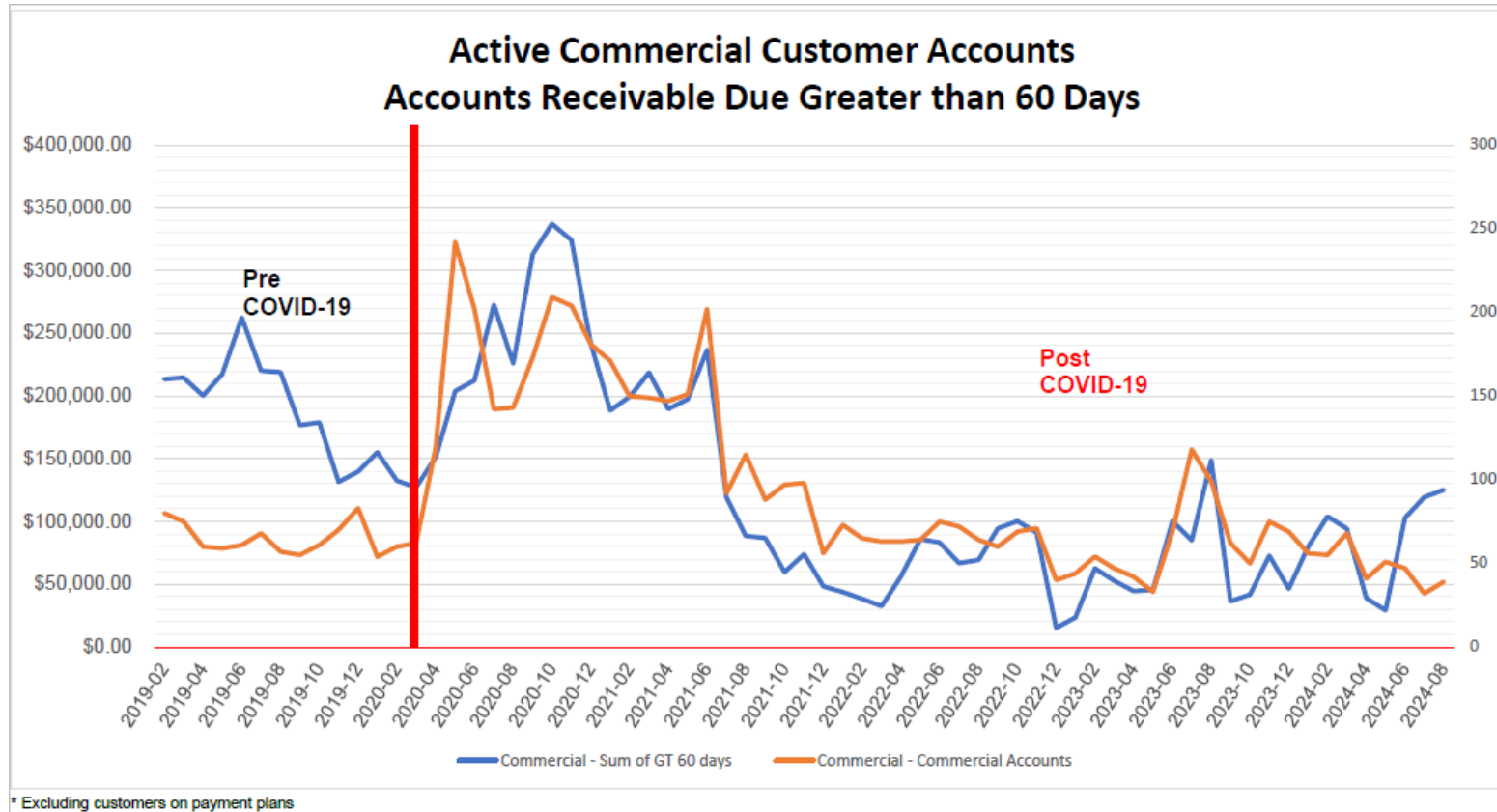


Accounts Receivables – Active Residential Customers (through July 2024)





Accounts Receivables – Active Commercial Customers (through July 2024)





Highlights of Customer Care Section Operations (July 2024)

- The average wait time for all 3 locations for the month of July 2024 @ 3.4 minutes compares similarly to the wait time recorded in June 2024 of 3 minutes.
- The number one reason for visit to each GPWA location for the month of July 2024 is:
 - Fadian office – Apply for water
 - Julale office – Bill Dispute
 - Upper Tumon – Apply for water
- The total number of Facebook visits in July 2024 is 6,591 as compared to 7400 in June 2024.
- Instagram profile visits for July 2024 is 347 which compares similarly to June 2024 @ 339.
- July 2024 average number of active pay plans is 404 as compared to 365 in June 2024.
- 798 total emails were received and responded to in July 2024 as compared to 733 total emails in June 2024.
- Meter Reading Unit reported a successful electronic read percentage average of 95.3% in July 2024 as compared to @ 94.3% for the month of June 2024. The decrease continues to be the result of depleted endpoint battery life and no meters in stock for replacement.
- 11.9% of GWA active meters recorded ongoing leakages for the month of July 2024 as compared to 12.6% in June 2024.
- One Utility Customer Experience weekly work sessions continue with both GPA and GWA Program Managers and Section Supervisors working diligently towards improving service to our ratepayers.





GWA Financial Overview

JUN 2024





Key Financial Indicators

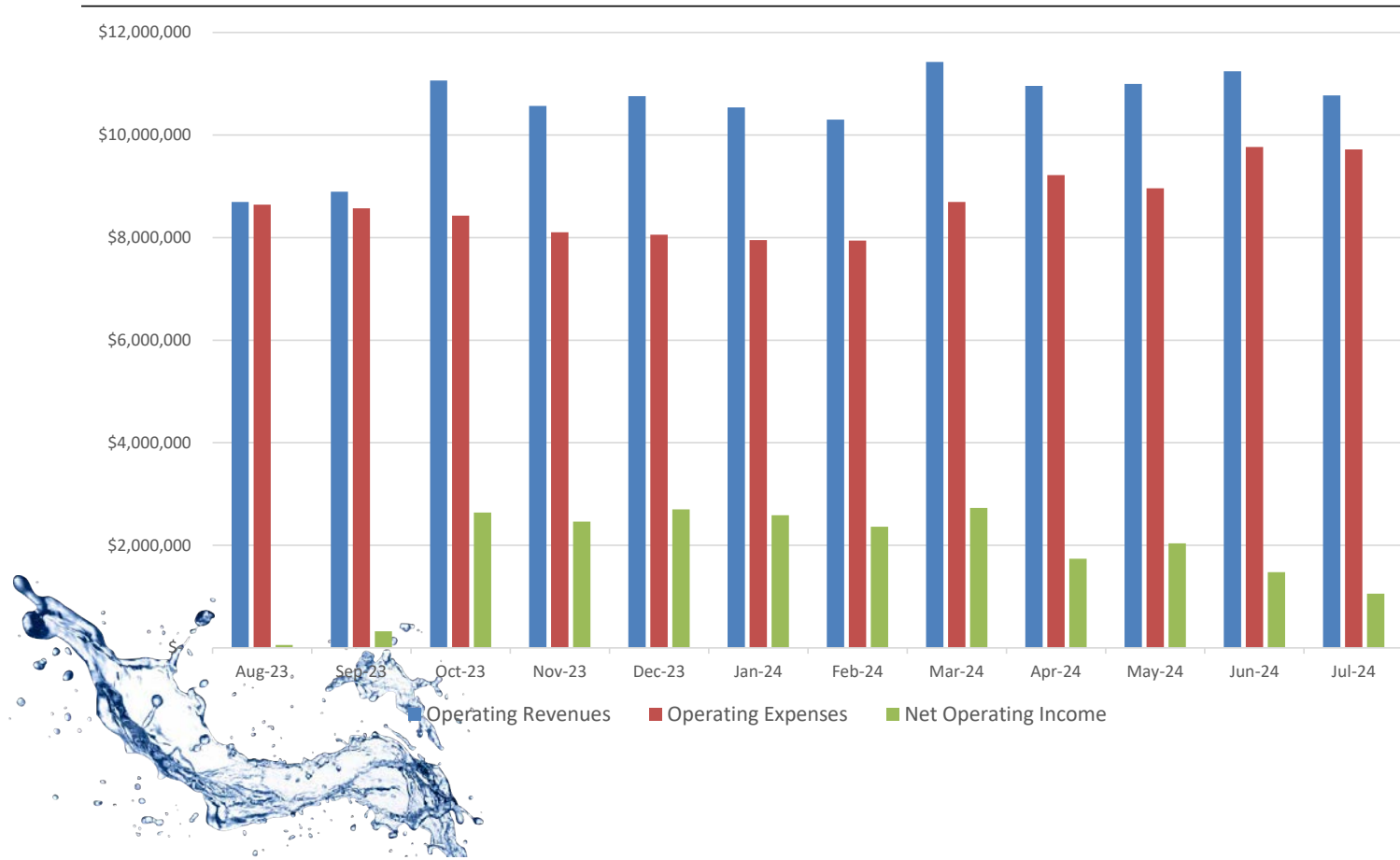
Indicator	Target	May-24	Jun-24	Jul-24
DSC YTD				
- Per Section 6.12 of Indenture	1.25	1.41	1.39	1.36
- Per PUC/ CCU	1.30	1.41	1.39	1.36
Days – Cash on Hand	120 days	279 days	287 days	266 days
Collection Ratio				
- Month to Date	99%	93%	90%	104%
- Year to Date	99%	91%	90%	92%
Days Billed	30 days	31 days	30 days	30 days
Account Receivable Days	30 days	40 days	42 days	41 days
Account Payable Days	45 days	33 days	32 days	35 days
Employee Count	400 FTE	347 FTE	351 FTE	347 FTE
Water Demand				
- Month to Date	451,933	441,340	429,506	411,884
- Year to Date	4,519,333	3,426,302	3,855,809	4,267,694
Wastewater Flow				
- Month to Date	317,500	320,257	337,832	302,155
- Year to Date	3,175,000	2,521,669	2,859,501	3,161,656
Operations & Maintenance Expense*	\$6,567,186	\$6,731,301	\$7,377,868	\$7,241,908
Water Customers	43,978	43,830	43,667	43,713
Wastewater Customers	30,781	31,161	31,111	31,119

*Excludes depreciation



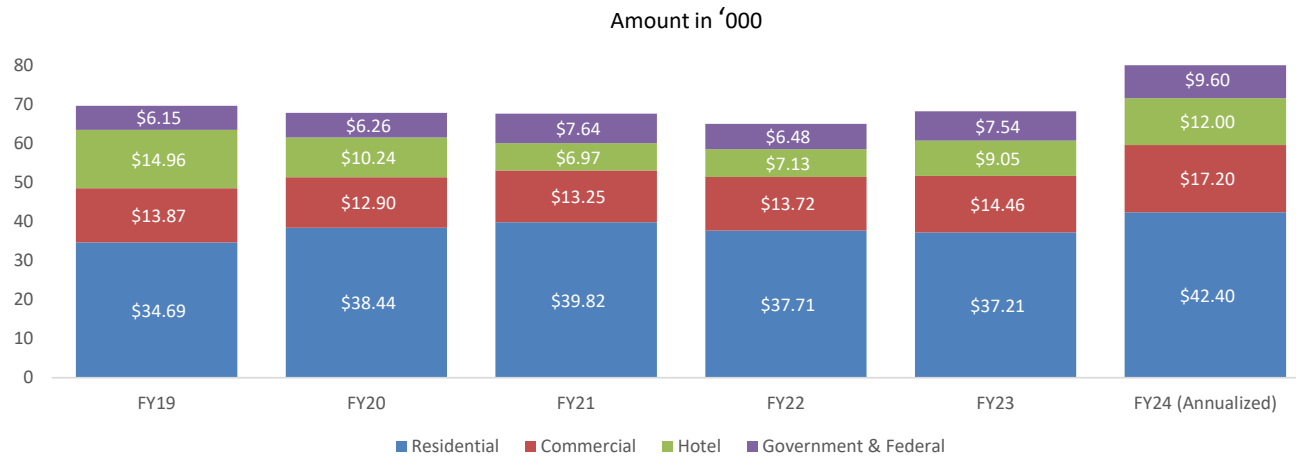
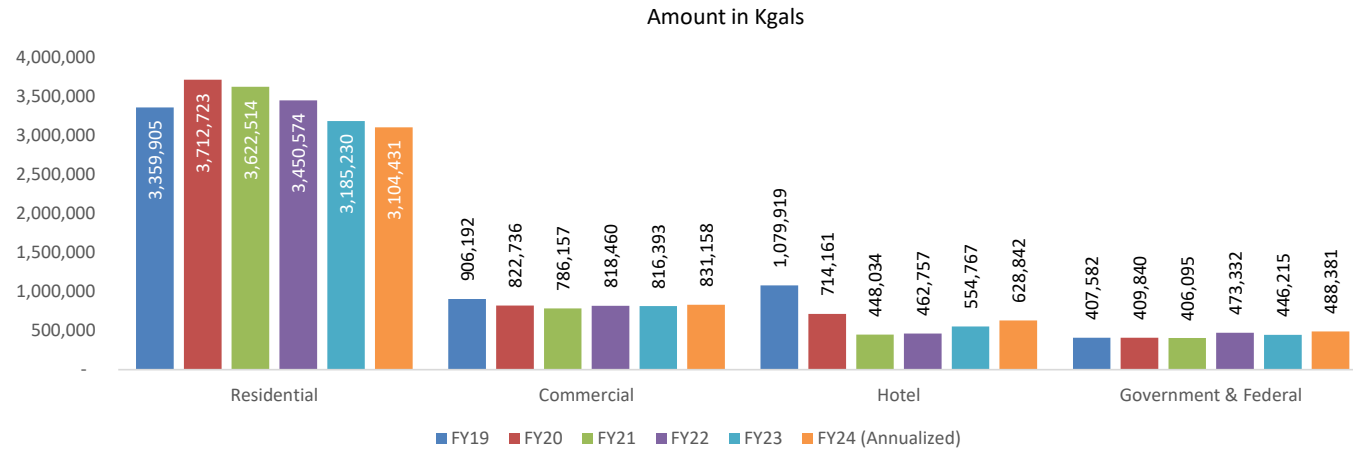


Income Statement



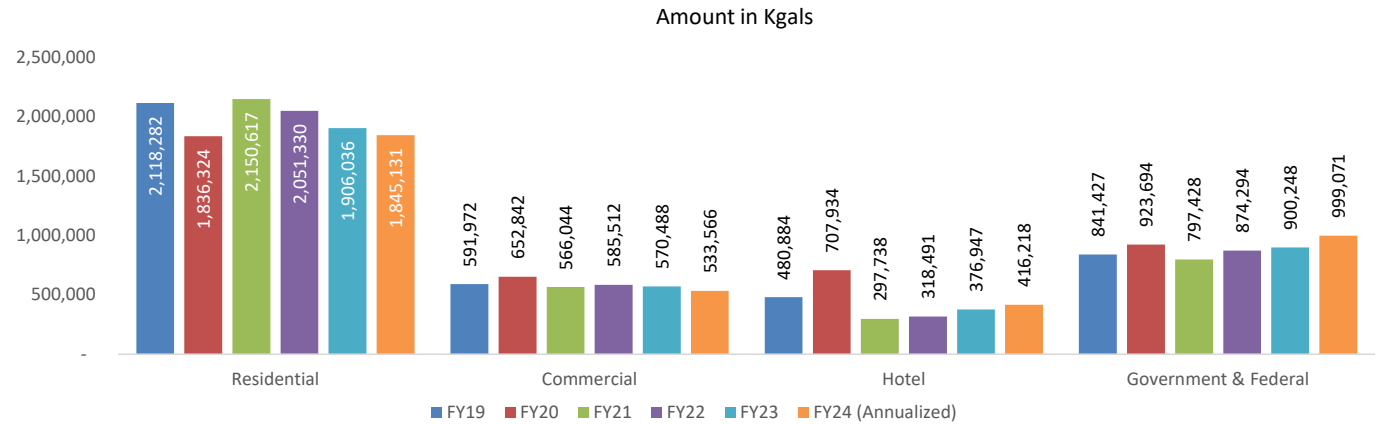


Annual Water Demand and Revenues by Rate Class



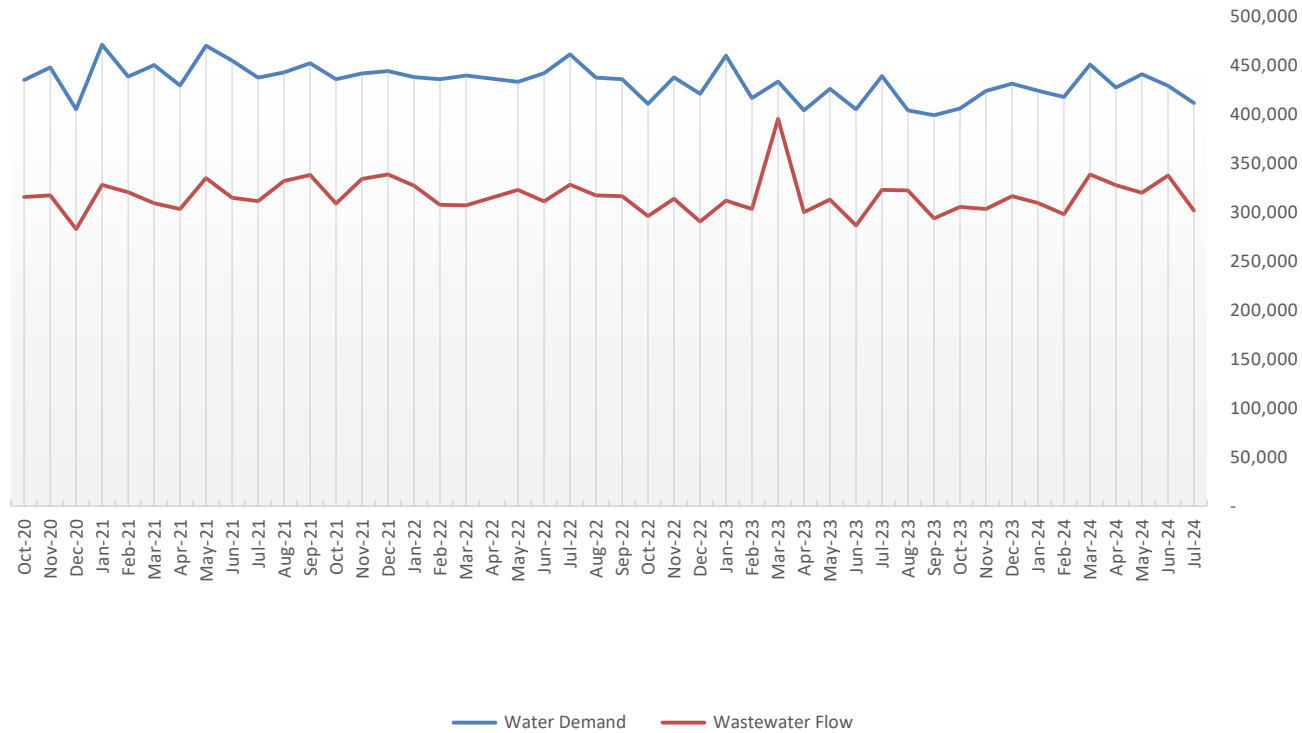


Annual Wastewater Billable Flows and Revenues by Rate Class





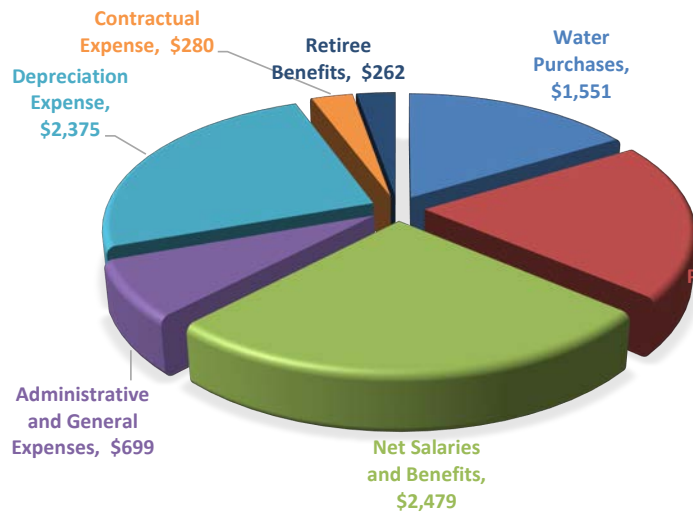
Water Demand & Wastewater Flow – 4 Years



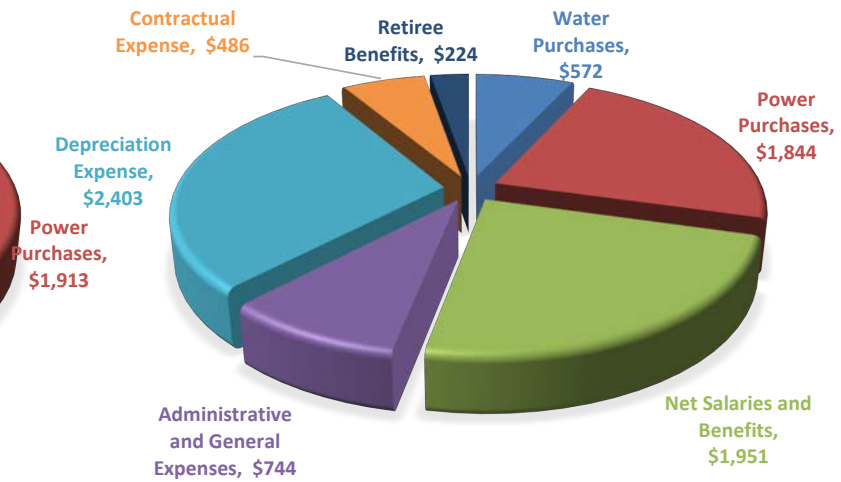


JULY YTD Expenses by Categories

FY2024 (in '000)

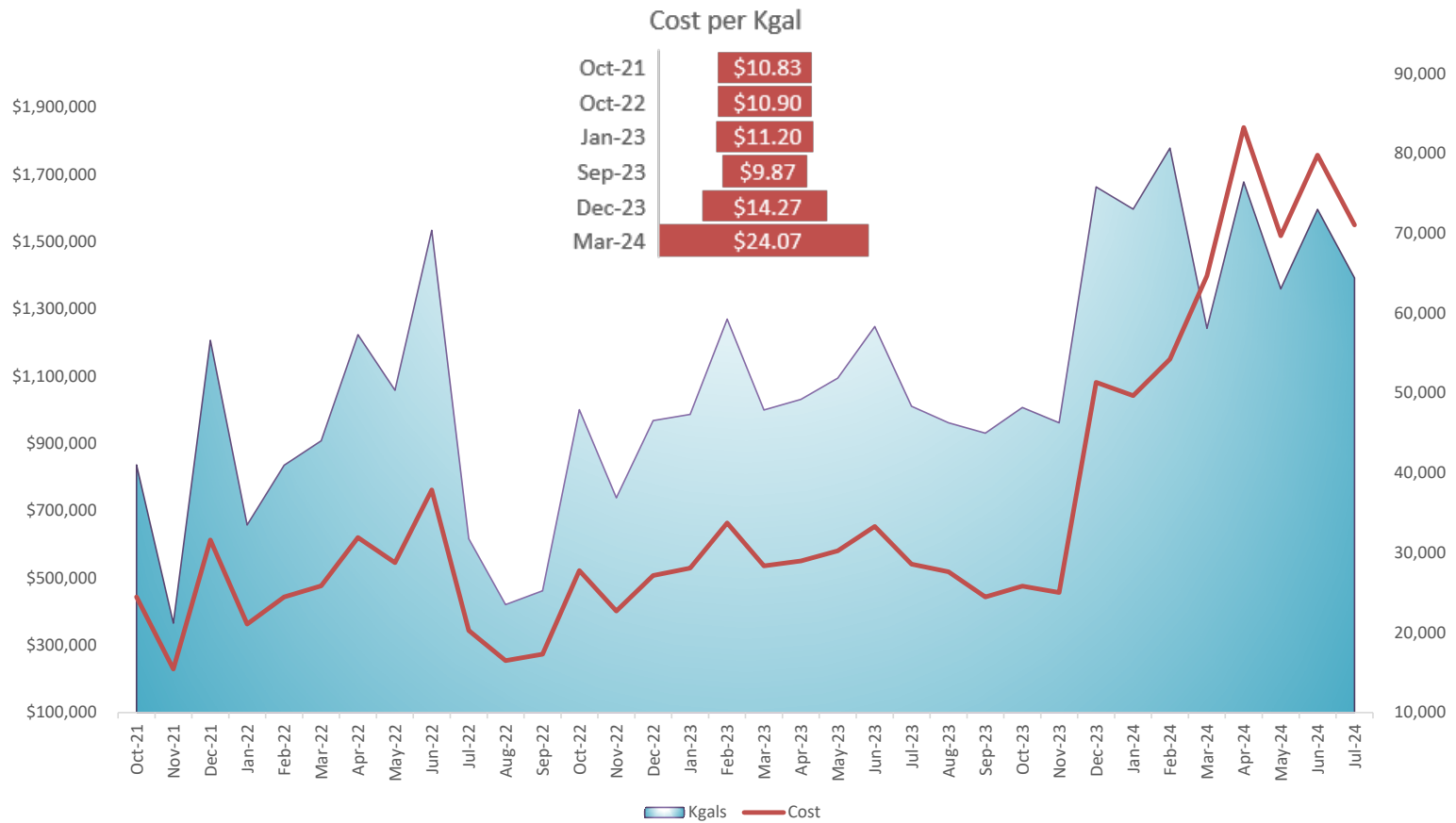


FY2023 (in '000)





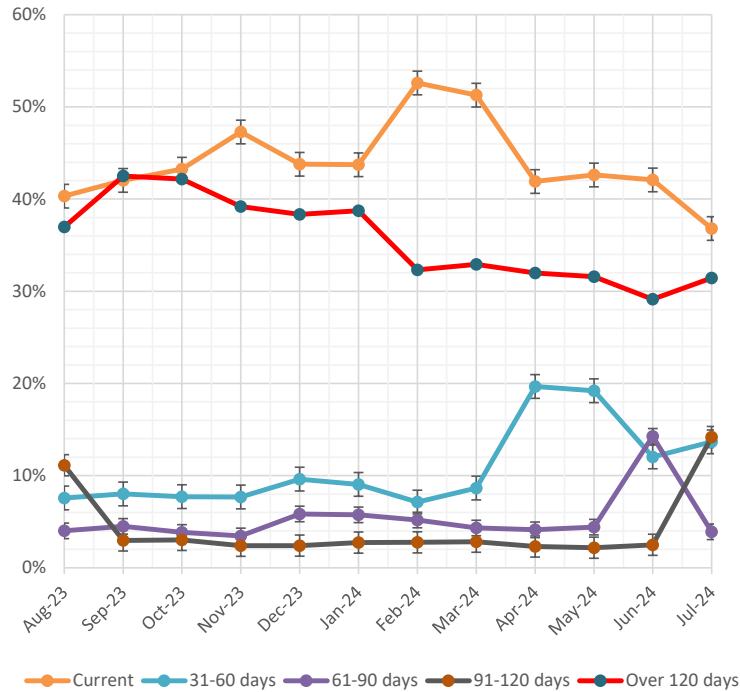
Navy Water Purchases



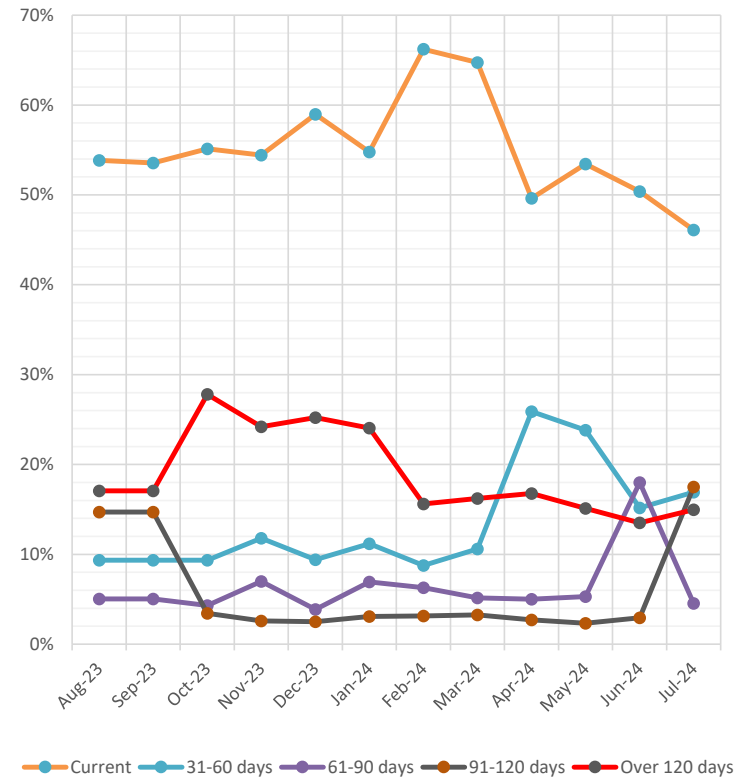


Overall – AR Aging

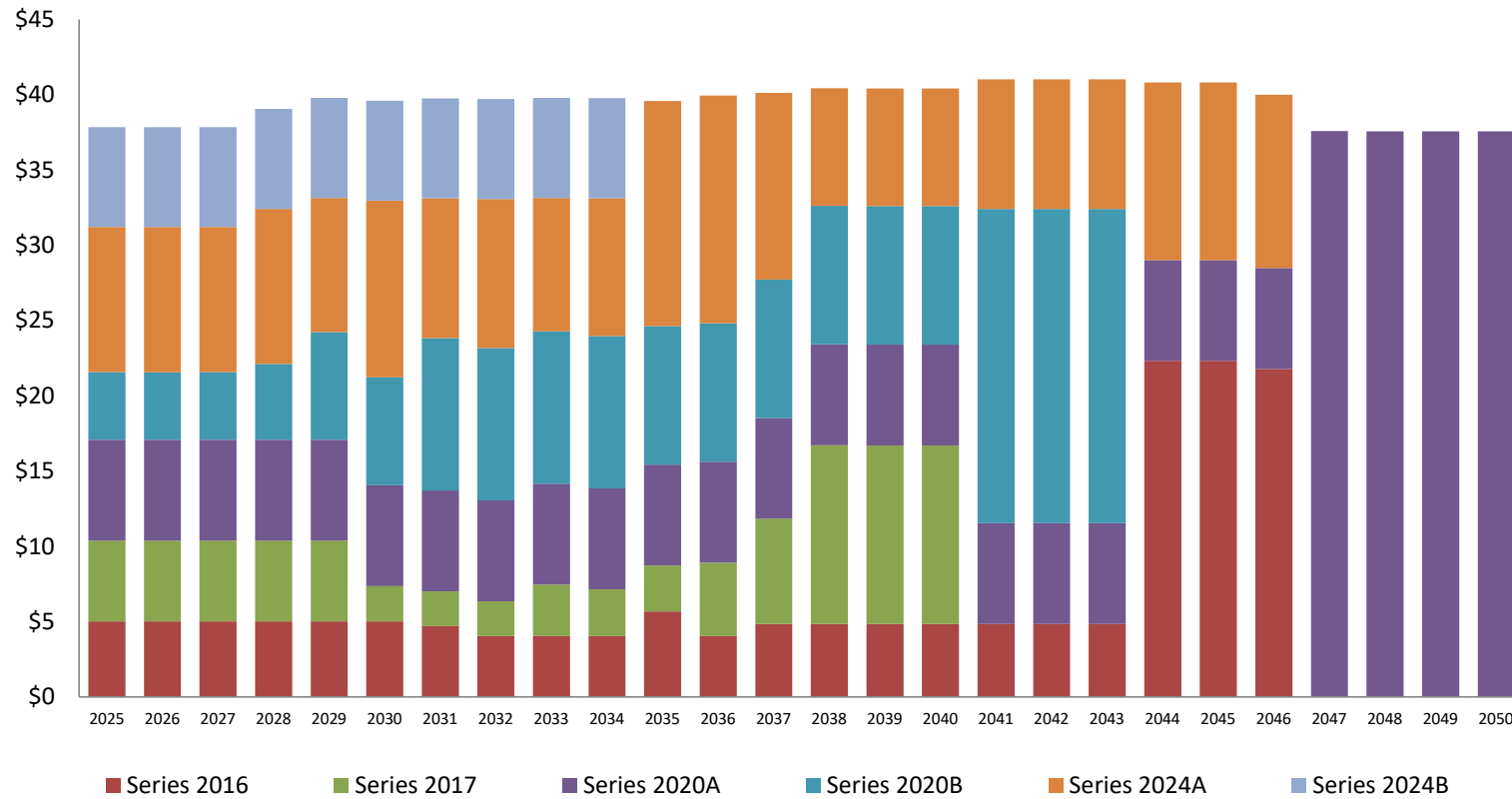
% of Aged AR Balance to Total AR Balance



% 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 JULY 2024

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	WEEK	JULY 2024 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY	JUN 2024
	07/06/24	07/13/24	07/20/24	07/27/24	08/03/24			AVERAGE JUN 2024	MONTHLY TOTAL
Collections Activities:									
I. Number of accounts cut for nonpayment:	52	96	80	83	68	379	82	59	237
II. Number of accounts restored for nonpayment:	53	67	56	77	58	311	65	50	198
III. Number of No water reports responded to:	3	0	0	0	0	3	0	3	11
IV. Number of Secure/Unsecure valve reports responded to:	4	3	1	4	4	16	3	3	12
V. Number of Verify reads responded to:	9	21	20	8	13	71	16	6	25
VI. Number of new pay plans negotiated for active accounts:	86	126	110	88	93	503	104	93	371
VII. Number of active pay plans negotiated and ongoing:	360	408	440	415	351		404	365	
VIII. Number of inactive accounts with a payment arrangement:	20	20	20	20	20		20	20	
IX. Number of broken payment plans:	65	53	44	56	88	306	60	48	193
Customer Service Activities (lobby visits):									
A. GBN Public Service Building – Fadian									
i. Total Customers Assisted:	177	196	169	152	173	867	173	168	671
ii. Total Abandoned Requests:	2	5	2	3	4	16	4	4	16
iii. Average Wait Time:	6 minutes	3 minutes	3 minutes	3 minutes	3 minutes		3.6 minutes	3.5 minutes	
iv. Average Service Time:	16 minutes	15 minutes	13 minutes	15 minutes	14 minutes		14.6 minutes	14.75 minutes	
v. Purpose of lobby visit:									
1. Apply for water:	61	63	52	47	61	284	56	48	193
2. Restore water cut for non payment:	14	15	9	12	9	59	11	10	38
3. Terminate Water:	18	22	8	9	9	66	12	15	60
4. Copy of Bill:	50	30	33	34	48	195	36	43	170
5. Billing Dispute:	43	30	38	28	37	176	33	32	129
6. Billing Dispute follow up:	2	3	0	0	3	8	2	2	7
7. General Questions & Other:	49	41	32	28	40	190	35	47	186
8. Report a water leak:	1	0	1	0	1	3	1	1	4
9. Report water theft:	0	0	0	0	0	0	0	0	0
10. Payment Arrangement:	15	23	20	13	13	84	17	20	80
B. Julale Satellite Office – Hagatna									
i. Total Customers Assisted:	175	206	187	182	228	978	201	203	811
ii. Total Abandoned Requests:	4	3	1	3	11	22	5	6	23
iii. Average Wait Time:	2 minutes	2 minutes	2 minutes	2 minutes	3 minutes		2.2 minutes	2 minutes	
iv. Average Service Time:	9 minutes	8 minutes	9 minutes	9 minutes	9 minutes		8.8 minutes	8.25 minutes	
v. Purpose of lobby visit:									
1. Apply for water:	46	50	50	50	57	253	52	45	179
2. Restore water cut for non payment:	9	17	9	8	12	55	12	7	27
3. Terminate Water:	20	12	13	12	29	86	17	18	70
4. Copy of Bill:	30	45	48	41	47	211	45	49	196
5. Billing Dispute:	61	90	70	70	81	372	78	72	289
6. Billing Dispute follow up:	0	1	1	0	2	4	1	1	2
7. General Questions & Other:	22	21	25	21	25	114	23	31	125
8. Report a water leak:	3	2	3	0	1	9	2	1	3
9. Report water theft:	0	0	0	0	0	0	0	0	0
10. Payment Arrangement:	15	22	13	16	16	82	17	22	89
C. Upper Tumon Satellite Office – Upper Tumon									
i. Total Customers Assisted:	256	271	262	264	309	1362	277	260	1038
ii. Total Abandoned Requests:	7	6	9	4	8	34	7	7	28
iii. Average Wait Time:	5 minutes	3 minutes	3 minutes	5 minutes	6 minutes		4.4 minutes	3.25 minutes	
iv. Average Service Time:	13 minutes	11 minutes	12 minutes	12 minutes	13 minutes		12.2 minutes	12 minutes	
v. Purpose of lobby visit:									
1. Apply for water:	72	72	54	55	104	357	71	76	304
2. Restore water cut for non payment:	10	26	15	38	19	108	25	16	63
3. Terminate Water:	25	17	24	37	38	141	29	29	116
4. Copy of Bill:	30	50	41	40	37	198	42	37	146
5. Billing Dispute:	61	54	58	53	61	287	57	59	237
6. Billing Dispute follow up:	0	2	1	3	4	10	3	2	6
7. General Questions & Other:	59	45	46	46	46	242	46	48	192
8. Report a water leak:	0	1	1	0	1	3	1	1	3
9. Report water theft:	0	0	0	0	0	0	0	0	1
10. Payment Arrangement:	28	38	37	50	30	183	39	35	140

GWA Utility Services Division
 Monthly Status Report
 Month ending JULY 2024

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	WEEK	JULY 2024 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY AVERAGE JUN 2024	JUN 2024 MONTHLY TOTAL
	07/06/24	07/13/24	07/20/24	07/27/24	08/03/24				

Customer Service Activities (Electronic):									
i. Emails Received:									
1. customers@guamwaterworks.org:									
	153	180	173	131	142	779	157	180	720
Request type (email):									
a. Apply for water:	29	36	31	18	36	150	30	40	161
b. Terminate Water:	21	16	12	7	11	67	12	13	52
c. Copy of Bill:	7	3	10	6	3	29	6	5	19
d. Billing Dispute & follow up:	0	7	11	4	8	30	8	5	20
e. General Questions & Other:	55	89	85	71	63	363	77	85	340
f. Report a water leak:	7	1	6	3	5	22	4	3	12
g. Report water theft:	0	1	0	0	0	1	0	0	1
h. Online services inquiry:	31	24	15	15	13	98	17	26	102
2. gwaservicesme@guamwaterworks.org (realtors/prop mgrs):									
	3	3	3	7	3	19	4	3	13
ii. Emails Replied (both):									
	168	180	143	121	142	754	147	169	675
iii. Online Portal:									
Request type (online portal):									
a. Start Service:	4	2	1	3	4	14	3	4	17
b. Stop Service:	4	3	1	0	5	13	2	2	6
c. Payment Plan:	6	10	11	7	6	40	9	9	34
d. Customer Information Updates:	0	1	1	0	0	2	1	1	4
e. Service Investigations:	2	1	1	1	2	7	1	1	5
f. Account Inquiries:	7	5	5	5	3	25	5	3	13
g. Technical Support:	1	3	0	1	0	5	1	3	12
h. Outages & Emergencies:	0	0	0	0	0	0	0	0	0

Call Center Activities:									
i. Calls Received:									
	1289	1682	2309	1920	1332	8532	1811	1744	6976
ii. Calls Immediately Answered:									
	323	424	480	331	375	1933	403	400	1601
iii. Calls Abandoned:									
	66	93	123	94	61	437	93	94	375
iv. Calls Handled by Voice mail:									
	855	1164	1653	1451	868	5991	1284	1221	4882
v. Average duration of call:									
	2 minutes	2 minutes	2 minutes	2 minutes	2 minutes		1.64 minutes	2.325 minutes	
vi. Breakdown by request type:									
1. Apply/Terminate info:	40	52	36	30	53	211	43	50	200
2. Automated Telephone Call:	5	34	78	14	27	158	38	43	173
3. Balance Inquiry:	62	60	88	53	55	318	64	80	320
4. Call Back:	44	144	154	110	135	587	136	91	362
5. Dispatch:	20	13	13	11	6	63	11	18	71
6. Dispute:	14	6	12	7	7	46	8	6	24
7. Follow-up:	2	8	19	10	4	43	10	7	27
8. General Questions & Other:	83	148	95	117	150	593	128	93	371
9. Route Calls to GWA Staff:	9	10	23	12	4	58	12	14	55
10. No Water:	6	11	21	16	4	58	13	20	79
11. Online/Phone App Help:	40	45	34	15	29	163	31	59	235
12. Pay by Phone:	58	69	59	46	50	282	56	70	280
13. Pay Plan:	37	56	43	37	38	211	44	43	170
14. Restore Non-payment:	28	31	26	29	20	134	27	26	102
15. Secure/Unsecure Valve:	7	7	10	7	3	34	7	9	36
16. Voice Mail:	110	85	264	193	60	712	151	134	537
17. Water leak:	0	3	4	3	3	13	3	2	6
vii. Social media responses:									
GWA Facebook Messenger:	0	0	0	0	2	2	0	2	10
GWA Facebook Responsive Rate:	0%	0%	0%	0%	100%		20%	83%	
Total number of Facebook visits:	1100	2100	1600	1000	791	6591	1450	1933	7400
Total number of Instagram profile visits:	54	102	51	97	43	347	76	94	339

Bill Dispute & Resolution Activities:									
i. Dispute Resolution:									
1. Number of disputed accounts resolved:	5	6	6	6	11	34	8	4	19
2. Number of disputed accounts under review:	828	831	837	841	850		843	849	

Data Entry of Completed Field work in CIS:									
i. Document Control:									
1. Number of field activities posted:	7	15	68	57	80	227	55	21	82
2. Number of field activities pending:	0	0	0	0	0	0	0	0	0

GWA Utility Services Division
 Monthly Status Report
 Month ending JULY 2024

FY2024 UTILITY SERVICES DIVISION ACTIVITIES	WEEK	WEEK	WEEK	WEEK	WEEK	JULY 2024 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2024	PREVIOUS MONTH	
	ENDING:	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY AVERAGE JUN 2024	JUN 2024 MONTHLY TOTAL
	07/06/24	07/13/24	07/20/24	07/27/24	08/03/24				

Field Response Activities:									
I. Number of field activities assigned:	262	218	238	164	318	1200	235	283	1133
II. Number of field activities completed:	283	222	228	177	303	1213	233	245	980
III. Number of field activities pending field action:	8	23	23	15	9		18	1177	

Meter Reading Activities:									
I. Number of meters read:									
A. Electronically Read Meters:	6291	11366	15477	7478	1	40613	8581	10213	40851
B. Manually Read Meters:	505	928	766	523	6	2728	556	610	2440
i. Unread meters (Meters scheduled but not read):	6	8	5	1	0	20	4	4	17
ii. Number of data logs received:	28	26	32	30	37	153	31	36	145
iii. Number of data logs retrieved:	28	11	31	21	73	164	34	34	134
iv. Number of data logs pending field action:	0	0	0	0	0	0	0	0	0
v. Communication Errors/Reprogramming requests:	3	4	5	7	4	23	5	3	13
vi. Number of estimated readings (for the week):	3	2	0	2	1	8	1	6	24
vii. Reasons for Estimations:									
1. Cant locate meter:	0	0	0	0	0	0	0	0	0
2. Temporary Obstruction:	0	0	0	0	0	0	0	1	4
3. Vicious Dog:	0	0	0	0	0	0	0	0	0
4. Flooded meter:	2	1	0	2	0	5	1	2	6
5. Corrective action to database requested:	1	1	0	0	1	3	1	3	10
6. Possible changed out meter:	0	0	0	0	0	0	0	0	0
7. Communication/Programming error (code 92's):	0	0	0	0	0	0	0	1	4
8. Other:	0	0	0	0	0	0	0	0	0
a. Leaks detected on customer's	683	1477	2154	879	0	5193	1128	1289	5154
b. Reverse Flow Detected:	318	451	476	520	0	1765	362	279	1115
c. No Usage Detected:	279	431	572	366	0	1648	342	392	1568
d. Tamper Code:	5	6	15	13	0	39	9	12	49
C. Electronic Read Percentage:	92.57%	92.45%	95.28%	93.46%	100.00%		95.30%	94.30%	

Illegal Connection & Unauthorized Use of Water Activities:									
I. Number of Inactive Still Consuming Reports rec'd & investigated:	0	0	1	6	0	7	2	0	1
II. Number of Illegal Connection reports rec'd & investigated:	0	2	1	0	4	7	2	2	8

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 it 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 generatated and sent to the billing address.

Customer Leaks and High Usage Alert Notifications:									
High Use Alert Only Total:	99	736	1549	1069	314	3767	753	634	2534
SMS	25	171	366	250	73	885	177	144	575
EMAIL	20	164	333	238	68	823	165	137	547
DIALER	27	200	424	289	86	1026	205	176	703
LETTER	27	201	426	292	87	1033	207	177	709
Leak Alerts Only Total:	734	2598	4687	2603	792	11414	2670	2929	11714
SMS	223	803	1497	825	240	3588	718	924	3696
EMAIL	226	787	1361	785	239	3398	680	869	3476
DIALER	284	1000	1821	986	313	4404	881	1132	4526
LETTER	1	8	8	7	0	24	5	4	16
Leak & High Use Alerts Only Total:	87	442	872	607	196	2204	529	403	1611
SMS	19	102	202	135	48	506	101	93	370
EMAIL	20	98	186	136	38	478	96	87	349
DIALER	24	121	240	168	55	608	122	111	445
LETTER	24	121	244	168	55	612	122.4	112	447

2011 Court Order Performance Report Card/Dashboard as of 07/30/2024



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
Court order total	93	78	0	13	2	97.8	100%

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

GWA Work Session - August 20, 2024 - GWA GM REPORT

2011 Court Order Performance Report Card/Dashboard as of 07/30/2024

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.

GWA Work Session - August 20, 2024 - GWA GM REPORT

2011 Court Order Performance Report Card/Dashboard as of 07/30/2024

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 th 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
August 2024**

Prepared by:

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Assistant General Manager of Engineering

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This Engineering Report summarizes activities for the month of July 2024.

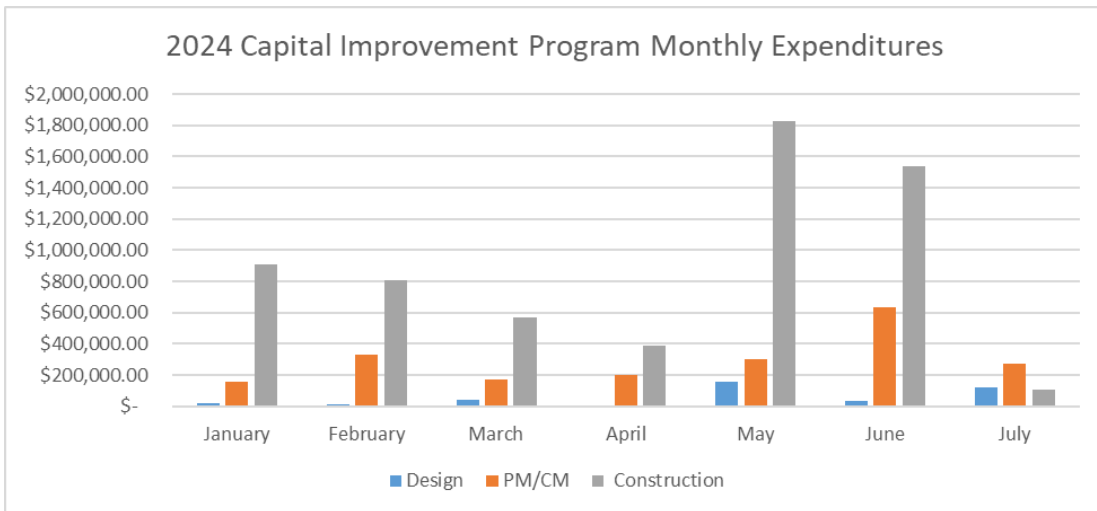
A. CIP Encumbrances

2024 Year To Date Engineering Encumbrances by Work Type				
Month	Design	PM/CM	Construction	Month Total
January	\$ 1,425,903.37	\$ -	\$ 43,633,085.48	\$ 45,058,988.85
February	\$ -	\$ 1,840,912.95	\$ 22,834,768.00	\$ 24,675,680.95
March	\$ 750,000.00	\$ 439,711.10	\$ -	\$ 1,189,711.10
April	\$ -	\$ -	\$ 321,739.68	\$ 321,739.68
May	\$ 8,788.00	\$ -	\$ 89,492.68	\$ 98,280.68
June	\$ 2,302,293.71	\$ 125,497.00	\$ 1,294,945.60	\$ 3,722,736.31
July	\$ 57,074.00	\$ 2,945,526.55	\$ 8,514,901.79	\$ 11,517,502.34
YTD Total	\$ 4,544,059.08	\$ 5,351,647.60	\$ 76,688,933.23	\$ 86,584,639.91

2024 Year To Date Engineering Encumbrances by Funding Type				
Month	Bond	Grant	Other	Month Total
January	\$ 39,786,035.48	\$ 5,272,953.37	\$ -	\$ 45,058,988.85
February	\$ 24,675,680.95	\$ -	\$ -	\$ 24,675,680.95
March	\$ 1,189,711.10	\$ -	\$ -	\$ 1,189,711.10
April	\$ 321,739.68	\$ -	\$ -	\$ 321,739.68
May	\$ 88,942.25	\$ 9,338.43	\$ -	\$ 98,280.68
June	\$ 1,420,442.60	\$ 2,302,293.71	\$ -	\$ 3,722,736.31
July	\$ 1,138,719.34	\$ 9,557,074.00	\$ 821,709.00	\$ 11,517,502.34
YTD Total	\$ 68,621,271.40	\$ 17,141,659.51	\$ 821,709.00	\$ 86,584,639.91

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	\$ 1,823,874.33	\$ 2,278,521.03
June	\$ 34,814.14	\$ 635,671.94	\$ 1,540,235.88	\$ 2,210,721.96
July	\$ 122,748.64	\$ 272,282.63	\$ 108,134.19	\$ 503,165.46
Grand Total	\$ 391,119.88	\$ 2,062,692.81	\$ 6,144,648.44	\$ 8,598,461.13



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.

GWA Work Session - August 20, 2024 - GWA GM REPORT

					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				
Water CIP Design																																
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			Scope of work completed, procurement documents to be sent to OAG for review																												
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																												
Water Loss Program																																
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 Replment' 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				
Wastewater CIP Design & CM																																
RFP-02-ENG-2024	Adacao Water & Sewer Infrastructure -CM/PM	11/30/2024	12/30/2026	To be advertise August 8, 2024																												
RFP-09-ENG-2022	Adacao Water & Sewer Infrastructure	6/3/2024	12/31/2026	90% design																												
RFP-01-ENG-2020	Dungca Beach Sewer Line Relocation																															
	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	CCU Approval																												
RFP-06-ENG-2022	IDIQ Island-wide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design-Consent Decree Capacity Assurance Projects																															
	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																												
Planning for Procurement	IDIQ Wastewater Transmission System Design and Management Services																															
	Pump Station - Tier 1			Target Advertise date by August 2024																												
	Force Mains - Condition Assessment			Target Advertise date by August 2024																												
Other CIP Design																																
RFP-07-ENG-2023	Rojas Harmon Stormwater Drainage	5/27/2024	5/2025	Contract signed, kick-off meeting initiated																												

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 July 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						114
Occupancy Permit	6	26	9	9	34	12	14						110
New Installation	27	24	23	24	31	13	19						161
Sewer Application	2	3	3	3	10	3	6						30
Sewer Inspection	2	3	2	3	0	0	0						10
Private Utility Acceptance	0	0	0	0	0	0	1						1
Relocation of Water Meter	3	5	3	1	1	2	2						17
Tapping-Water	5	3	3	2	2	0	4						19
Tapping-Sewer	2	4	0	2	0	0	4						12
Clearance-Water	14	10	14	7	21	9	15						90
Clearance-Sewer	13	8	2	4	11	3	9						50
Highway Encroachment	12	2	17	16	19	14	19						99
Verification of Utilities	11	9	10	13	13	8	7						71
Fire Flow Test	16	3	6	0	0	3	4						32
Schedule Water Outage	2	1	1	1	0	0	1						6
GPA Utility Clearances	12	3	5	17	4	10	13						64
GTA Utility Clearances	12	16	6	22	8	10	15						89

AVERAGE PROCESSING TIME FOR COMPLETIONS (DAYS) FOR JULY 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 July 2024 was 17 days. To calculate the average processing time for Building Permits in July 2024, we refer to the Completed Permits table for July 2024, where we find that there were 16 Building permits completed. Each of the 16 building permits ranged from 3 to 30 days to complete. We calculate the average by adding up the total number of days it took to complete each building permit (265 days in total) and then dividing the total by 16, resulting in an average processing time of 17 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					
Occupancy Permit	0	0	0	0	0	0	0					
New Installation	163	80	98	58	151	73	98					
Sewer Application	0	0	0	0	0	0	0					
Sewer Inspection	0	0	0	0	0	0	0					
Private Utility Acceptance	0	0	0	0	0	0	12					
Relocation of Water Meter	30	30	14	14	27	132	7					
Tapping-Water	0	0	0	0	0	0	0					
Tapping-Sewer	0	0	0	0	0	0	0					
Clearance-Water	0	0	6	0	3	3	3					
Clearance-Sewer	0	0	0	0	0	0	0					
Highway Encroachment	0	0	0	0	0	0	0					
Verification of Utilities	25	17	17	15	19	11	15					
Fire Flow Test	0	0	1	0	0	0	0					
Schedule Water Outage	0	0	0	0	0	0	0					
GPA Clearances	0	0	0	0	0	0	0					
GTA Clearances	0	0	0	0	0	0	0					

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

H. Geographic Information System (GIS)

During the month of July 2024, the GIS Section concentrated its efforts on Sewer and Water System updates, map request, GIS assistance for Consent Decrees, GIS Help Desk assistance, worked on obtaining new 6-inch pixel imagery, conducted field work on Sarmiento Dr., in Santa Rita, assisted the Guam Fire Department (GFD) with GIS installations for fire hydrants, assisting the Guam Solid Waste Authority with their GIS install, and KMZ files for the WSO consultant.

Sewer System Updates

7 new sewer lines were created, which were 12, 16, and unknown inches in diameter. This added 865 linear feet, which equates to 0.16 miles. 14 sewer lines were edited, which were 6, 8, 12, 14, and 16 inch in diameter, for a total of 27,673 liner feet, which equates to 5.24 miles.

Water System Updates

Seven new water line was created, and it was 12, 16, and unknown in diameter. This added 865 linear feet, which equates to 0.16 miles. 39 water lines were edited which were 6, 12, 16, and unknown inches in diameter, for a total of 11,330 linear feet which equates to 2.15 miles.

Map Requests

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

- a. Maps for the proposed Adacao area
- b. Maps for customers.
- c. Maps for VOU's
- d. Maps for Pumpstations and Force Mains

GIS Assistance for Consent Decrees

The GIS Section participates in GoTo Meetings for Sewer Pumpstations and Force Mains, and Sewer Gravity 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
- d. Planning
- e. Electrical

Working to obtain new 6-inch pixel imagery.

The GIS Section is working to obtain new imagery at a 6-inch pixel resolution. The last imagery with 6-inch pixel resolution for GIS was in 2012, which we still use to this day.

GPA and GWA will utilize existing MOA to facilitate cost sharing on this upgrade which will benefit both utilities..

Update:

- Because of the weather time table in which the flight for the imagery can take place, GPA led the expedited procurement to order the imagery outright.

- Had we gone through with separate procurements, we would have missed the dryer weather window.

Field Work Conducted

The GIS Section went to Sarmiento 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.

Guam Fire Department GIS Installation for Fire Hydrant

History

Back in 2010 the Governor of Guam, then Felix Camacho, saw a GIS demonstration at the annual Governors Conference in Washington D.C. He subsequently funded the licensing for the whole Government of Guam to have GIS software. The Government of Guam entered into an Enterprise License Agreement (ELA) with the Environmental Systems Research Institute (ESRI) for three years. This license has been renewed every three years since.

To help train and install the GIS software government wide, the GWA GIS Manager (Rodney Toves) was listed as one of the Tier 1 support personnel for the license. Along with helping other Government Agencies, GWA and GPA would be using the bulk of the licenses. After the first ELA expired, GPA decided to purchase their own ELA.

All GIS software installed in GWA after 2010 is from the Government of Guam ELA.

In 2018 GFD asked to have the GIS software installed and requested a copy of the fire hydrants in the GWA GIS. GWA's GIS Section assisted. Now in 2024, GFD replaced all their old computers with new ones, so we are assisting with the re-installation and training of GFD personnel, as part of the Government of Guam's ELA Tier 1 support.

At this time, we await GFD's schedule for classroom training at GWA.

Update

We are working on a small train the trainer class for GFD personnel. We hope to have this done in August 2024.

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

Several efforts were tried to install ArcMap (GIS software) onto GSWA's workstation, but hardware issues plagued the process. Another attempt will happen in August 2024.

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 nd 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 st appraisal report submitted to GWA 05/11/2022. 2 nd 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"> • 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. • HDR is getting signatures for USACE “No Permit Required” to NPS, GWA, and GHURA. • No public comments as of 5/8/2024, a FONSI is being drafted by HDR for NPS to approve. • NPS posted New Release for EA on 3/26/2024 and comments will be accepted until 4/25/2024. • Revised Environmental Assessment report with NPS for review. 1/25/24 • 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.

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

	PROJECT TITLE	STATUS
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.
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K. CIP Exhibits

TOTAL NO. OF CIP PROJECTS: 48

ALL CIP SECTIONS

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

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

EXHIBIT NO.	PROJECT TITLE	STATUS
B-1	ID/IQ – Professional Civil and Structural Design Services	Active
B-2	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.

EXHIBIT NO.	PROJECT TITLE	STATUS
B-3	Gill Breeze Subdivision Water and Sewer Design RFP	Procurement
B-4	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.

EXHIBIT NO.	PROJECT TITLE	STATUS
B-5**	Well Abandonment	Planning**
B-6**	Well Rehab A-28, D-15, M-14, F-07	Planning**
B-7	Central Guam Reservoirs	Construction
		In Progress
B-8	Design and CM Services for Waterline Replacement of Various Bridges	Active Assessment/Design in Progress
B-9	Pressure Zone Realignment	Construction
		In Progress
B-10	Tai Rd./ S-13 and Canada-Toto Lp./Blas St. Waterline Replacement	Construction
		In Progress
B-11	Asan Springs Rehabilitation	EA in process, Design is complete, ROW agreement being negotiated with NPS
B-12	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;
B-13	ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement	Procurement
B-14	ID/IQ - Design and CM for Waterline Replacement and Upgrades	Procurement
B-15	ID/IQ - Design and CM Implementation of District Meter Areas	Procurement
B-16	ID/IQ - Design and CM Undersized Waterline Replacement	Procurement
B-17	Santa Rita Springs Rehabilitation	Procurement
B-18	Brigade II Booster Pump Station	Design completed
		Seeking grants for additional funding
B-19	New Well Construction (AG-10, AG-12, Y-08)	Design Completed
		CM on hold pending funding availability for construction
B-20	Northern and Southern Guam Reservoirs	Design/CM/Construction
		In Progress
B-21	Tank Repair/Bypass	Design/CM/Construction
		In Progress

** No project worksheets.

WASTEWATERNo. 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
B-22	Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II	Construction Completed
		Close-Out In Progress
B-23	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Santa Rita-Talofoto)	CM/Construction Completed
		Close-Out In Progress
B-24	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement	Construction Completed
		Close-Out In Progress
B-25	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
B-27	Fats, Oil, Grease Receiving Station	Procurement**
B-28	Tumon Hot Spots	Design Completed**
B-29	Dungca Beach Sewer Line Relocation	Design, In Progress**
B-30	Fujita Sewage Pump Station Redundant Force Main	Design, In Progress
B-31	Hagatna Main Sewage Pump Station Redundant Force Main	Design, In Progress
B-32	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	Design, In Progress
B-33	Hagatna Wastewater Treatment Plant Interim Disinfection	Design, Close-Out In Progress
B-34	Aplacho Drainage and Roadway Improvements Construction	Procurement

B-35	Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Design	Procurement
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** No project worksheets.

ELECTRICAL & CAPITAL IMPROVEMENTS

No. of Projects: 11

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, 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
B-1	IDIQ Task Order No. 2 – Structural Assessment and Rehabilitation Design at Commercial Port and Chaot Sewer Pump Stations	Design (HDR), In Progress
B-36	Groundwater Production Meter Replacement	Construction, Completed
B-37	Ugum Water Treatment Plant Rehabilitation	PM/CM, In Progress Construction, In Progress
B-38	Design-Build of Pago Bay 12-inch Waterline Replacement	Planning
B-39	Current Balancing Unit for Deep Well A-09	Planning
B-40	Deep Well Power Line Conditioner Pilot Project	Planning
B-41	GWA Upper Tumon Warehouse Renovation (Replaced by GWA Upper Tumon Campus Improvements)	
B-42	Design-Build GWA Upper Tumon Campus Improvements	Planning
B-43**	Design-Build GWA SCADA System Phases 1 and 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.

B-46	Rojas-Harmon Stormwater Drainage Improvements Design	Design In Progress
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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>AECOM</p> <ul style="list-style-type: none"> • Task Order No. 1 Mataguac Booster Pump Station Rehabilitation Design: 90% design phase. <ul style="list-style-type: none"> a. Project Engineer: William F. Esteves b. TO cost: \$250,000.00 • 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"> a. Project Engineer: William F. Esteves b. TO cost: \$750,000.00 <p>6/14/2024: 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 8/12/24 for completion of hydraulic analysis.</p> <p>HDR</p> <ul style="list-style-type: none"> • 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"> a. Project Engineer: Jessey A. Mendiola b. TO cost: \$164,310.00; TO Amendment #1 approved on 8/2/24 • 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. On May 24, 2024 Amendment no. 1 was submitted to process approval. 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. <ul style="list-style-type: none"> a. Project Engineer: Ernie Villarin
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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 8/6/2024		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.

<u>B-4</u>	Adacao Water and Sewer Infrastructure Design Services	S22-004-ARP
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		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 3rd 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.

B-7 **Central Guam Reservoirs** **W14-006-BND**

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 bid documents under preparation. USDOJ and USEPA funded. Engineering working on updating plans to include damage repairs to A-25, which include modifications for A-23. Designer revising plans and specifications to include various upgrades.

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.

<u>B-8</u>	Design and CM Services for Waterline Replacement of Various Bridges	W22-08-BND
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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
<p>01/31/24 - Design and CM Services contract under processing.</p> <p>02/02/24 - Letter of award was send to GHD</p> <p>02/22/24 - Design and CM Services contract was executed.</p> <p>02/26/24 - Notice to Proceed was issued, kick-off meeting was conducted.</p> <p>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.</p> <p>03/26/24 - GHD completed assessment of Agana 1, Asan Inland 2, and Asan Inland 3 bridges.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>06/27/24 - GHD coordinated a meeting with EonCoat, the pipe coating manufacturer.</p> <p style="color: red;">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.</p>

B-9 Pressure Zone Realignment W18-001-BND

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"> Phase 1: Punch list items. Terao property issues still in discussion with DoD. Phase 2: 100% design completed 03/23. IFB advertisement date: 02/14/24. Revision A drawings and specifications announced in Addendum No.4 on 06/06/24. Bid Opening conducted 07/26/2024. Bid Submittals under review.

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.

<u>B-11</u>	Asan Springs Rehabilitation	W11-003-BND
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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.

<u>B-13</u>	ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement	W22-05-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
08/06/2024	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. NTP to follow after insurance update and verification.

B-14	ID/IQ - Design and CM for Waterline Replacement and Upgrades	W22-04-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
08/06/2024	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.
GWA Legal revising E-505 documents to address OAG comments.

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
08/06/2024	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.
GWA Legal revising E-505 documents to address OAG comments.

<u>B-16</u>	ID/IQ - Design and CM Undersized Waterline Replacement	W22-03-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
08/06/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	Water
<p>The work to be performed consist of design and construction management of 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.</p>			

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.

<u>B-17</u>	Santa Rita Springs Rehabilitation	12305
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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.

B-18 **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

Design:
100% design completed 8/2022. COP 6 paid out.

Construction:
Pending funding availability. Funding was reallocated to CO projects.

CM:
Pending funding availability. Funding was reallocated to CO projects.

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"> Santa Rosa, Santa Rita, Sinifa, and Ugum No. 2 100% design completed. Inarajan and Agfayan BPS design ongoing (pending property acquisition for Agfayan). <p>Construction:</p> <ul style="list-style-type: none"> 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&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. Santa Rosa No. 1 and Sinifa No. 1 steel tanks change order for major repair have been issued. Repair work ongoing at both sites. 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
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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

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

**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.
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<u>B-24</u>	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement (Base Contract)	S16-003-EPA
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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 7/3/2024		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?

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

PDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		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>Phase I- Trankilo Street</p> <ul style="list-style-type: none"> a) GWA forwarded the comments and constructability review of the 90% design to GHD to be included in the 100% design. b) The Change Order is being negotiated. Waiting for the revised cost of Geo Engineering (soil boring test) SEARCH (amend AMDP) and GHD (design of paving of the legal Right of Way) c) SEARCH to perform 3 samples of pit test to the access road. Waiting for SEARCH cost. d) Meet with the Project Manager, Regulatory Division of US Army Corps on 8/6 to determine if permit application requirements. <ul style="list-style-type: none"> a) GWA to verify the area if it is above high tide zone, thus no permit is required. b) If within or below high tide, required permit application <ul style="list-style-type: none"> 1. Clean Water Act 404 - US Army Corps 2. Clean Water Act Section 401- GEPA 3. BSP CSZM 4. Biological and Wetland Assessment. 5. Amend AMDP report – SHPO c) Perform topographic survey to determine the Right of Way, and access the road if is reclaimed or not. <p>Phase II Lagoon Drive</p> <ul style="list-style-type: none"> a) 60% design accomplished.
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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.

B-30	Fujita Sewage Pump Station Redundant Force Main	S20-003-EPA
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
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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.

<u>B-31</u>	Hagatna Main Sewage Pump Station Redundant Force Main	S20-002-EPA
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
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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
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
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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

- 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).
 - GM directed to exclude mechanical assessments; DCA resubmitted proposal w/out mechanical (4/26/23) for total cost of \$65.7K.
 - 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).
 - 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.
 - 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.
 - 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.
 - DCA revising additional scope for causeway and WWTP (clarifier, screening, & mechanical rehab) site assessment and design; will be CO3.
- Considering options for causeway rehabilitation.

B-33 Hagatna Wastewater Treatment Plant Interim Disinfection S19-001-BND

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

<p>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.</p> <p>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.</p> <p>Contract amendment #2 was to include parts for clarifier repairs, as proper clarifier operations were needed for the pilot project.</p> <p>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.</p> <p>The technical memo for the interim disinfection project will be finalized and the project 3rd quarter of 2024.</p>
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B-34	Aplacho Drainage and Roadway Improvements	22202
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/6/2024		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 DPW and other agencies. GWA, and Land Management sign off.
 2. GWA reviewed the insurance and bond.
 3. The Notice of Award Decision Notification was published on 8/7.
 4. The Notice of Award were forwarded to A & R Pacific.
 5. Issuance of Notice to Proceed is ongoing.

**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 08/06/2024	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). |

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

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
As of 08/06/2024	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.

<u>B-38</u>	Design-Build of Pago Bay 12-inch Waterline Replacement	12303
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 07/02/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarín	Engineering Support

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.

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. The documents are with Legal for review.
10/29/2023	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.

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 05/31/2024	Barbara Ann C. Cruz, P.E.	William F. Esteves	Engineering Support
<p>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.</p>			

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.

B-40 Deep Well Power Line Conditioner Pilot Project

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 11/09/2023	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.

B-41 GWA Upper Tumon Warehouse Renovation 42102

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 03/05/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
The basic bid scope of work involves the design and construction of the replacement of existing warehouse roofing, sidings, exterior metal stairs, metal door, roll-up doors, and installation of ventilation system. The additive bid scope of work involves the demolition and replacement of existing office walls, ceilings, doors and windows, floor paving, painting, and electrical works.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Construction	IFB-03-ENG-2023			
Construction Management				GWA

PHASE	FUNDING SOURCES	COST	% COMPLETE
Construction	Internally Funded CIP		
Construction Management			

ACTIVITIES

Activities leading up to 01/19/2024 are described in prior monthly reports.

01/19/2024 Meeting with GM, AGME, AGMO, CFO and Engineering staff was held to discuss Design-Build of GWA Upper Tumon Campus Improvements. Design-Build of GWA Upper Tumon Campus Improvements will be comprised of Phase I and Phase II. Phase I includes Upper Tumon Warehouse Rehabilitation and Meter Testing Facility Repair while Phase II will involve Customer Service Center Renovation and Laboratory Equipment Replacement.

02/27/2024 Refer to "Upper Tumon Campus Improvements, Phases 1 and 2".

Note: In future monthly reports, the Upper Tumon Warehouse Renovation project will be replaced by and reported under the "Upper Tumon Campus Improvements, Phase 1".

B-42 GWA Upper Tumon Campus Improvements

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 07/02/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
<p>This project involves the following:</p> <ol style="list-style-type: none"> Phase 1 - Upper Tumon Warehouse Renovation and Meter Testing Facility Repair Phase 2 – Upper Tumon Customer Service Center Renovation and Laboratory Equipment Replacement <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).

B-46	Rojas-Harmon Stormwater Drainage Improvements Design	42306
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 08/01/2023	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 July 2024

Key Financial Indicators

Indicator	Target	May 2024	June 2024	July 2024
DSC YTD				
• Per Section 6.12 of Indenture	1.25	1.41	1.39	1.36
• Per PUC / CCU	1.30	1.41	1.39	1.36
Days – Cash on Hand	120 days	279 days	286 days	266 days
Collection Ratio**				
• Month to Date	99%	93%	90%	104%
• Year to Date	99%	91%	90%	92%
Days Billed	30 days	31 days	30 days	30 days
Account Receivable Days	30 days	40 days	42 days	41 days
Account Payable Days	45 days	33 days	32 days	35 days
Employee Count	400 FTE	347 FTE	351 FTE	347 FTE
Water Demand				
• Month to Date	451,933	441,340	429,506	411,884
• Year to Date		3,426,302	3,855,809	4,267,693
Wastewater Flow				
• Month to Date	317,500	320,257	337,832	302,155
• Year to Date		2,521,669	2,859,501	3,161,656
Operations & Maintenance Expense*	\$6,567,186	\$6,731,301	\$7,377,868	7,241,908
Water Customers	43,978	43,830	43,667	43,713
Wastewater Customers	30,781	31,161	31,111	31,119

*Excludes Depreciation

** Includes SDC Revenue and Collection

Water and Wastewater Consumption

Water consumption for July 2024 decreased by 6% compared to July 2023. Decreases in Residential and Commercial 1 consumption offset increases in Commercial 2, GovGuam and Hotel consumption. Wastewater flows decreased by 7% in the month of July compared to last year. Similarly, wastewater flow decreases in the Residential and Commercial 1 customer classes offset increases in other customer classes. Note that billing days in July 2024 were 30 days compared to 31 days in July 2023.

Year-to-date water consumption was about the same as the same period last year with increases in the Agriculture, Commercial, Hotel and GovGuam customer classes offsetting decreases in the residential customer class. Year-to-date wastewater flows as of July 2024 were 1% higher as compared to last year due to increases in the Government and Hotel customer classes.

Year-to-date average daily water consumption (ADC) as of July 2024 of 14,226 kgals is about the same as the prior year's 14,289 kgals. Decreases in the Residential customer class were offset by increases in the Hotel customer class. Year-to-date billing days at 300 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 \$18.2M or 1% to \$1.197B in July 2024. Current Assets increased by \$7.9M primarily due to increases in restricted cash and accounts receivable. Property, Plant and Equipment decreased by \$8.5M due to increases in accumulated depreciation. Other Noncurrent Assets decreased by \$8.0M due to debt service payments.
- Liabilities & Deferred Inflow of Resources of \$880.8M in September 2023* decreased by \$26.0M compared to \$854.8 M in July 2024.

*September 2023 balances updated based on FY23 audit.

- Accounts Receivable days in July 2024 decreased to 41 days from 42 days in June 2024. Accounts Payable days in July 2024 were 35 days compared to 32 days in June 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 July 2024 of \$10.8M are \$55.4K or 1% less than the budget of \$10.8M. July 2024 Total Operating Revenues are 19% or \$1.7M more than July 2023's \$9.0M. Note there was a rate increase of 16.7% effective October 2023.
- Year-to-date Operating Revenues as of July 2024 of \$108.6M were \$334.1K more than budget and \$18.0M or 20% more than Year-to-date Operating Revenues as of July 2023 of \$90.6M.
- 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	\$44,700,038	41.91%	\$39,053,540	43.89%
o Commercial	22,198,879	20.81%	19,211,815	21.59%
o Hotel	18,809,654	17.63%	14,005,962	15.74%
o Government of Guam	12,799,636	12.00%	10,450,717	11.74%
o Federal Government	7,666,644	7.19%	5,855,485	6.58%
o Agriculture, Golf Course, Irrigation	489,174	.46%	406,569	.46%
TOTALS	\$106,664,025	100.00%	\$88,984,088	100.00%

- Total Operating Expenses for July 2024 of \$9.6M were \$639.0K or 7% more than budget of \$9.0M. July 2024 Total Operating Expenses were 16% or \$1.3M more than July 2023's \$8.3M. We continue to monitor the Navy billing for water due to recent notices of substantial rate increases; the increases are related to the Base Operating Services Contract increases.
- Year-to-date Operating Expenses as of July 2024 of \$89.7M were 1% or \$940.8K more than the budget of \$88.7M and 3% or \$2.3M more than July 2023's YTD \$87.3M. Water purchases alone were \$6.0M more in this year compared to last year.
- Earnings from Operations for July 2024 of \$1.2M were 38% or \$694.4K less than the budget of \$1.9M and \$391.9K more than July 2023's \$764.1K. Change in Net Assets for July 2024 of -\$284.0K was \$2.0M less than the \$1.7M budget and \$526.9K less than July 2023's \$242.9K. The decrease in the



Change in Net Assets year over year was mostly due to bond and ARPA related transactions in the previous year.

- Year to Date Earnings from Operations as of July 2024 of \$19.0M is 3% or \$606.7K less than the budget of \$19.6M and \$15.7M more than prior year’s \$3.3M. Year-to-date Change in Net Assets as of July 2024 of \$7.8M is \$10.7M less than budget of \$18.6M and \$3.0M less than prior year’s \$10.8M. The decrease in the Change in Net Assets year over year was mostly due to the increase in Earnings from Operations being offset by the elimination of the ARPA funding and reduction in Grant contributions.
- No Rate Stabilization Funds were used in July 2024. There is a balance of \$950.0K in the RSF at the end of July 2024.

Cash Flow (Schedule F)

- FY2024 cash flows from operating activities were \$34.9M 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 FY2024 were \$52.3M compared to \$69.2M in FY2023 and cash provided by investing activities was \$13.3M in FY2024 compared to \$22.7M in FY2023. There was a net decrease in cash flows for FY2024 of \$4.0M compared to a \$11.5M increase for the same period in FY2023. Days Cash on Hand for July 2024 was calculated at 266 days compared to 286 days for June 2024 and 273 days for July 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 53% of payments were made with credit cards. Below is a summary of non-residential credit card payments and related fees.

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%



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 four Saturdays in July, 502 payments totaling \$89,845 were made towards GWA billings and 544 payments totaling \$187,464 were made for GPA.

For the month of July, Finance posted \$43,211 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 (GHAFP); 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 July 2024, GWA accepted \$75,530 in GSW payments at the Upper Tumon Office. GWA will bill \$1,299 to GSW for processing fees.

FY2025-FY2029 Financial Plan

In July, the PUC consultants issued five (5) sets of RFIs. GWA responded to 4 of the 5 sets. The last set was covered during a call on July 26, 2024 discuss any remaining issues. The PUC ALJ (Administrative Law Judge) issued a scheduling order on July 29, 2024 setting milestones that will end in the PUC rate hearing on September 24, 2024.

The PUC Consultants met GWA and its consultants from August 5th through the 12th in Guam to stipulate an agreement on the Financial Plan. The final stipulation is due to the PUC ALJ on August 16, later than the originally scheduled due date of August 12. PUC Public Hearings on the Financial Plan were held in the evenings on August 13, 14, and 15. Final testimony on the Financial Plan is due on August 21. Should hearings be required to discuss contested issues, the ALJ will issue a scheduling order on August 30 and the hearings will be held on September 4 and 5.

Legislative Updates

On July 5, 2024, the legislature introduced Bill 322-37 both of which appropriate \$15 million for wastewater infrastructure in parental subdivisions over the Northern Aquifer.

Bill 273-37 authorizing GWA to establish a Customer Assistance Program, introduced in April 2024, was passed by the legislature in July 2024.

Short Term Construction Financing

On July 2, 2024, additional information on alternative financing vehicles was requested from those organizations who responded to GEDA's RFI. 24-001 on Short Term Construction and Infrastructure Financing Program. Responses were received on July 9, 2024. GEDA plans to issue an RFP for short term financing before the calendar year end.

Tourism

Visitor arrivals in June 2024 were 52,757 compared to June 2023 arrivals of 17,310, an increase of 204.8%. Fiscal Year to Date arrivals in June 2024 were 575,079 up 33.6% from June FY2023's YTD 430,312. Calendar Year to Date arrivals for June 2024 were 386,397 up 30.7% from June CY2023's YTD 295,554.

**GUAM WATERWORKS AUTHORITY
July 31, 2024
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY
Balance Sheet
July 31, 2024

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited July 31, 2024	Audited September 30, 2023	Increase (Decrease)
Current Assets			
Cash			
Unrestricted (Schedule G)	46,299,842	50,324,888	(4,025,046)
Restricted Funds (Schedule G)	38,896,796	32,707,733	6,189,063
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$9,677,684 at Jul 31, 2024 and \$10,894,003 at Sep 30, 2023	16,935,516	11,484,716	5,450,799
Federal Receivable	859,463	2,191,346	(1,331,883)
Other Receivable	1,623,867	1,561,619	62,247
Prepaid Expenses	2,965,888	1,206,948	1,758,940
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$122,856 at Jul 31, 2024 and \$122,856 at Sep 30, 2023	4,845,084	5,096,658	(251,574)
Total Current Assets	112,426,455	104,573,908	7,852,547
Property, Plant and Equipment			
Utility plant in service			
Water system	451,591,182	444,848,078	6,743,103
Wastewater system	683,638,364	679,249,470	4,388,895
Non-utility property	34,296,143	33,683,228	612,915
Total property	1,169,525,689	1,157,780,776	11,744,913
Less: Accumulated Depreciation	(448,285,979)	(424,928,727)	(23,357,252)
Land	5,737,168	5,287,305	449,863
Construction Work in Progress	76,850,458	74,149,217	2,701,241
Property, Plant and Equipment, net	803,827,336	812,288,571	(8,461,235)
Lease and subscription IT assets	614,418	614,418	-
Noncurrent assets			
Restricted cash (Schedule G)	145,840,720	150,366,788	(4,526,068)
Investments (Schedule G)	66,781,845	70,239,665	(3,457,820)
Total other noncurrent assets and deferred charges	212,622,565	220,606,453	(7,983,888)
Total Assets	1,129,490,774	1,138,083,350	(8,592,576)
Deferred outflows of resources			
Regulatory assets	3,174,728	3,174,728	-
Debt defeasance due to bond refunding	17,616,923	27,184,464	(9,567,541)
Deferred outflows from pension	18,328,045	18,328,045	-
Deferred outflows from OPEB	28,539,954	28,539,954	-
Total Assets and Deferred Outflows of Resources	1,197,150,424	1,215,310,541	(18,160,117)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
Current Liabilities			
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	5,104,638	4,329,683	774,956
Accrued and Other Liabilities	10,107,036	9,202,765	904,271
Interest Payable	2,284,112	7,070,516	(4,786,404)
Accrued Payroll and Employee Benefits	1,280,917	1,334,022	(53,105)
Current portion of employee annual leave	729,390	729,390	-
Contractors' Payable	5,375,413	8,565,009	(3,189,596)
Customer and Other Deposits	2,314,059	2,268,968	45,092
Total Current Liabilities	27,570,669	44,635,456	(17,064,787)
Long Term Debt, less current maturities			
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	46,948,794	37,287,410	9,661,384
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	-
Total Liabilities	807,877,556	833,845,960	(25,968,404)
Deferred inflows of resources:			
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	-
Total Liabilities and Deferred Inflows of Resources	854,815,055	880,796,209	(25,981,154)
Net Assets	342,335,369	334,514,332	7,821,037
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,197,150,424	1,215,310,541	(18,160,117)

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

SCHEDULE B

	Month to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) July-24	Budget July-24	
OPERATING REVENUES			
Water Revenues	6,551,702	6,706,635	(154,933)
Wastewater Revenues	3,687,690	3,652,565	35,125
Legislative Surcharge	334,892	327,945	6,947
Other Revenues	138,042	39,525	98,517
System Development Charge	60,911	102,000	(41,089)
Total Operating Revenues	10,773,236	10,828,670	(55,433)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,550,546	491,667	(1,058,879)
Power Purchases	1,913,064	1,935,131	22,066
Total Utility Costs	<u>3,463,610</u>	<u>2,426,797</u>	<u>(1,036,813)</u>
Salaries and Wages	1,915,547	1,825,560	(89,987)
Pension and Benefits	763,597	649,877	(113,720)
Total Salaries and Benefits	<u>2,679,144</u>	<u>2,475,437</u>	<u>(203,707)</u>
Capitalized Labor and Benefits	(200,210)	(346,595)	(146,385)
Net Salaries and Benefits	<u>2,478,935</u>	<u>2,128,842</u>	<u>(350,092)</u>
Administrative and General Expenses			
Sludge removal	84,817	99,422	14,604
Chemicals	105,035	159,944	54,909
Materials & Supplies	90,236	220,785	130,549
Transportation	34,894	64,629	29,735
Communications	26,400	13,268	(13,132)
Claims	-	14,917	14,917
Insurance	154,434	161,333	6,899
Training & Travel	28,180	30,100	1,921
Advertising	4,052	10,903	6,851
Miscellaneous	131,154	113,626	(17,528)
Regulatory Expense	39,751	18,250	(21,501)
Bad Debts Provision	(0)	188,520	188,520
Total Administrative and General Expense	<u>698,951</u>	<u>1,095,696</u>	<u>396,745</u>
Depreciation Expense	<u>2,375,266</u>	<u>2,401,423</u>	<u>26,157</u>
Contractual Expense			
Audit & Computer Maintenance	53,043	205,303	152,260
Building rental	48,905	50,264	1,358
Equipment rental	39,168	45,663	6,495
Legal	45,263	87,696	42,433
Laboratory	4,832	47,121	42,289
Other	88,664	176,399	87,735
Total Contractual Expense	<u>279,875</u>	<u>612,445</u>	<u>332,570</u>
Retiree Supp. Annuities and health care costs	262,078	252,159	(9,919)
Contribution to Government of Guam	58,458	60,809	2,350
Total Retiree Benefits	<u>320,537</u>	<u>312,968</u>	<u>(7,568)</u>
Total Operating Expenses	<u>9,617,174</u>	<u>8,978,172</u>	<u>(639,002)</u>
Earnings (Loss) from Operations	<u>1,156,062</u>	<u>1,850,497</u>	<u>(694,435)</u>
Interest Income - Bond Funds	937,122	647,004	290,118
Interest Income - Other Funds	534,708	22,917	511,791
Interest Income - SDC	4,364	873	3,491
Interest Expense - Bonds	(1,015,952)	(2,356,839)	1,340,887
Loss on Asset Disposal	(29,265)	(56,499)	27,234
Amortization of Discount, Premium and Issuance Costs	(1,717,138)	124,228	(1,841,366)
Defeasance due to bond refunding	(168,795)	(170,449)	1,654
Prior Year Adjustment	(119,011)	(7,229)	(111,781)
Total non-operating revenues (expenses)	<u>(1,573,968)</u>	<u>(1,795,994)</u>	<u>222,026</u>
Net Income (Loss) before capital contributions	<u>(417,907)</u>	<u>54,503</u>	<u>(472,409)</u>
Capital Contributions			
Grants from US Government	133,943	1,686,437	(1,552,494)
Grants from GovGuam & Others	-	8,937	(8,937)
Total Capital Contributions	<u>133,943</u>	<u>1,695,374</u>	<u>(1,561,431)</u>
Change in Net Assets	<u>(283,964)</u>	<u>1,749,877</u>	<u>(2,033,841)</u>
Debt Service Calculation			
Earnings From Operations	1,156,062	1,850,497	
System Development Charge	(60,911)	(102,000)	
Retiree COLA	58,458	60,809	
Interest/Investment Income	534,708	22,917	
Depreciation	2,375,266	2,401,423	
Rate Stabilization Fund	-	79,167	
Balance Available for Debt Service per Section 6.12	<u>4,063,583</u>	<u>4,312,812</u>	
Debt Service			
Principal	896,667	896,667	
Interest	2,356,839	2,356,839	
Total	<u>3,253,505</u>	<u>3,253,505</u>	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	<u>1.25</u>	<u>1.33</u>	
Debt Service Coverage (1.30X) (PUC)	<u>1.25</u>	<u>1.33</u>	

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

SCHEDULE C

	Month to Date		Variance Increase / (Decrease)
	Actual (Unaudited) July-24	Actual (Audited) July-23	
OPERATING REVENUES			
Water Revenues	6,551,702	5,742,080	809,621
Wastewater Revenues	3,687,690	2,955,941	731,748
Legislative Surcharge	334,892	261,881	73,011
Other Revenues	138,042	34,766	103,276
System Development Charge	60,911	48,840	12,071
Total Operating Revenues	10,773,236	9,043,509	1,729,727
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,550,546	571,916	978,630
Power Purchases	1,913,064	1,843,717	69,348
Total Utility Costs	3,463,610	2,415,632	1,047,978
Salaries and Wages	1,915,547	1,529,849	385,698
Pension and Benefits	763,597	609,533	154,064
Total Salaries and Benefits	2,679,144	2,139,381	539,763
Capitalized Labor and Benefits	(200,210)	(188,326)	(11,884)
Net Salaries and Benefits	2,478,935	1,951,056	527,879
Administrative and General Expenses			
Sludge removal	84,817	79,091	5,726
Chemicals	105,035	101,917	3,118
Materials & Supplies	90,236	76,361	13,875
Transportation	34,894	35,513	(619)
Communications	26,400	10,771	15,628
Claims	-	914	(914)
Insurance	154,434	147,927	6,507
Training & Travel	28,180	3,700	24,480
Advertising	4,052	5,547	(1,495)
Miscellaneous	131,154	94,617	36,537
Regulatory Expense	39,751	8,667	31,084
Bad Debts Provision	(0)	179,198	(179,199)
Total Administrative and General Expense	698,951	744,222	(45,271)
Depreciation Expense	2,375,266	2,403,160	(27,894)
Contractual Expense			
Audit & Computer Maintenance	53,043	124,475	(71,432)
Building rental	48,905	48,377	529
Equipment rental	39,168	122,841	(83,673)
Legal	45,263	1,248	44,015
Laboratory	4,832	9,288	(4,456)
Other	88,664	179,293	(90,630)
Total Contractual Expense	279,875	485,522	(205,646)
Retiree Supp. Annuities and health care costs	262,078	223,693	38,385
Contribution to Government of Guam	58,458	56,100	2,358
Total Retiree Benefits	320,537	279,793	40,744
Total Operating Expenses	9,617,174	8,279,385	1,337,789
Earnings (Loss) from Operations	1,156,062	764,124	391,937
Interest Income - Bond Funds	937,122	910,843	26,279
Interest Income - Other Funds	534,708	154,343	380,365
Interest Income - SDC	4,364	9,237	(4,873)
Interest Expense - Bonds	(1,015,952)	(2,356,839)	1,340,887
Contributions from Local Government	-	850,000	(850,000)
Loss on Asset Disposal	(29,265)	(52,257)	22,992
Amortization of Discount, Premium and Issuance Costs	(1,717,138)	124,228	(1,841,366)
Defeasance due to bond refunding	(168,795)	(170,449)	1,654
Prior Year Adjustment	(119,011)	(16,580)	(102,430)
Total non-operating revenues (expenses)	(1,573,968)	(547,475)	(1,026,493)
Net Income (Loss) before capital contributions	(417,907)	216,650	(634,556)
Capital Contributions			
Grants from US Government	133,943	26,297	107,645
Total Capital Contributions	133,943	26,297	107,645
Change in Net Assets	(283,964)	242,947	(526,911)
Debt Service Calculation			
Earnings From Operations	1,156,062	764,124	
System Development Charge	(60,911)	(48,840)	
Retiree COLA	58,458	56,100	
Interest/Investment Income	534,708	154,343	
Depreciation	2,375,266	2,403,160	
ARPA Grant	-	850,000	
Balance Available for Debt Service per Section 6.12	4,063,583	4,178,887	
Debt Service			
Principal	896,667	852,917	
Interest	2,356,839	2,400,140	
Total	3,253,505	3,253,056	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.28	
Debt Service Coverage (1.30X) (PUC)	1.25	1.28	

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

SCHEDULE D

	Year to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) July-24	Budget July-24	
OPERATING REVENUES			
Water Revenues	66,251,753	67,066,345	(814,592)
Wastewater Revenues	37,024,833	36,525,649	499,184
Legislative Surcharge	3,387,439	3,279,451	107,988
Other Revenues	503,604	395,250	108,354
System Development Charge	1,453,196	1,020,000	433,196
Total Operating Revenues	108,620,825	108,286,695	334,130
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	11,847,208	4,916,667	(6,930,541)
Power Purchases	17,986,691	18,851,306	864,615
Total Utility Costs	29,833,898	23,767,973	(6,065,926)
Salaries and Wages	16,737,067	18,255,604	1,518,537
Pension and Benefits	6,880,409	6,498,767	(381,642)
Total Salaries and Benefits	23,617,477	24,754,372	1,136,895
Capitalized Labor and Benefits	(2,470,387)	(3,465,950)	(995,563)
Net Salaries and Benefits	21,147,090	21,288,422	141,332
Administrative and General Expenses			
Sludge removal	926,890	637,073	(289,817)
Chemicals	1,330,223	1,599,443	269,220
Materials & Supplies	1,056,398	2,057,140	1,000,742
Transportation	419,036	645,953	226,917
Communications	106,771	132,676	25,905
Claims	48,745	149,167	100,422
Insurance	1,505,167	1,613,333	108,167
Training & Travel	192,567	191,554	(1,013)
Advertising	22,861	109,153	86,292
Miscellaneous	1,288,845	1,136,256	(152,589)
Regulatory Expense	213,244	182,500	(30,744)
Bad Debts Provision	243,997	1,885,197	1,641,200
Total Administrative and General Expense	7,354,744	10,339,443	2,984,699
Depreciation Expense	23,779,315	24,014,230	234,915
Contractual Expense			
Audit & Computer Maintenance	1,439,189	1,969,754	530,565
Building rental	487,939	502,637	14,699
Equipment rental	289,551	460,540	170,989
Legal	356,325	914,263	557,938
Laboratory	649,825	471,208	(178,617)
Other	1,067,816	1,870,460	802,644
Total Contractual Expense	4,290,645	6,188,862	1,898,217
Retiree Supp. Annuities and health care costs	2,679,126	2,521,593	(157,533)
Contribution to Government of Guam	584,583	608,088	23,505
Total Retiree Benefits	3,263,710	3,129,681	(134,029)
Total Operating Expenses	89,669,401	88,728,610	(940,791)
Earnings (Loss) from Operations	18,951,423	19,558,085	(606,661)
Interest Income - Bond Funds	9,032,642	6,470,041	2,562,601
Interest Income - Other Funds	2,335,406	229,167	2,106,239
Interest Income - SDC	165,535	8,730	156,805
Interest Expense - Bonds	(22,227,501)	(23,568,388)	1,340,887
Loss on Asset Disposal	(381,230)	(564,989)	183,759
Amortization of Discount, Premium and Issuance Costs	(309,997)	1,242,281	(1,552,278)
Defeasance due to bond refunding	(1,687,954)	(1,704,493)	16,539
Prior Year Adjustment	(157,936)	(72,291)	(85,645)
Total non-operating revenues (expenses)	(13,231,036)	(17,959,942)	4,728,907
Net Income (Loss) before capital contributions	5,720,387	1,598,142	4,122,245
Capital Contributions			
Grants from US Government	1,957,620	16,864,366	(14,906,746)
Grants from GovGuam & Others	143,029	89,371	53,658
Total Capital Contributions	2,100,649	16,953,737	(14,853,088)
Change in Net Assets	7,821,037	18,551,880	(10,730,843)
Debt Service Calculation			
Earnings From Operations	18,951,423	19,558,085	
System Development Charge	(1,453,196)	(1,020,000)	
Retiree COLA	584,583	608,088	
Interest/Investment Income	2,335,406	229,167	
Depreciation	23,779,315	24,014,230	
Rate Stabilization Fund	-	791,667	
Balance Available for Debt Service per Section 6.12	44,197,531	44,181,236	
Debt Service			
Principal	8,966,667	8,966,667	
Interest	23,568,388	23,568,388	
Total	32,535,054	32,535,054	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.36	1.36	
Debt Service Coverage (1.30X) (PUC)	1.36	1.36	

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

SCHEDULE E

	Year to Date		Variance Increase / (Decrease)
	Actual (Unaudited) July-24	Actual (Audited) July-23	
OPERATING REVENUES			
Water Revenues	66,251,753	55,893,271	10,358,482
Wastewater Revenues	37,024,833	30,497,815	6,527,018
Legislative Surcharge	3,387,439	2,593,002	794,437
Other Revenues	503,604	439,716	63,887
System Development Charge	1,453,196	1,170,389	282,807
Total Operating Revenues	108,620,825	90,594,193	18,026,632
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	11,847,208	5,848,665	5,998,543
Power Purchases	17,986,691	20,822,747	(2,836,057)
Total Utility Costs	29,833,898	26,671,412	3,162,486
Salaries and Wages	16,737,067	16,692,038	45,030
Pension and Benefits	6,880,409	6,270,305	610,104
Total Salaries and Benefits	23,617,477	22,962,343	655,134
Capitalized Labor and Benefits	(2,470,387)	(2,295,547)	(174,841)
Net Salaries and Benefits	21,147,090	20,666,796	480,293
Administrative and General Expenses			
Sludge removal	926,890	532,733	394,157
Chemicals	1,330,223	1,294,425	35,798
Materials & Supplies	1,056,398	1,468,423	(412,024)
Transportation	419,036	465,779	(46,744)
Communications	106,771	95,899	10,872
Claims	48,745	33,636	15,109
Insurance	1,505,167	1,479,268	25,898
Training & Travel	192,567	86,270	106,296
Advertising	22,861	65,948	(43,087)
Miscellaneous	1,288,845	1,030,895	257,950
Regulatory Expense	213,244	147,187	66,057
Bad Debts Provision	243,997	1,779,682	(1,535,685)
Total Administrative and General Expense	7,354,744	8,480,146	(1,125,402)
Depreciation Expense	23,779,315	23,912,664	(133,349)
Contractual Expense			
Audit & Computer Maintenance	1,439,189	1,590,591	(151,403)
Building rental	487,939	478,121	9,817
Equipment rental	289,551	550,647	(261,097)
Legal	356,325	492,557	(136,231)
Laboratory	649,825	209,936	439,889
Other	1,067,816	1,314,403	(246,587)
Total Contractual Expense	4,290,645	4,636,256	(345,612)
Retiree Supp. Annuities and health care costs	2,679,126	2,392,591	286,535
Contribution to Government of Guam	584,583	561,000	23,583
Total Retiree Benefits	3,263,710	2,953,591	310,119
Total Operating Expenses	89,669,401	87,320,866	2,348,535
Earnings (Loss) from Operations	18,951,423	3,273,327	15,678,096
Interest Income - Bond Funds	9,032,642	7,926,094	1,106,547
Interest Income - Other Funds	2,335,406	1,204,382	1,131,024
Interest Income - SDC	165,535	56,364	109,171
Interest Expense - Bonds	(22,227,501)	(23,958,097)	1,730,596
Contributions from Local Government	-	12,400,000	(12,400,000)
Federal Expenditures	-	(25,000)	25,000
Loss on Asset Disposal	(381,230)	(336,469)	(44,761)
Amortization of Discount, Premium and Issuance Costs	(309,997)	1,242,281	(1,552,278)
Defeasance due to bond refunding	(1,687,954)	(1,704,493)	16,539
Prior Year Adjustment	(157,936)	(165,126)	7,189
Total non-operating revenues (expenses)	(13,231,036)	(3,360,063)	(9,870,973)
Net Income (Loss) before capital contributions	5,720,387	(86,736)	5,807,123
Capital Contributions			
Grants from US Government	1,957,620	10,806,600	(8,848,981)
Grants from GovGuam & Others	143,029	60,749	82,281
Total Capital Contributions	2,100,649	10,867,349	(8,766,700)
Change in Net Assets	7,821,037	10,780,613	(2,959,576)
Debt Service Calculation			
Earnings From Operations	18,951,423	3,273,327	
System Development Charge	(1,453,196)	(1,170,389)	
Retiree COLA	584,583	561,000	
Interest/Investment Income	2,335,406	1,204,382	
Depreciation	23,779,315	23,912,664	
Rate Stabilization Fund	-	2,550,000	
ARPA Grant	-	12,400,000	
Balance Available for Debt Service per Section 6.12	44,197,531	42,730,984	
Debt Service			
Principal	8,966,667	8,529,167	
Interest	23,568,388	24,001,398	
Total	32,535,054	32,530,565	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.36	1.31	
Debt Service Coverage (1.30X) (PUC)	1.36	1.31	

Guam Waterworks Authority Statement of Cash Flows FY2024	SCHEDULE F		
	Unaudited	Audited	
	YTD Jul-24	YTD Sep-23	Increase (Decrease)
Cash flows from operating activities:			
Cash received from trade and others	102,908,872	120,965,897	(18,057,025)
Cash payments to suppliers/contractors for goods and services	(41,076,180)	(46,755,481)	5,679,301
Cash payments to employees for services	(23,670,582)	(27,081,802)	3,411,220
Cash payments for retiree healthcare costs and other benefits	(3,263,710)	(3,560,495)	296,785
Net cash provided by operating activities	34,898,401	43,568,119	(8,669,718)
Cash flows from noncapital financing activities:			
Receipts from the Local Government operating grant	-	14,460,048	(14,460,048)
	-	14,460,048	(14,460,048)
Cash flows from capital and related financing activities:			
Contributed capital received (grants)	3,432,532	10,208,987	(6,776,455)
Acquisition of utility plant	(16,418,518)	(41,331,452)	24,912,934
Repayment of Long Term Debt	(10,096,076)	(10,235,000)	138,924
Interest expense	(29,169,793)	(28,801,678)	(368,115)
Legal proceeds	-	950,000	(950,000)
Net cash provided by (used in) capital and related financing activities	(52,251,855)	(69,209,143)	16,957,288
Cash flows from investing activities:			
Transfers from (to) restricted fund	1,794,825	11,077,261	(9,282,436)
Interest income received	11,533,582	11,604,779	(71,197)
Net cash provided by investing activities	13,328,407	22,682,040	(9,353,633)
Net increase (decrease) in cash	(4,025,046)	11,501,064	(15,526,110)
Unrestricted cash at beginning of the period	50,324,888	38,823,824	11,501,063
Unrestricted cash at end of period	46,299,842	50,324,888	(4,025,047)
Reconciliation of operating loss to net cash provided by operating activities:			
Operating Income (loss)	18,951,423	1,872,603	17,078,820
Adjustments to reconcile to net cash provided by operating activities:			
Depreciation expense	23,779,315	30,911,997	(7,132,682)
Bad debts (recovery)	243,997	421,467	(177,470)
Capitalized labor and benefits	(2,470,387)	(3,075,928)	605,541
Recovery of provision for inventory obsolescence	-	-	-
Non-cash pension and OPEB costs	-	1,335,785	(1,335,785)
Other Non-cash adjustments	-	(323,071)	323,071
(Increase) decrease in assets:			
Accounts receivable	(5,757,044)	4,519,295	(10,276,339)
Materials and supplies inventory	251,574	(623,993)	875,567
Prepaid expenses	(1,758,940)	526,069	(2,285,009)
Regulatory Assets	-	(377,969)	377,969
Increase (decrease) in liabilities:			
Accounts payable	774,956	(45,808)	820,764
Accrued payroll and employee benefits	(53,105)	136,972	(190,077)
Customer deposits	45,092	(6,345)	51,437
Other liabilities	891,521	8,297,045	(7,405,524)
Net cash provided by operating activities	34,898,401	43,568,119	(8,669,717)

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2024

SCHEDULE G

Description	Unaudited July 31, 2024	Audited September 30, 2023	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	3,930	3,930	-
BOG Deposit Accounts	20,145,153	26,112,801	(5,967,648)
BOG O & M Reserve	15,088,402	14,477,230	611,172
BOG CapEx Fund	10,110,357	8,778,927	1,331,430
BOG Rate Stabilization Fund	950,000	950,000	-
Sub-total Unrestricted	46,299,842	50,324,888	(4,025,046)
RESTRICTED			
Bank Pacific	10,908	6,345	4,563
Bank of Hawaii	115,476	167,390	(51,914)
Community First FCU	2,775	2,538	237
First Hawaiian Bank	141,936	82,921	59,015
Bank Pacific Surcharge	789,639	6,863	782,775
Bank Pacific Escrow Deposit	958,784	958,711	73
BOG Customer Refunds	2,312,562	2,157,517	155,045
BOG Sewer Hookup Revolving Fund	2,167,725	2,079,769	87,955
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	510,739	(137,922)	648,661
BOG Revenue Trust Fund	9,444,930	10,471,820	(1,026,890)
BOG Capital Improvement Revenue Fund	12,351,786	8,452,503	3,899,283
	31,890,741	27,331,937	4,558,804
BOG - SDC Deposit	756,055	1,125,796	(369,740)
BOG - SDC CDs	6,250,000	4,250,000	2,000,000
Total SDC	7,006,055	5,375,796	1,630,260
Total Restricted	38,896,796	32,707,733	6,189,063
Reserve Funds			
BOG Series 2013 Construction Fund	3,253,563	3,459,448	(205,885)
BOG Series 2016 Construction Fund	22,934,434	27,091,177	(4,156,743)
BOG Series 2017 Refunding Construction Fund	3,670,429	3,648,718	21,711
BOG Series 2020A Construction Fund	111,023,495	111,457,380	(433,885)
BOG CIF-Construction Fund Transfers	4,908,905	4,710,065	198,840
BOG Series 2024AB COI Funds	49,894	-	49,894
Total Restricted - Held by Trustee	145,840,720	150,366,788	(4,526,068)
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	1,470,467	10,100,975	(8,630,508)
USB Series 2016 Debt Service Fund	456,997	2,061,782	(1,604,785)
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	499,768	2,015,191	(1,515,423)
USB Series 2020A Debt Service Fund	724,604	1,753,543	(1,028,940)
USB Series 2020A Debt Service Reserve Fund	-	6,659,700	(6,659,700)
USB Series 2020B Debt Service Reserve Fund	477,285	1,540,498	(1,063,213)
USB Series 2024A Debt Service Fund	1,192,762	-	1,192,762
USB Series 2024A Debt Service Fund	556,573	-	556,573
USB Series 2024A Debt Service Reserve Fund	41,843,038	-	41,843,038
Total Investments	66,781,845	70,239,665	(3,457,820)
Total Restricted and Unrestricted Cash	297,819,202	303,639,073	(5,819,871)

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

SCHEDULE H

A G I N G							
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total
Autonomous Agencies (Active)							
Guam Int'l Airport Authority	8	\$ 103	\$ 139	\$ 131	\$ 104	\$ 262,155	\$ 262,631
Port Authority of Guam	6	54,522	-	-	-	-	54,522
Guam Power Authority	25	40,898	-	-	-	-	40,898
Guam Housing & Urban Renewal Authority	10	6,592	-	-	-	-	6,592
Guam Solid Waste Authority	4	1,142	893	73	4	-	2,111
Guam Housing Corporation	1	58	-	-	-	-	58
Total Autonomous Agencies	54	\$ 103,314	\$ 1,032	\$ 203	\$ 108	\$ 262,155	\$ 366,812
Semi-Autonomous Agencies (Active)							
Guam Memorial Hospital Authority	3	\$ 45,242	\$ 47,356	\$ 45,792	\$ 45,922	\$ 146,004	\$ 330,316
University of Guam	48	109,593	14,898	-	-	-	124,492
Guam Environmental Protection Agency	2	1	-	-	-	-	1
Total Semi-Autonomous Agencies	53	\$ 154,836	\$ 62,254	\$ 45,792	\$ 45,922	\$ 146,004	\$ 454,808
Line Agencies (Active)							
Department of Education	51	\$ 357,236	\$ 280,397	\$ 49,653	\$ 5,662	\$ 15,763	\$ 708,711
Department of Corrections	9	127,395	129,539	141,805	93,119	231	492,090
Department of Parks & Recreation	13	77,917	68,657	48,511	18,334	163	213,583
Department of Public Works	10	19,525	19,659	1,331	-	-	40,515
Department of Public Health & Social Services	9	3,211	3,316	1,946	2,003	4,451	14,926
Guam Fire Department	11	8,093	334	316	-	-	8,744
Department of Military Affairs/GUARNG	1	3,603	1,591	-	-	-	5,194
Department of Agriculture	7	2,027	2,666	120	49	-	4,862
Guam Police Department	9	4,765	44	34	-	-	4,843
Guam Homeland Security/Civil Defense	1	1,302	1,280	919	1,079	-	4,579
Office of the Governor	2	1,370	1,437	0	-	-	2,807
Department of Mental Health	4	2,320	-	-	-	-	2,320
Guam Veterans Affairs Office	2	916	770	439	-	-	2,125
Guam Public Library	6	1,555	65	13	-	-	1,634
Department of Administration	4	1,342	140	65	27	-	1,574
Guam Visitors Bureau	2	701	765	-	-	-	1,466
Department of Customs & Quarantine	1	528	528	-	-	-	1,056
Guam Energy Office	1	208	-	-	-	-	208
Total Line Agencies	143	\$ 614,014	\$ 511,190	\$ 245,151	\$ 120,273	\$ 20,608	\$ 1,511,237
Other Government of Guam Entities (Active)							
Mayors Council of Guam	63	\$ 19,470	\$ 1,633	\$ 237	\$ -	\$ -	\$ 21,339
Superior Court of Guam	2	1,199	-	-	-	-	1,199
The Office of the Dededo Mayor	1	627	-	-	-	-	627
Umatac Mayors Office	1	530	-	-	-	-	530
Judiciary of Guam	4	437	-	-	-	-	437
Merizo Mayor	1	54	-	-	-	-	54
Total Other Government of Guam Entities	72	\$ 22,317	\$ 1,633	\$ 237	\$ -	\$ -	\$ 24,187
Total as of July 31, 2024 (Active)	322	\$ 894,481	\$ 576,109	\$ 291,384	\$ 166,304	\$ 428,766	\$ 2,357,043

GWA Work Session - August 20, 2024 - GWA GM REPORT

GUAM WATERWORKS AUTHORITY
Accounts Receivable Aging Summary by Rate Class
As of July 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	\$ 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%	
	52,150	\$ 9,795,273	\$ 3,636,513	\$ 1,039,512	\$ 3,776,222	\$ 8,365,679	\$ 26,613,199	100%	
		37%	14%	4%	14%	31%			
Less Allowance for Doubtful Accounts: <u>(9,677,684)</u>									
Net Accounts Receivable: 16,935,516									
Days Receivables Outstanding 41									

As of June 30, 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	446	\$ 1,346,870	\$ 1,848,468	\$ 3,263,956	\$ 68,857	\$ 1,282,204	\$ 7,810,354	28%	
Agriculture	402	39,575	7,984	2,197	2,061	38,719	90,536	0%	
Commercial I	2,701	1,497,091	186,499	117,010	44,648	542,713	2,387,961	9%	
Commercial II	55	420,238	13,825	9,815	60,843	-	504,721	2%	
Commercial III	292	657,374	160,182	42,489	60,645	344,786	1,265,475	5%	
Golf Course	15	13,997	206	74	129	5,873	20,279	0%	
Hotel	53	2,536,270	97,280	37,430	15,194	58,287	2,744,462	10%	
Irrigation	30	3,365	622	401	40	1,306	5,734	0%	
Residential	48,015	5,068,705	997,790	454,190	435,578	5,745,646	12,701,909	46%	
	52,009	\$11,583,484	\$ 3,312,856	\$ 3,927,563	\$ 687,996	\$ 8,019,533	\$ 27,531,431	100%	
		42%	12%	14%	2%	29%			
Less Allowance for Doubtful Accounts: <u>(9,582,684)</u>									
Net Accounts Receivable: 17,948,748									
Days Receivables Outstanding 42									

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	\$ 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%	
	44,014	\$ 9,728,060	\$ 3,570,454	\$ 955,978	\$ 3,691,024	\$ 3,158,204	\$ 21,103,720	100%	
		46%	17%	5%	17%	15%			
Less Allowance for Doubtful Accounts: <u>(9,677,684)</u>									
Net Accounts Receivable: 11,426,037									

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	443	\$ 585,042	\$ 1,848,468	\$ 3,263,956	\$ 68,857	\$ 641,682	\$ 6,408,005	30%	
Agriculture	380	39,534	7,965	2,111	1,895	3,945	55,450	0%	
Commercial I	2,559	1,496,490	182,938	108,757	40,727	285,120	2,114,032	10%	
Commercial II	37	420,238	13,825	9,815	60,843	-	504,721	2%	
Commercial III	274	656,923	160,150	42,458	56,871	302,000	1,218,402	6%	
Golf Course	12	13,997	-	-	-	-	13,997	0%	
Hotel	53	2,536,270	97,280	37,430	15,194	58,287	2,744,462	13%	
Irrigation	29	3,365	622	401	40	11	4,439	0%	
Residential	40,216	5,012,607	931,670	378,815	384,031	1,593,688	8,300,811	39%	
	44,003	\$10,764,466	\$ 3,242,917	\$ 3,843,743	\$ 628,458	\$ 2,884,732	\$ 21,364,318	100%	
		50%	15%	18%	3%	14%			
Less Allowance for Doubtful Accounts: <u>(9,582,684)</u>									
Net Accounts Receivable: 11,781,634									

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			
July 31, 2024	\$ 4,009,803 79%	\$ 134,790 3%	\$ 264,694 5%	\$ 256,064 5%	\$ 439,287 9%	\$ 5,104,638 100%	35	
June 30, 2024	\$ 3,660,813 85%	\$ 50,995 1%	\$ 62,384 1%	\$ 13,419 0%	\$ 496,585 12%	\$ 4,284,196 100%	32	
May 31, 2024	\$ 3,522,925 82%	\$ 217,950 5%	\$ 16,043 0%	\$ 43,084 1%	\$ 487,838 11%	\$ 4,287,840 100%	33	

GUAM WATERWORKS AUTHORITY
 WATER DEMAND BY RATE CLASS
 FY2015 - FY2024

SCHEDULE K

CLASS	AUDITED										% 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)	Annualized Based on 10 months FY2024 TOTAL CONSUMPTION (kGal)	
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	3,104,431	-3%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	818,460	816,393	831,158	2%
F Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,389	1,099	1,373	25%
G Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	470,581	445,116	487,008	9%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	462,757	554,767	628,842	13%
G Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	3,796	6,415	844	-87%
A Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	65,719	49,748	63,996	29%
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>3,579</u>	10%
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>5,121,232</u>	1%

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

SCHEDULE L

Funding Summary

Total available project funds	\$ 19,149,944
Total project expenditures and encumbrances	12,445,814
Total unobligated project funds	\$ 6,704,130

Projects Funded

Project Description	Expenditures	Outstanding Encumbrances	Expenditures and Encumbrances
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
Talofofo Sewer Improvement	-	241,142	241,142
Groundwater Well Production Meter Rep.	143,647	7,560	151,207
	\$ 12,185,510	\$ 260,303	\$ 12,445,814

Future planned projects

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

GWA Work Session - August 20, 2024 - GWA GM REPORT

Guam Waterworks Authority		Date: 7/30/2024	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	67	OVERALL AVERAGE	96%
TOTAL PUMPS OPERATIONAL	64	% OF OPERATING PUMPS	96%
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						
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	Chin. 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						
TOTAL = 14			33	31	94%								
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.	1392067				
4	Santa Rita Spring	40	2	2	100%	OP	A						
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						
Total=7			15	14	93%								
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	Maloloj 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	Maloloj Elevated	15	3	3	100%	OP	A						
8	Ija	7.5	2	2	100%	N/A	N/A						
Total=8			19	19	100%								
pump availability =no of operational pumps/no of pumps*100%													



Guam Waterworks Authority
VEHICLE FLEET STATUS
7/30/2024

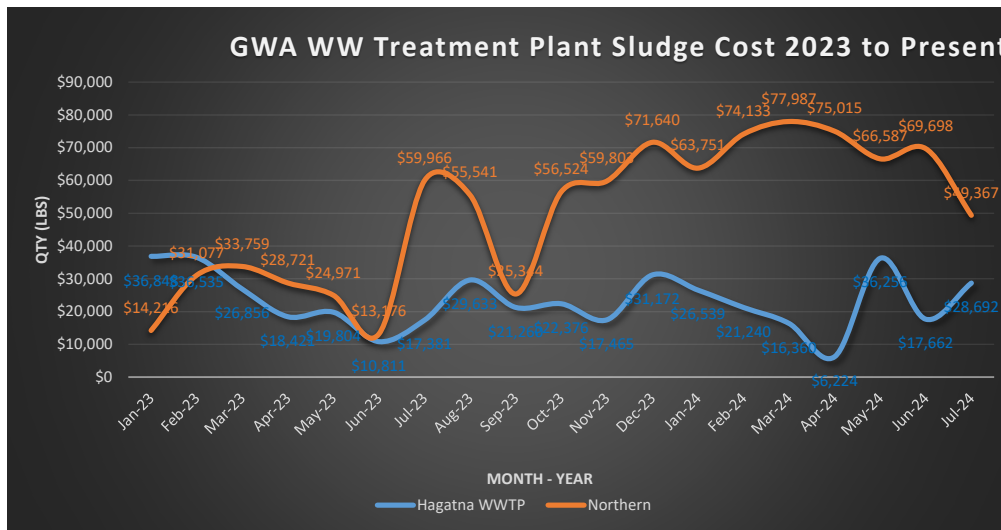
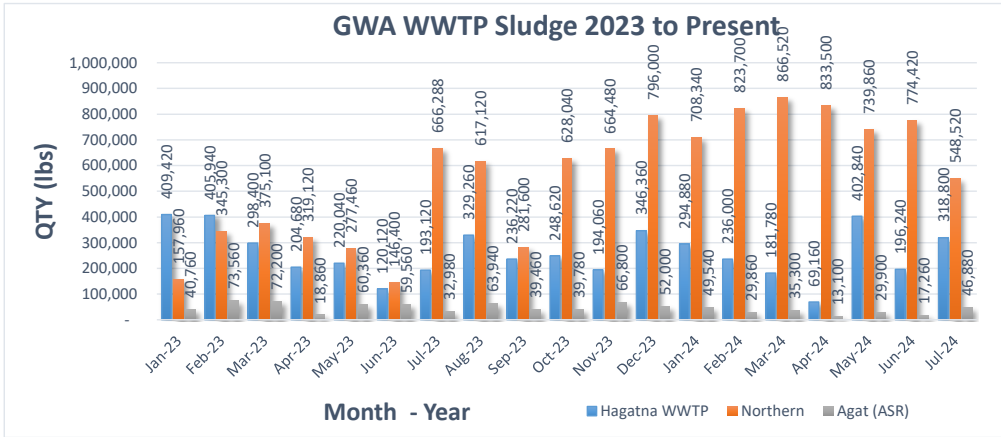
EQUIPMENT STATUS					SUMMARY						
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage	Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor 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	9	4	69%	8	1	0	0	0	3	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	137	113	24	82%	109	4	2	13	3	5	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	2	1	67%	2	0	0	0	1	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	11	6	65%	11	0	0	2	3	1	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	215	165	50		156	9	2	23	11	11	3

GWA Work Session - August 20, 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
Grand Total	3,206,240	\$288,562	5,274,868	\$474,738	620,260	\$55,823	9,101,368	\$819,123

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		\$0		\$0		\$0	-	\$0
Sep-24		\$0		\$0		\$0	-	\$0
Oct-24		\$0		\$0		\$0	-	\$0
Nov-24		\$0		\$0		\$0	-	\$0
Dec-24		\$0		\$0		\$0	-	\$0
Grand Total	1,699,700	\$152,973	5,294,860	\$476,537	221,840	\$19,966	7,216,400	\$649,476

Hagatna and Northern WWTP Sludge Report 2021 to present, GWA Operations kcog / df, 8/1/2024

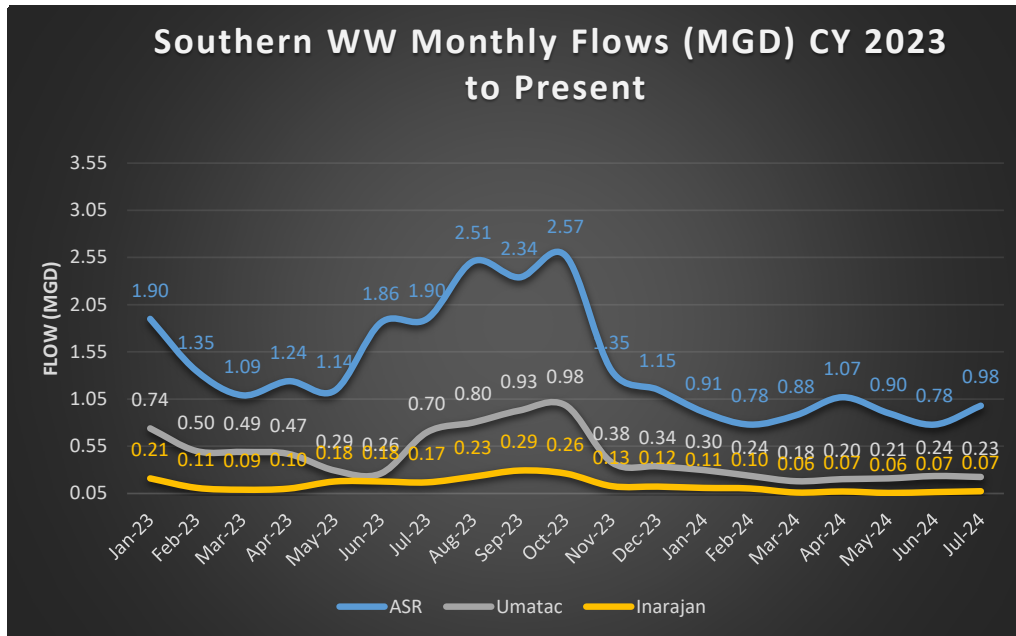
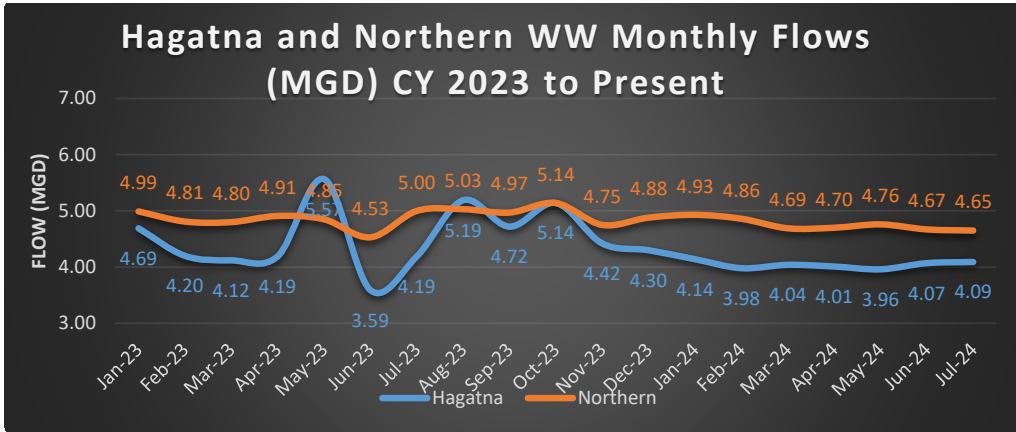


Hagatna and Northern WWTP Sludge Report 2021 to present, GWA Operations kcoj / df, 8/1/2024

Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day

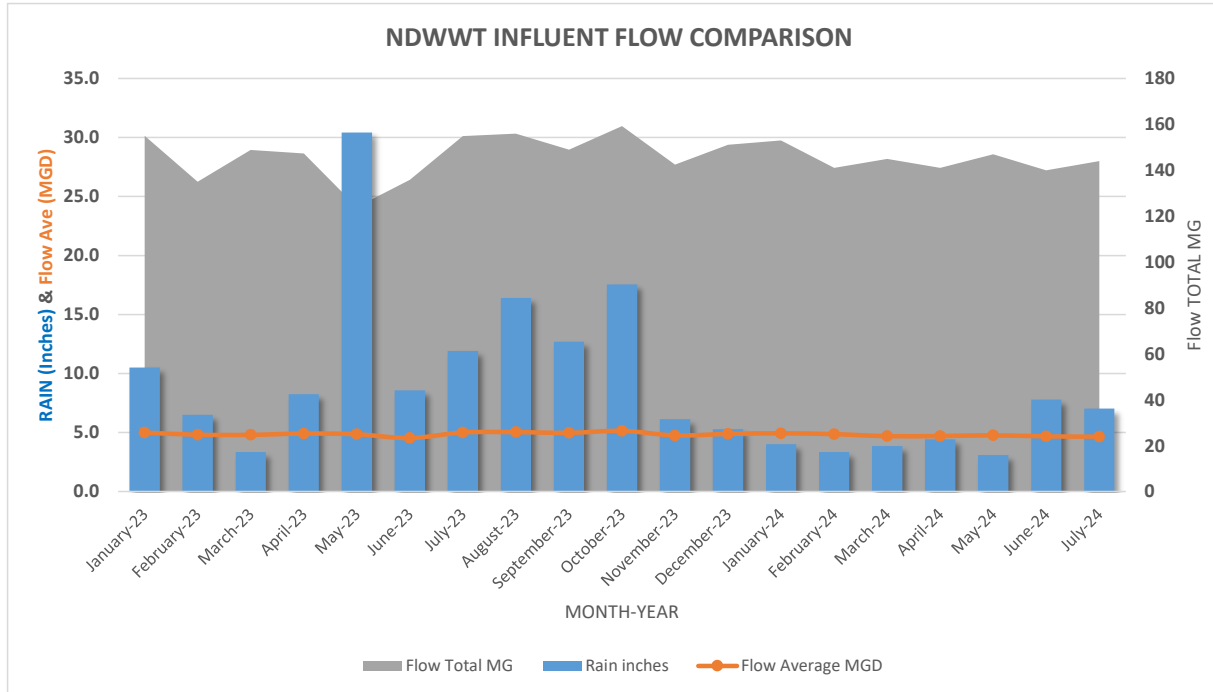
2023	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-23	4.69	4.99	1.90	0.74	0.21
Feb-23	4.20	4.81	1.35	0.50	0.11
Mar-23	4.12	4.80	1.09	0.49	0.09
Apr-23	4.19	4.91	1.24	0.47	0.10
May-23	5.57	4.85	1.14	0.29	0.18
Jun-23	3.59	4.53	1.86	0.26	0.18
Jul-23	4.19	5.00	1.90	0.70	0.17
Aug-23	5.19	5.03	2.51	0.80	0.23
Sep-23	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
2023 Average MGD	4.53	4.89	1.70	0.57	0.11
2023 Total MGY	1,654	1,785	622	210	63

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					
Sep-24					
Oct-24					
Nov-24					
Dec-24					
2024 Average MGD	4.04	4.75	0.90	0.23	0.08
2024 Total MGY	857	1,007	191	48	16



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			
September-24			
October-24			
November-24			
December-24			



GWA Work Session - August 20, 2024 - GWA GM REPORT

Guam Waterworks Authority		Date: 8/12/2024		 WASTEWATER FACILITIES REPORT									
REVIEWS				OVERALL AVERAGE									
TOTAL PUMPS INSTALLED		186		81%									
TOTAL PUMPS OPERATIONAL		152		82%									
TOTAL PUMP STATIONS		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	3	75%	GPA	A	Pump #1 repairs were completed and installed. #1 is still secured due to burnt VFD. VFD needs replacing. Pump #4 is on standby and will be used for emergencies as per plan.	WO # 1429516				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 1323701 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.			Volute OR 54968 (pending PO)
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				OR 55163 (pending PO)
14	YPAO PAO	1	3	2	67%	GPA	N/A	7/5/23 Pump #1 shorted as per electricians.	WO #1376323				P#1 ORS4701 (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				OR 55417 (pending PO)
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.					
Total	22		52	41	79%								

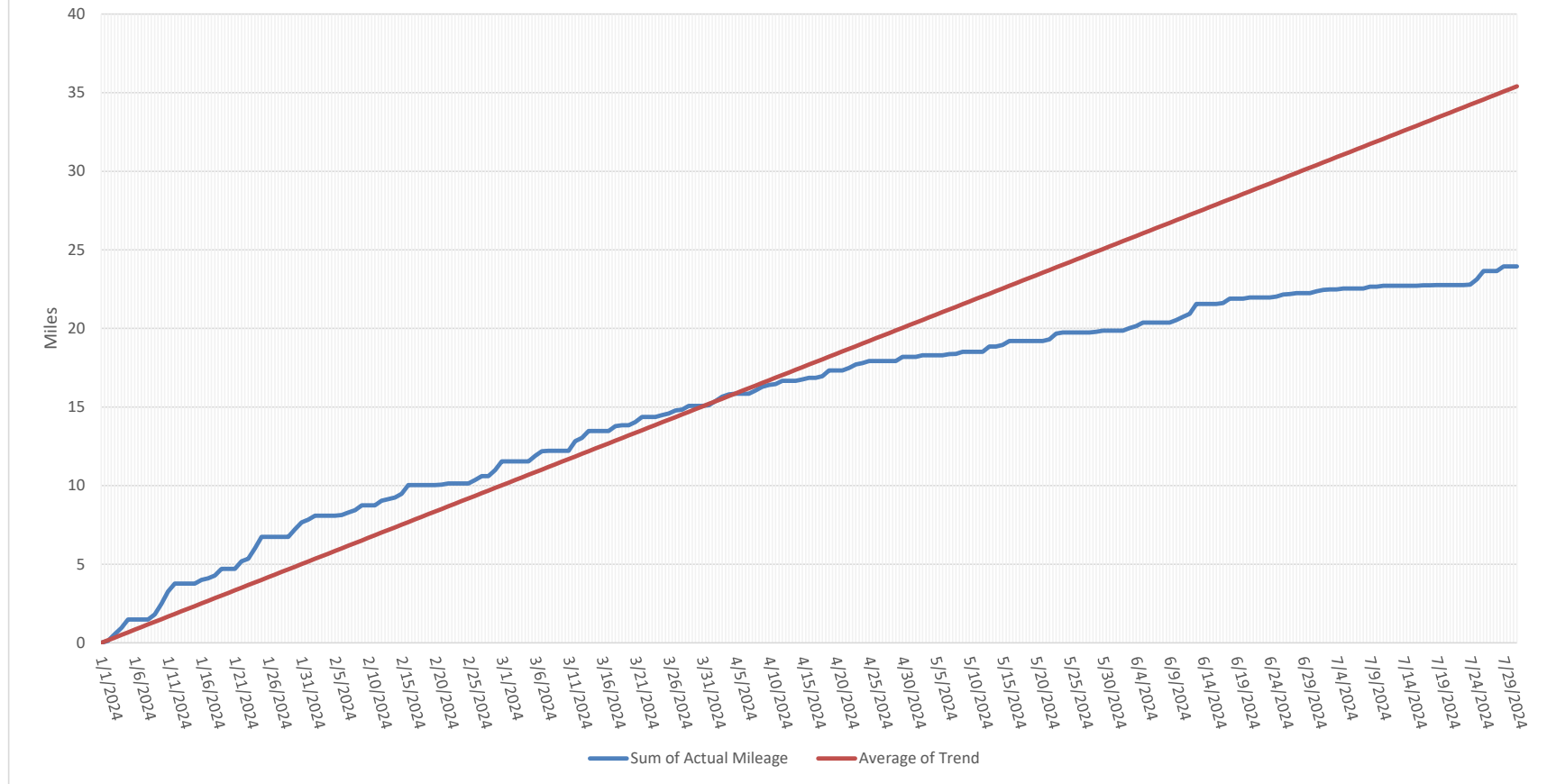
GWA Work Session - August 20, 2024 - GWA GM REPORT

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	1	50%	INOP	A	Pump #2 was removed due to motor was grounded.	WO #1427553				OR 55413 (pending PO)
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	1	50%	INOP	A	Pump #1 softstarter is defective. Using contactor to bypass Softstarter for the meantime. Pump #2 was secured due to defective softstarter. Electricians looking for contactor to install to bypass softstarter.	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				
Total	30		66	54	82%								

GWA Work Session - August 20, 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.	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 OR 10976 (pending PO) 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				OR 55320 (pending PO)		
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	1	33%	OP	AUTO	66066 installed on line #1. 66067 installed at Windward on line #1. 66068 was removed and delivered to vendor for repairs due to seal failure. 66069 was removed on 1/8/24 due to seal failure.	66068 WO#-1430545 66069 WO#-1418194				66068 PO 700344 (pending release) 66069 OR 55197 (pending PO)		
25	Windward Hills	1	3	2	67%	OP	AUTO	8/1/23, 61079 was removed and brought to maintenance due to bearing issues. Repairs were made on rebuild but during installation on 9/1, found that motor needs rewinding. 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.	61079 - WO #1335584 61106 - WO # 1461495 61107 - WO #1398233	PO 501369 for valves (pending approval)			61079 PO 700332 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. 7028 was removed due to grounded motor and delivered to vendor for repairs 8/31. 7029 was removed due to grounded motor. 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 7028 - WO #1374946 7029 - WO #1463215 7030 - WO #1374300				7027 - OR 10979 (pending PO) 7028 - PO 502613 OR 10978 (pending PO) 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								
32			68	57	84%										

As of July 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%
Grand Total	23.95	35.77	66.9%

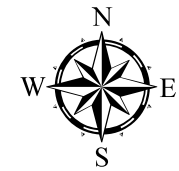
→6,207 ft / 5 days = 1,241.4 ft required to be completed daily








Court Order Unit
Work for July 2024



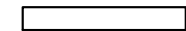
Location Map



Legend

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

Scale
500



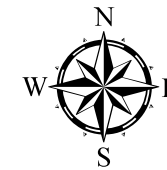
1 inch = 500 feet








Court Order Unit Work for July 2024



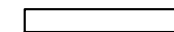
Location Map



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Scale
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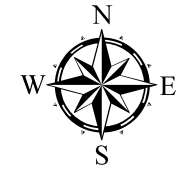
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Court Order Unit
Work for July 2024



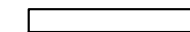
Location Map



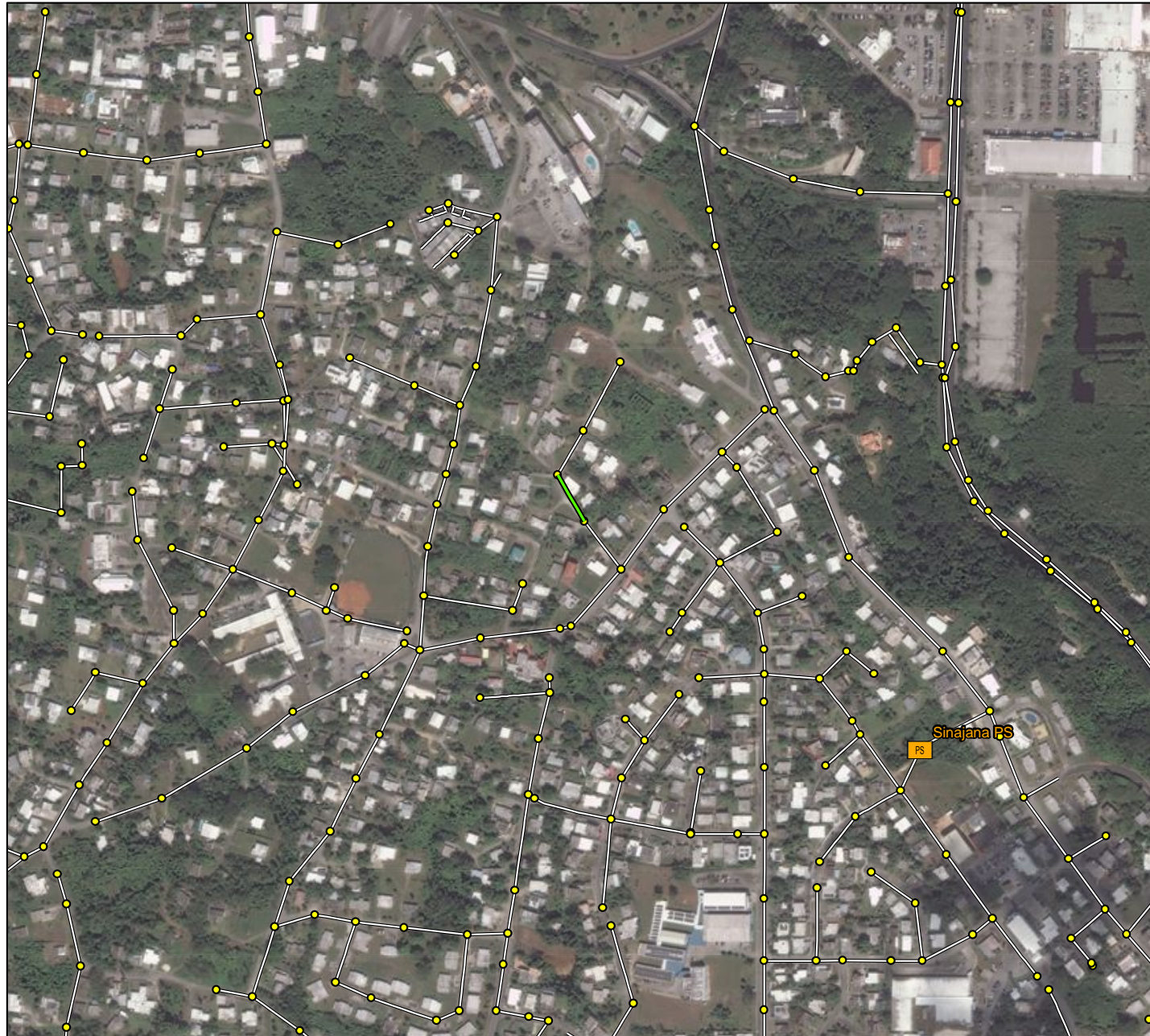
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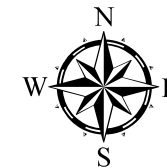
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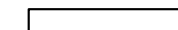
Location Map



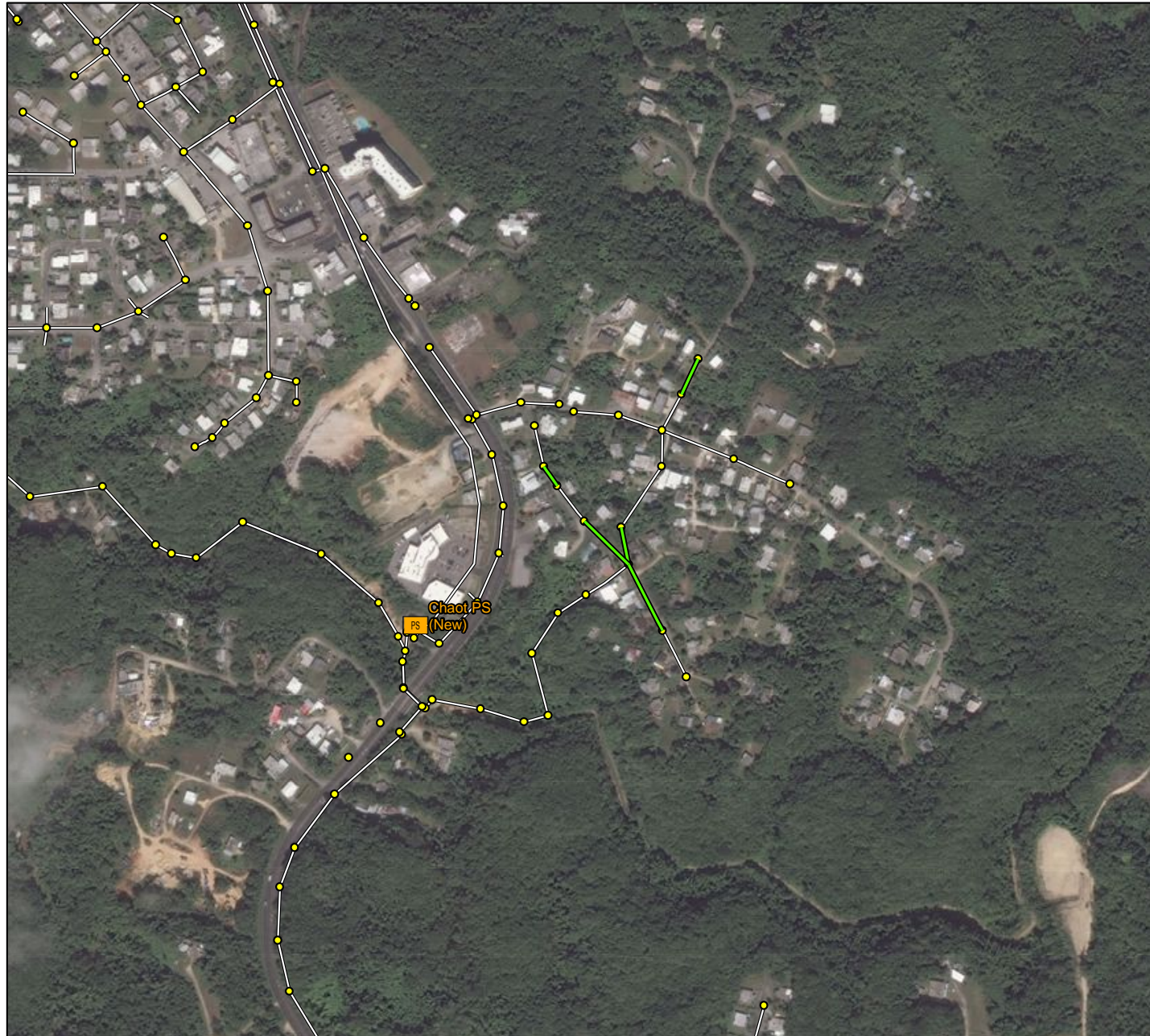
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Scale
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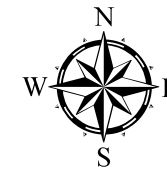
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


Court Order Unit
Work for July 2024



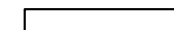
Location Map



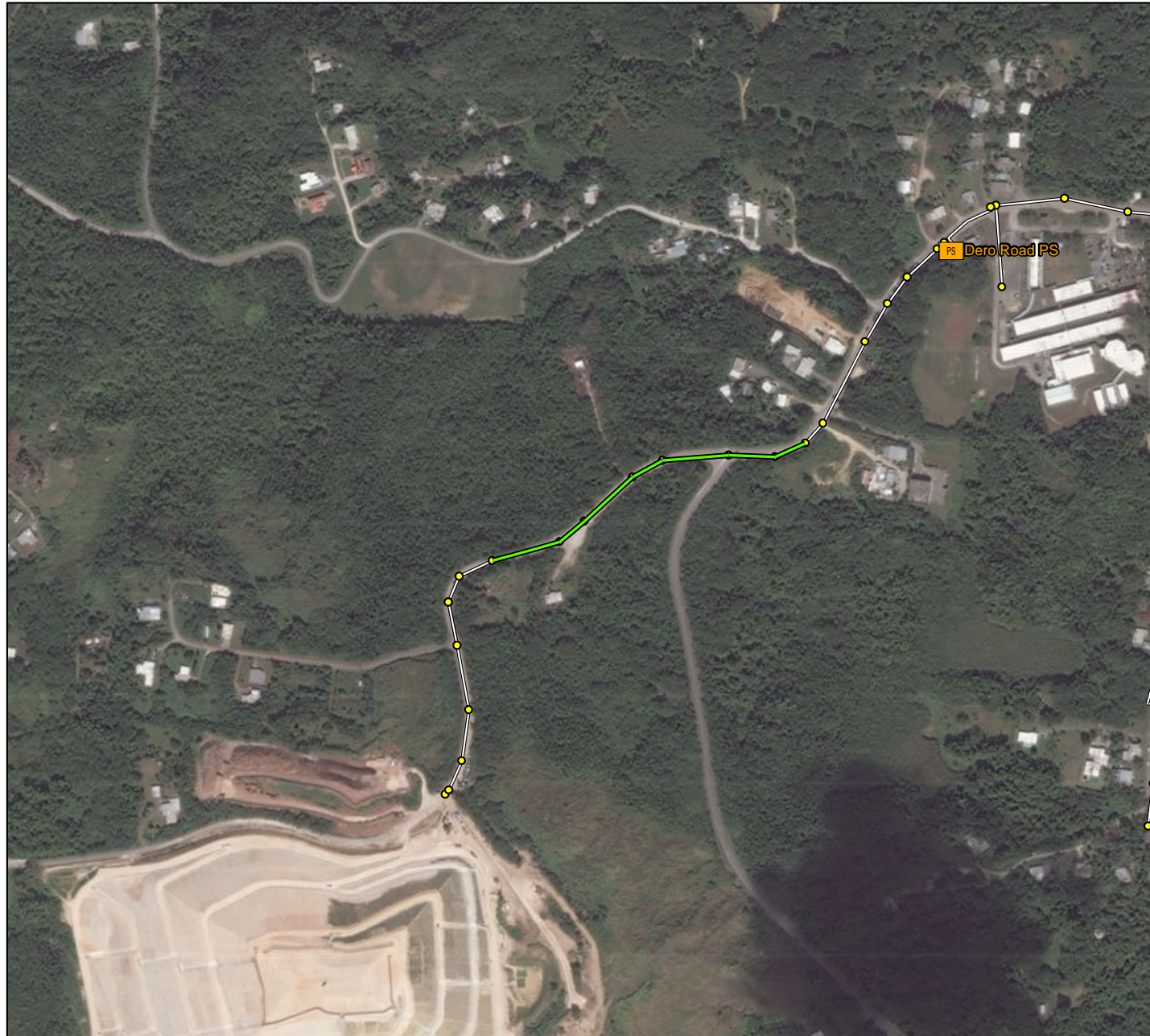
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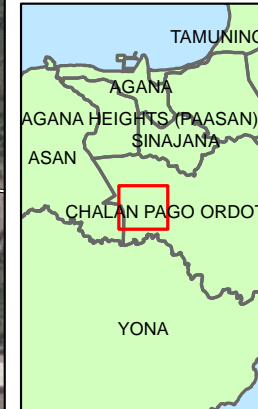
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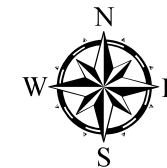
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


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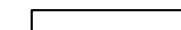
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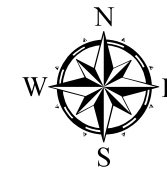
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Court Order Unit Work for July 2024



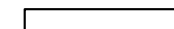
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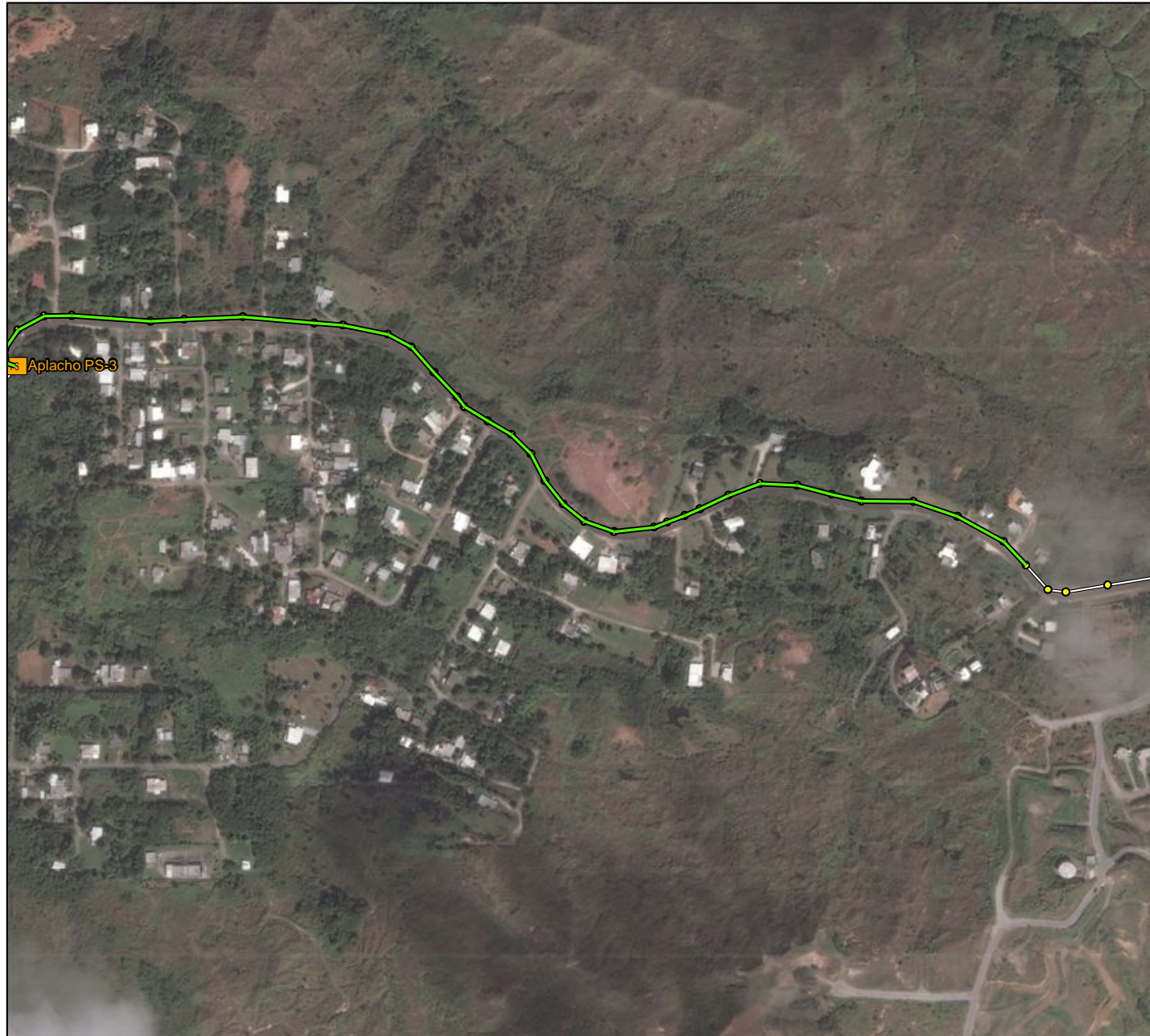
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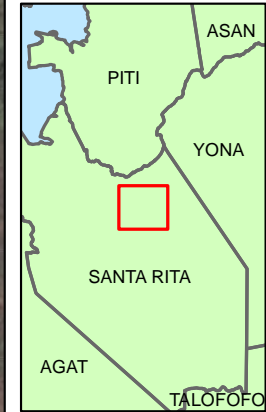
Scale
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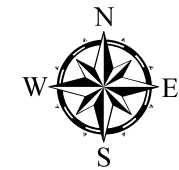
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Court Order Unit
Work for July 2024



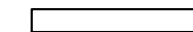
Location Map



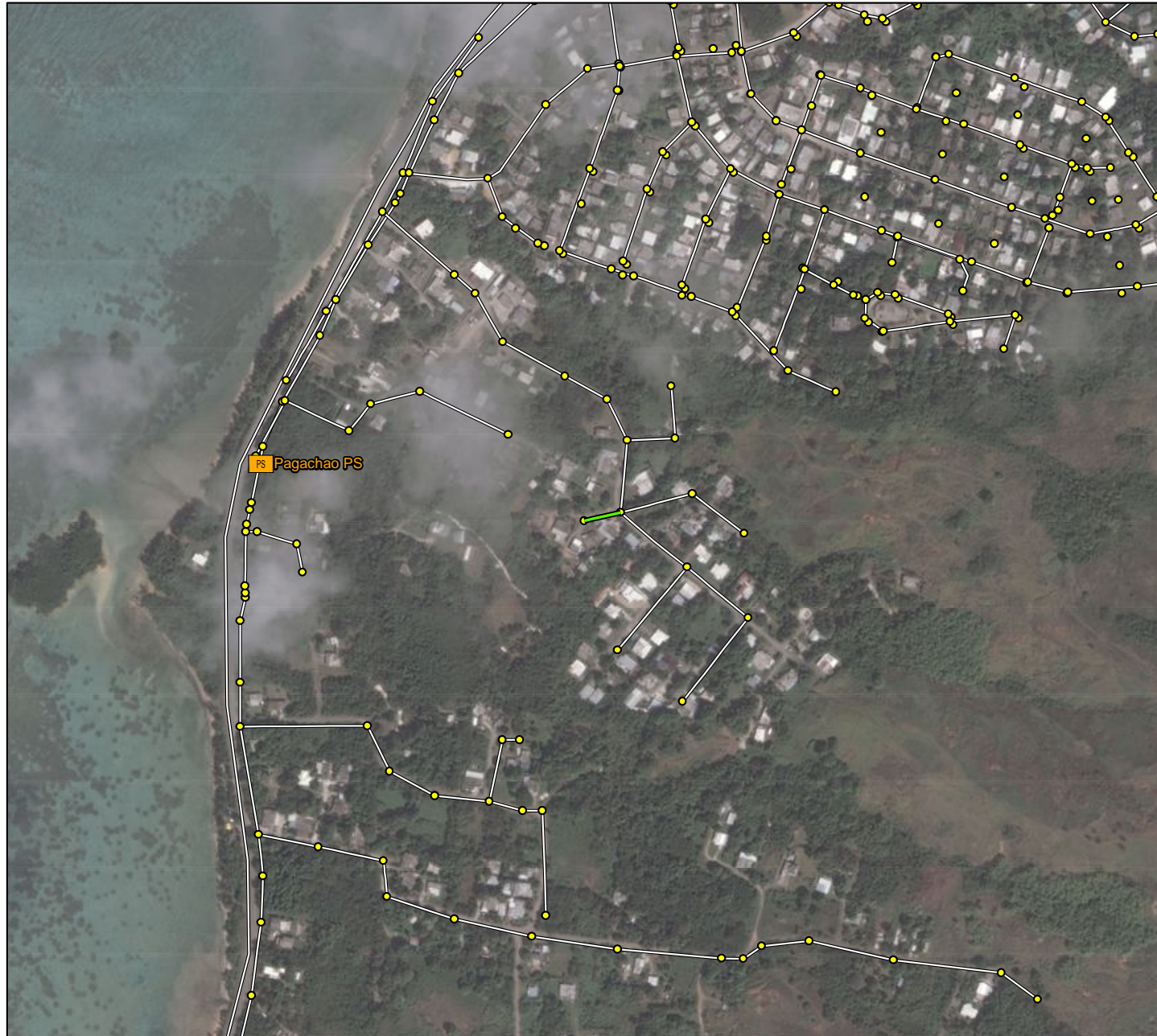
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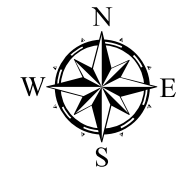
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Court Order Unit
Work for July 2024



Location Map



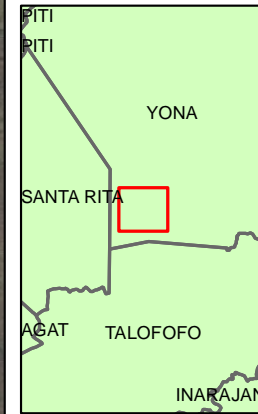
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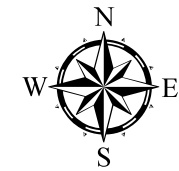
Scale
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Court Order Unit
Work for July 2024



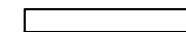
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Scale
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1 inch = 500 feet



GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."

Suite 200, Gloria B. Nelson Public Service Building, 688 Route 15, Mangilao, Guam 96913
Tel. No. (671) 300-6848 Fax. No. (671) 648-3290

August 14, 2024

Commissioners
Consolidated Commission on Utilities

RE: Written Recommendation to Discuss GWA Litigation Matters in Executive Session during
CCU Regular Board Meeting on August 20, 2024

Dear Commissioners,

As the legal counsel for the Guam Waterworks Authority (GWA), I hereby recommend pursuant to 5 G.C.A. § 8111, that the Commissioners discuss the following matters in Executive Session during the August 20, 2024, CCU Regular Board Meeting:

1. Litigation issues as stated in Agenda

Pursuant to 5 G.C.A. § 8111, the Commission must make an affirmative vote of a majority of the members of the Commission to discuss these matters in Executive Session. Please contact me at 671-300-6853 if you have any questions.

Sincerely,



Theresa G. Rojas
GWA Legal Counsel

TGR/abg