



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., Tuesday, January 16, 2024

AGENDA

1. **CALL TO ORDER**
2. **GWA ISSUES FOR DECISION**
 - 2.1 [Resolution No. 08-FY2024 - Relative to Approval of Construction Contract for the Aplacho Drainage and Roadway Improvements](#)
 - 2.2 Resolution No. 09-FY2024 - Relative to Further Amending the Guam Waterworks Authority's Sewer Hookup Revolving Fund Rules and Regulations
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: January 18, 2024 - GPA WS at 8:30 a.m.
January 23, 2024 – CCU Regular Board Meeting at 5:30 p.m.
6. **ADJOURNMENT**



Gloria B. Nelson Public Service Building | 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846/7

Issues for Decision

Resolution No. 08-FY2024

Relative to Approval of the Aplacho Drainage and Roadway Improvements Construction Contract

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

The Aplacho Sewer Pump Station (SPS) was constructed to meet a Court Order requirement to convey wastewater from the Baza Garden Wastewater Treatment Plant (WWTP) to the Agat-Santa Rita WWTP, in order to decommission the Baza Gardens WWTP when it was converted to the Baza Gardens Pump Station. The existing groundwater table is relatively high as close as one (1) foot underneath Route 17 in Santa Rita which is adjacent to the Aplacho SPS and the roadway does not have a drainage system. The construction of the Aplacho SPS inadvertently contributed to the additional groundwater upwelling that damaged the Route 17 roadway.

GWA partnered with the Department of Public Works (DPW), as DPW had design plans ready for construction for a new drainage system and rehabilitate Route 17 roadway to enhance motorist safety. GWA will lead construction of the Aplacho drainage system and road repairs. DPW will own and maintain the drainage system and repaired road.

The original Invitation for Bid (IFB) was advertised on June 16, 2022, but bids exceeded the government estimate by more than \$2,000,000.00. The design was adjusted to reduce costs and still meet project goals. The second IFB was advertised on September 13, 2023 and GWA determined A & R Pacific, who submitted the lowest bid proposal.

Where is the project located?

In front of Aplacho SPS, near the Aplacho Bridge, along Route 17.

How much will it cost?

The lowest bid is \$1,053,819.91. A twenty percent (20%) contingency in the amount of \$210,763.98 is requested. The total authorized amount (bid plus contingency) would be \$1,264,583.89.

When will it be completed?

All work is anticipated to be completed as early as the 4th quarter of 2024.

What is the funding source?

2020 MP-WW-Pump-01 Bonds and other bonds and available grants, as needed.

The RFP/BID responses (if applicable):

Two bids were received. The lowest responsible and responsive bid was from A & R Pacific.



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. 08-FY2024

**RELATIVE TO APPROVAL OF THE APLACHO DRAINAGE AND ROADWAY
IMPROVEMENTS CONSTRUCTION CONTRACT**

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, GWA constructed the Aplacho Sewer Pump Station (SPS) as part of a Court Order project to convey wastewater from the Baza Gardens Wastewater Treatment Plant (WWTP) to the Agat-Santa Rita WWTP, in order to decommission the Baza Gardens WWTP when it was converted to the Baza Gardens Pump Station; and

WHEREAS, the existing groundwater table is relatively high as close as 1 foot underneath Route 17 adjacent to the Aplacho SPS, the roadway does not have a drainage system, and thereby the construction of the Aplacho SPS inadvertently contributed to the additional groundwater upwelling that damaged the road; and

WHEREAS, there is a mutual desire between the Department of Public Works (DPW) and GWA to add new drainage and repair the road for the benefit of the public; and

WHEREAS, DPW provided design plans, specifications, and engineering support during procurement, and will assume ownership and maintenance of the drainage system and road, upon completion and satisfactory inspection of the drainage system and road repair; and

1 **WHEREAS**, GWA issued a competitive procurement bid (IFB-02-ENG-2022) on June
2 16, 2022, but bids exceeded the government cost estimate by more than Two Million Dollars
3 (\$2,000,000.00); and thereby, the design was adjusted to reduce costs and still meet project
4 goals and GWA issued a second competitive procurement bid (IFB-07-ENG-2023) on
5 September 13, 2023; and
6

7 **WHEREAS**, thirteen firms registered for bids and two firms submitted bids by the bid
8 deadline of November 20, 2023 (see Exhibit A – Abstract of Bids). GWA analyzed all bid
9 proposals and determined A & R Pacific, who submitted the lowest bid proposal (Exhibit B) of
10 One Million Fifty-Three Thousand Eight Hundred Nineteen Dollars and Ninety-One Cents
11 (\$1,053,819.91), was the lowest responsive and responsible bidder and met all the bid
12 requirements set forth by GWA; and
13

14 **WHEREAS**, GWA Management seeks CCU approval to enter into a contract with A &
15 R Pacific, for IFB-07-ENG-2023, in the amount of One Million Fifty-Three Thousand Eight
16 Hundred Nineteen Dollars and Ninety-One Cents (\$1,053,819.91); and
17

18 **WHEREAS**, GWA Management further seeks CCU approval for a twenty percent
19 (20%) contingency of Two Hundred Ten Thousand Seven Hundred Sixty-Three Dollars
20 and Ninety-Eight Cents (\$210,763.98), for a total authorized contract amount of One
21 Million Two Hundred Sixty-Four Thousand Five Hundred Eighty-Three Dollars and
22 Eighty-Nine Cents (\$1,264,583.89); and
23

24 **WHEREAS**, funding for this project shall be from 2020 MP-WW-Pump-01 Bonds and
25 other bonds and available grants, as needed.
26

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

- 29 1. The recitals set forth above hereby constitute the findings of the CCU.
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- 2. The CCU hereby authorizes GWA Management to accept the bid from A & R Pacific, attached hereto as Exhibit B.
- 3. The CCU hereby authorizes GWA Management to enter into a contract with A & R Pacific in the amount of One Million Fifty-Three Thousand Eight Hundred Nineteen Dollars and Ninety-One Cents (\$1,053,819.91).
- 4. The CCU hereby authorizes a twenty percent (20%) contingency of Two Hundred Ten Thousand Seven Hundred Sixty-Three Dollars and Ninety-Eight Cents (\$210,763.98), for a total authorized contract amount of One Million Two Hundred Sixty-Four Thousand Five Hundred Eighty-Three Dollars and Eighty-Nine Cents (\$1,264,583.89).
- 5. The CCU hereby approves the use of Bond funds.

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

DULY AND REGULARLY ADOPTED, this 23rd day of January 2024.

Certified by:

Attested by:

JOSEPH T. DUENAS

PEDRO ROY MARTINEZ

Chairperson

Secretary

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EXHIBIT A



ORIGINAL

IFB No. IFB-07-ENG-2023
 Project: Aplacho Drainage and Roadway Improvements
 GWA Job No./Project No. 22202

Bid Opening Date: November 20, 2023 (Monday), 10:00 AM
 GPA SPORD Conference Room

ABSTRACT OF BIDS

NO.	BIDDERS NAME	BID BOND	Bid Bond Equal to 15% of total amount of bid	Bidder Qualification Form	Bid Proposal and Bid Schedule	Non-Collusion Affidavit	Certification of Bidder RE Equal Employment Opportunity	Certification RE Non-Segregated Facilities	Sex Offender Certification	Wage and Benefit Determination	Affidavit Disclosing Ownership and Interest	Affidavit RE Gratuities or Kickbacks	Affidavit RE Ethical Standards	Affidavit RE Contingent Fees	Special Instructions to Bidders	Proof of License to Perform Work Called for by the Bid	Financial Statements	Proof of Status as Veteran (if applies)	Forms or Documents Required by Bid or Bid Amendments	ADDENDUM			RFI	BID AMOUNT
																				1	2	3	1	TOTAL BID PRICE
1.	AER PACIFIC	DIA REPUBLIC IN COMPANY 15% OF BID BOND	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	✓	✓	\$1,053,819.91
2.	IAM CORPORATION	SAFECS TRS. COMP. OF AMERICA 15% OF BID BOND	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	✓	✓	\$1,818,102.00
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12.																								
GWA ENGINEER'S ESTIMATE																								\$327,693.15

Bids Opened and Read by:

 Josephine E. Smith, PMBA
 (Name and Signature)
 GWA Management Analyst

Tabulated by:

 Ryma Nida A. Carino
 (Name and Signature)
 GWA Project Manager

GWA Procurement Representative:

 Roland F. Lumongsu
 (Name and Signature)
 GWA Buyer II

Witnesses:

 Anil-Jay G.
 (Name and Signature)

SHOBA REVANI
 (Name and Signature)

Christiana Martin, OCA
 GWA Procurement
 RL

Vince Laguane Gula

 Jacob Miller Gula

EXHIBIT B



DUNS: 855021479 | Cage Code: 7K3B4 | PO Box 25612, Barrigada, Guam 96921

November 19, 2023

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

Subject: APLACHO DRAINAGE AND ROADWAY IMPROVEMENTS; GWA Project No. 22202

Dear Mr. Bordallo,

A&R Corporation dba A&R Pacific is pleased to submit this proposal for above-mentioned solicitation.

1. Statement of Offeror's Intent:

A&R Pacific agrees to comply with all terms, conditions, and provisions included in this solicitation and to furnish all items upon which prices offered in this response at the price set opposite each item.

2. Identification of Offeror:

Mailing Address:

A&R Pacific
PO Box 25612
Barrigada Guam, 96921
DUNS#: 855021479
Cage Code: 7K3B4

Telephone: (671) 646-3146
Facsimile: (619) 335-5923 (eFax)
Email: Shoja.Rezvani@ar-pacific.com
TIN: 66-0805631

3. Persons Authorized to negotiate this Contract with Guam Waterworks Authority sign proposal:

Mr. Shoja Rezvani is representatives of the A&R Pacific and authorized to sign the proposal, acknowledge amendments and negotiate with the Guam Waterworks Authority.

Shoja Rezvani, Vice President | Telephone No.: (671) 685 -8105
Facsimile No.: (619) 333-5923 | Email: Shoja.Rezvani@ar-pacific.com

4. Evidence of Bidder's authority to do business in the territory of Guam and contractor's license number. Please see attached.

Respectfully,
A&R Pacific

A handwritten signature in black ink, appearing to read 'Solmaz Akhtarpoor', written over the printed name.

Solmaz Akhtarpoor
President

Tel: (671) 685 8105 | eFax: (619) 333-5923

1 – Revised Unit Price Bid Form

APLACHO DRAINAGE AND ROADWAY IMPROVEMENTS

GWA Project No. 22202

Description of Work: (OR)

Base Bid - Description of Work:

Aplacho Drainage and Roadway Improvements. The base bid item consists but not specifically limited to the construction of two (2) units of subterranean drainage interceptor at a crossroad with a 4" diameter perforated pipe to be backfilled and geotextile. The pipe extends the drain to daylight and harden with a concrete headwall. Trench and excavate to 24" wide and 36" depth, and envelope with filter fabric and 2" (minus) drain rocks. Road improvements include asphalt concrete spot repair.

Bidders will complete the work for the following price(s) as broken down per scope item:

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization/Demolition	Lump Sum	\$ 90,437.79	1	\$ 90,437.79
2	Project management and coordination, documentation, insurance, temporary facilities, permitting fees and site construction layout (including survey)	Lump Sum	\$ 248,130.69	1	\$ 248,130.69
3	Environmental protection (Silt fence, sand bags & BMP's)	Lump Sum	\$ 35,044.08	1	\$ 35,044.08
4	Temporary traffic control work; all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals	Lump Sum	\$ 291,264.69	1	\$ 291,264.69
5	Asphalt restoration (including saw cutting, removal of pavement, subgrade preparation /compaction, aggregate course and sub-base and pavement,)	SF	\$ 55.01	2500	\$ 137,515.08
6	Subterranean drainage interceptor at cross road (2 locations) including pavement saw cutting, excavation, laying of perforated pipe, backfilling, compaction, construction of headwall (2 locations of 30 ft) backfilling, compaction and pavement, and riprap (complete in place)	Lump Sum	\$ 173,847.79	1	\$ 173,847.79
7	Turf Establishment	Lump Sum	\$ 35,190.96	1	\$ 35,190.96

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
8	Pavement Markings	Lump Sum	\$ 38,308.81	1	\$ 38,308.81
9	Project Closeout	Lump Sum	\$ 4,080.02	1	\$ 4,080.02
TOTAL BASE BID (OR BID) (As applicable) (TOTAL of Items 1 through 9 inclusive)					\$ 1,053,819.91
<i>(Please write out total bid amount in words below)</i>					
\$ ONE MILLION FIFTY-THREE THOUSAND EIGHT HUNDRED NINETEEN AND NINETY-ONE CENTS					



Presentation To:

Consolidated Commission on Utilities

GWA Work Session
January 16, 2024



Issues for Resolution

GWA Work Session
January 16, 2024



Aplachao Drainage and Roadway Improvements

Relative to Approval of the Aplachao Drainage and Roadway Improvements Construction Contract

GWA Resolution No. 08-FY2024

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

- The Aplacho Sewer Pump Station (SPS) was constructed to meet a Court Order requirement to convey wastewater from the Baza Garden Wastewater Treatment Plant (WWTP) to the Agat-Santa Rita WWTP, in order to decommission the Baza Gardens WWTP when it was converted to the Baza Gardens Pump Station. The existing groundwater table is relatively high as close as one (1) foot underneath Route 17 in Santa Rita which is adjacent to the Aplacho SPS and the roadway does not have a drainage system. The construction of the Aplacho SPS inadvertently contributed to the additional groundwater upwelling that damaged the Route 17 roadway.
- GWA partnered with the Department of Public Works (DPW), as DPW had design plans ready for construction for a new drainage system and rehabilitate Route 17 roadway to enhance motorist safety. GWA will lead construction of the Aplacho drainage system and road repairs. DPW will own and maintain the drainage system and repaired road.
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Where is the project located?

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Management Report

GWA Work Session

January 16, 2024



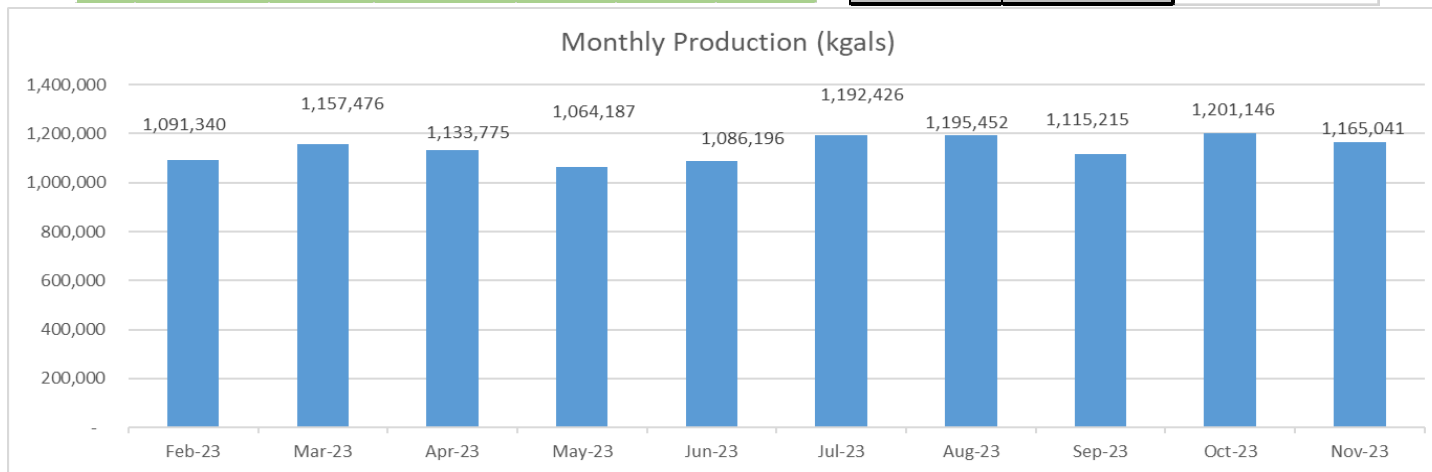


Operations Update

Water Production (November 2023)

Monthly Production Summary - November 2023			
Deep Wells		35.4 MGD	
Active wells =	93	of 120	
Avg days in operation =	30	days	
Total Production =	1,062,677	Kgals	
Springs		0.44 MGD	
Avg days in operation =	30	days	
Total Production =	13,349	Kgals	
Ugum Surface Water Plant		1.8 MGD	
Avg days in operation =	30	days	
Total Production =	53,437	Kgals	
Tumon Maui Well		1.19 MGD	
Avg days in operation =	30	days	
Total Production =	35,578	Kgals	
		1,165,041	38.8 MGD

DW Status as of 11/30/2023		REMARKS
Active	93	DW units on line
Standby	1	A29
Grounded Motors	15	A09-A18-A26-D01-D03-D09-D12-F01-F10-F11-F13-F20-M05-Y04-Y16
Out of Commission	9	A02-A07-A28-D05-D13-M01-M14-MJ01-MJ05
Secured - PFO	2	A23 and-A25
TOTAL	120	

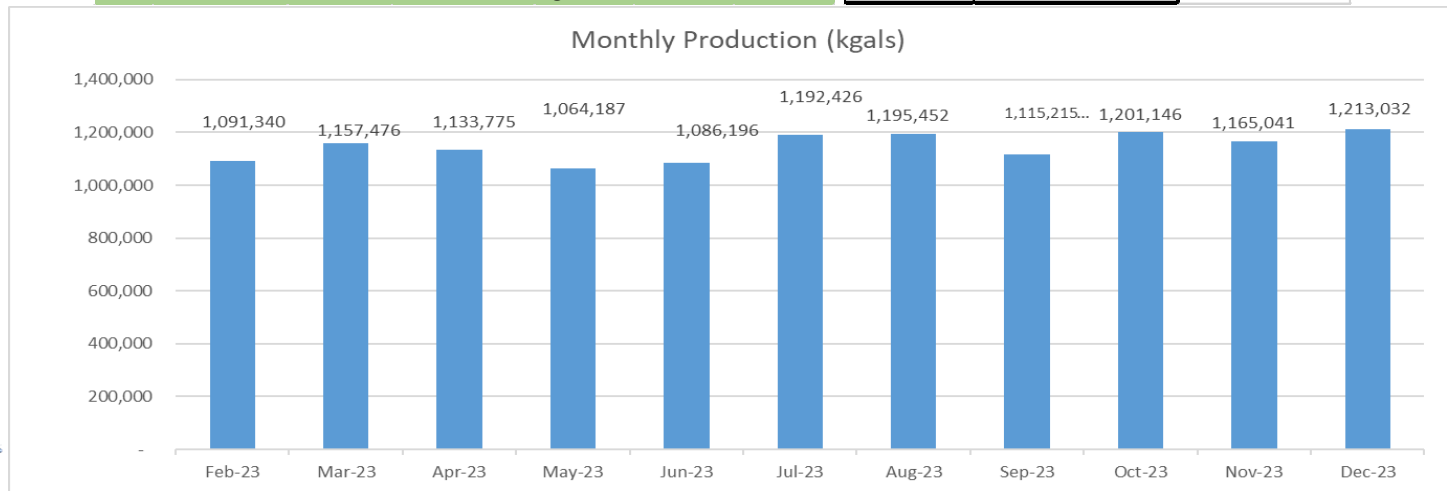




Operations Update

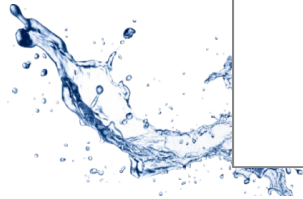
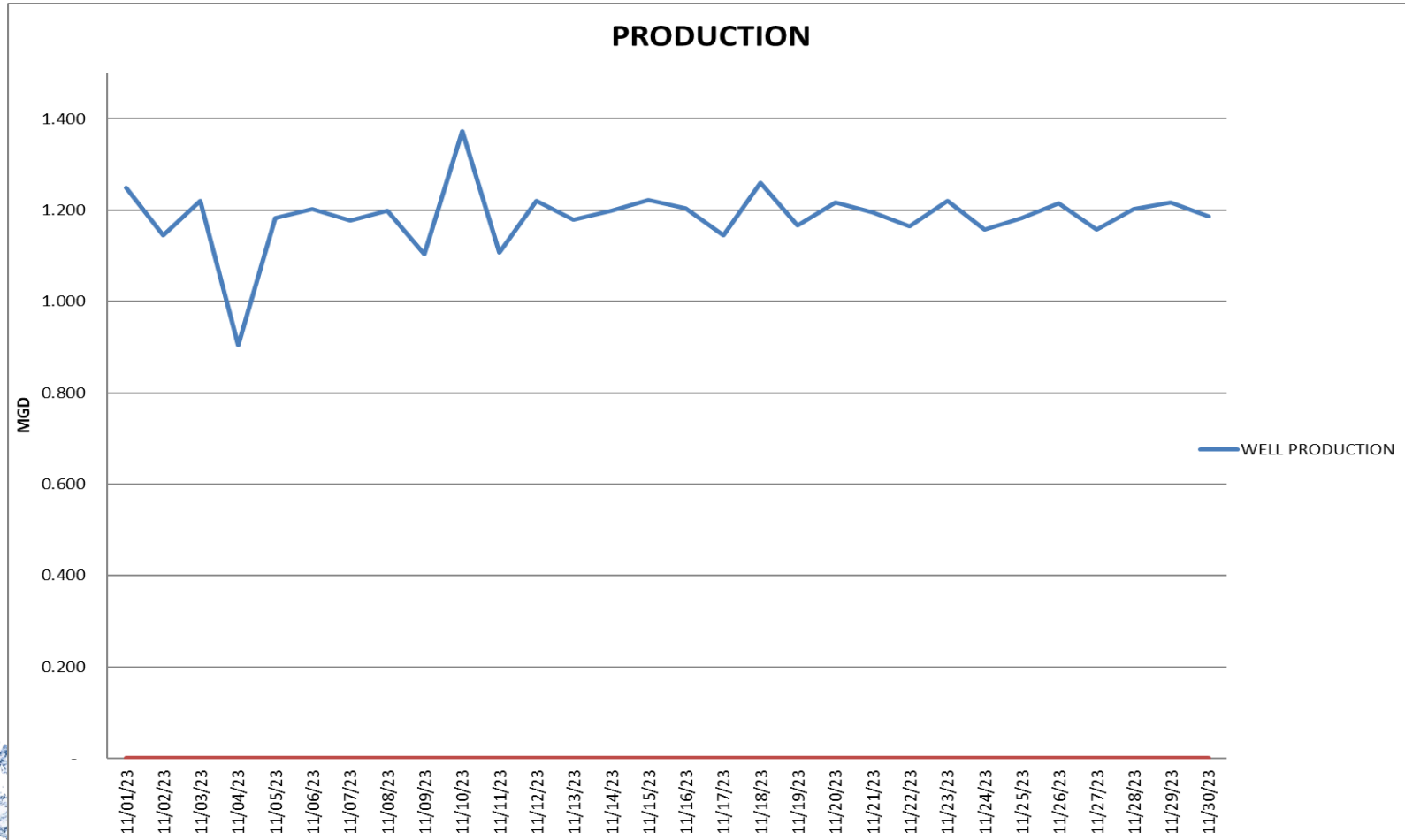
Water Production (December 2023)

Monthly Production Summary - December 2023				DW Status as of 12/31/2023		REMARKS
Deep Wells			35.8 MGD		Active	93 DW units on line
Active wells =	94 of 120				Standby	1 A29
Avg days in operation =	31 days					
Total Production =	1,110,441 Kgals					
Springs			0.30 MGD		Grounded Motors	15 A09-A18-A26-D01 D03-D09-D12-D14 F01-F10-F13-F20- M05-M12-Y16
Avg days in operation =	31 days					
Total Production =	9,151 Kgals					
Ugum Surface Water Plant			1.8 MGD		Out of Commission	9 A02-A07-A28-D05 D13-M01-M14- MJ01-MJ05
Avg days in operation =	31 days					
Total Production =	56,560 Kgals					
Tumon Maui Well			1.19 MGD		Secured - PFO	2 A23 and-A25
Avg days in operation =	31 days					
Total Production =	36,880 Kgals					
			1,213,032 Kgals	39.1 MGD	TOTAL	120



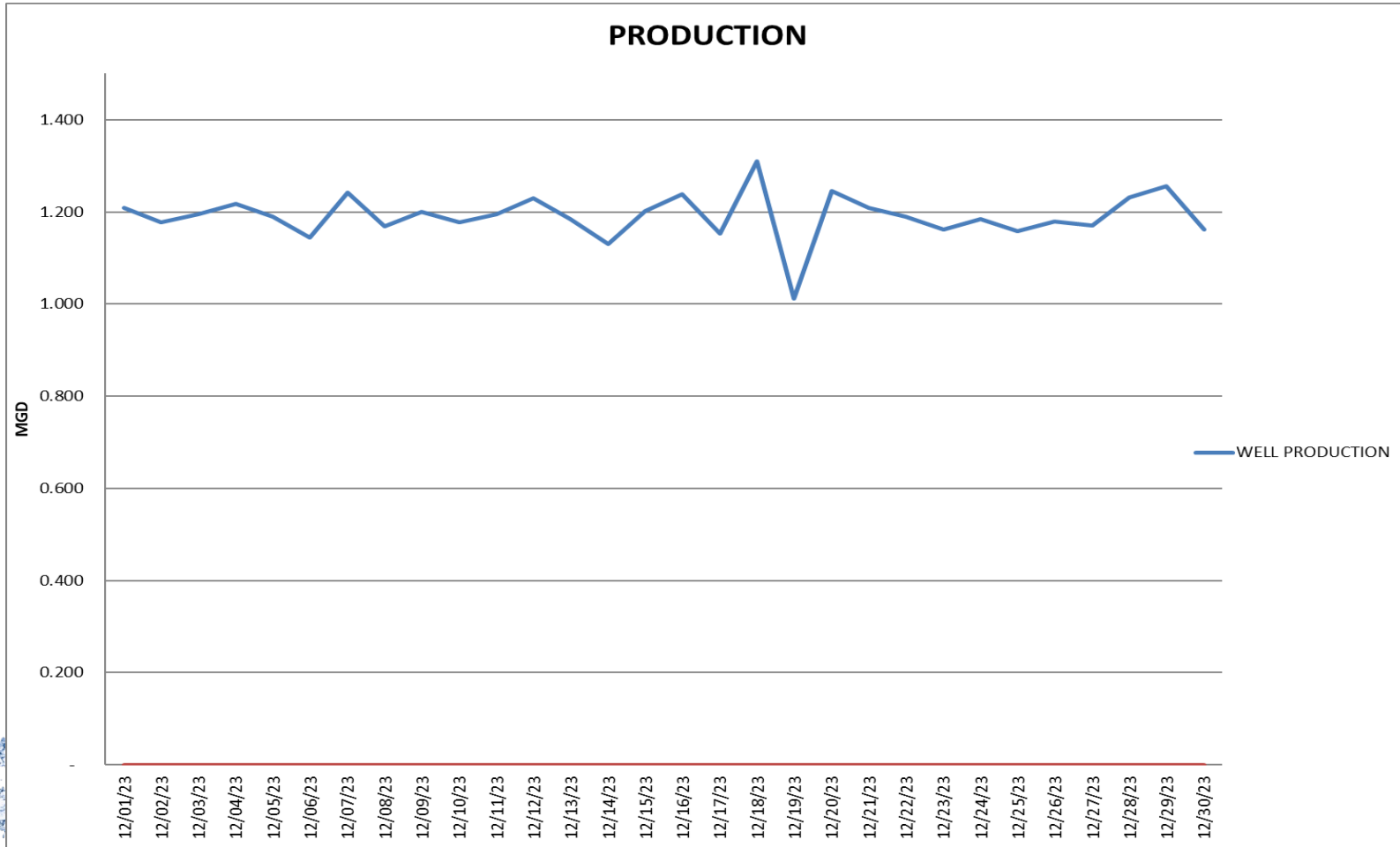


Tumon Maui Well Production (November 2023)





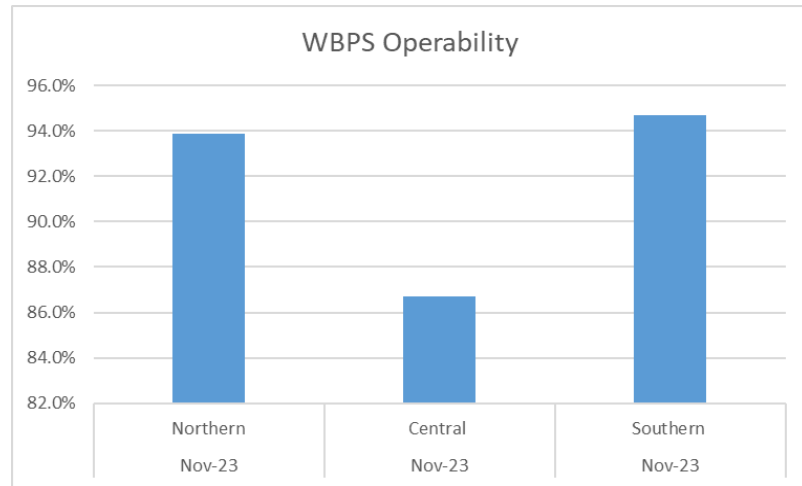
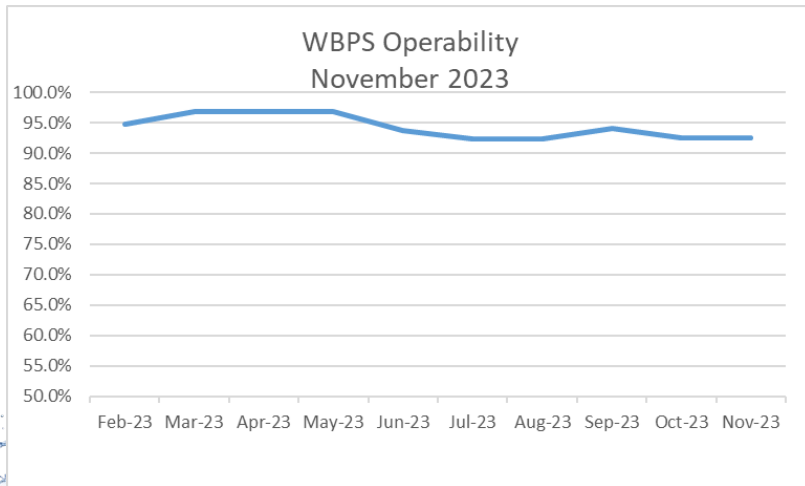
Tumon Maui Well Production (December 2023)





Water Distribution (November 2023)

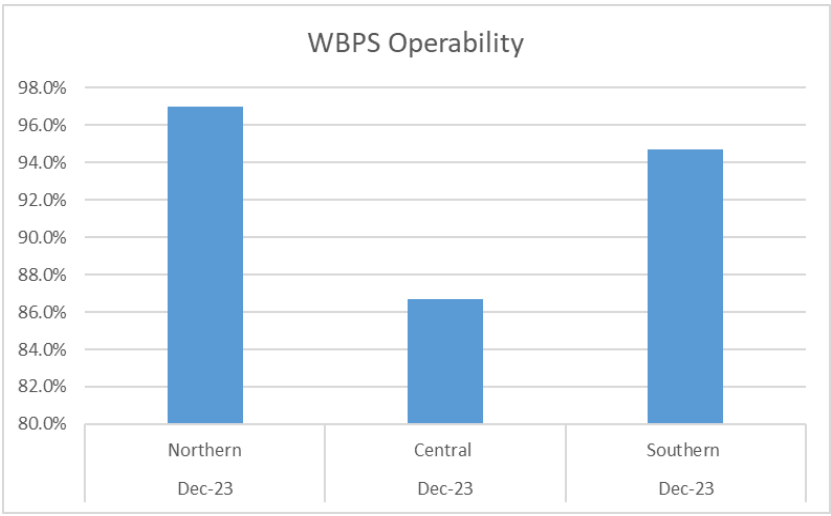
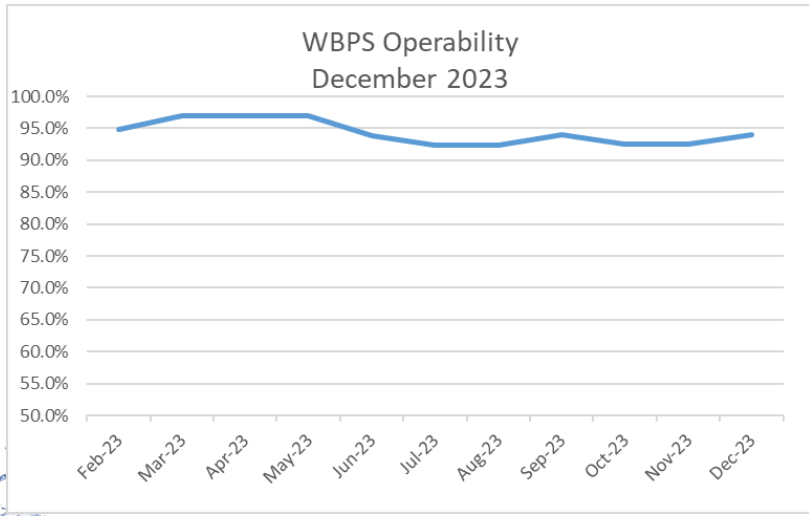
Monthly Distribution Summary - November 2023					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	14	33	31	93.9%
	Central	7	15	13	86.7%
	Southern	8	19	18	94.7%
		29	67	62	92.5%





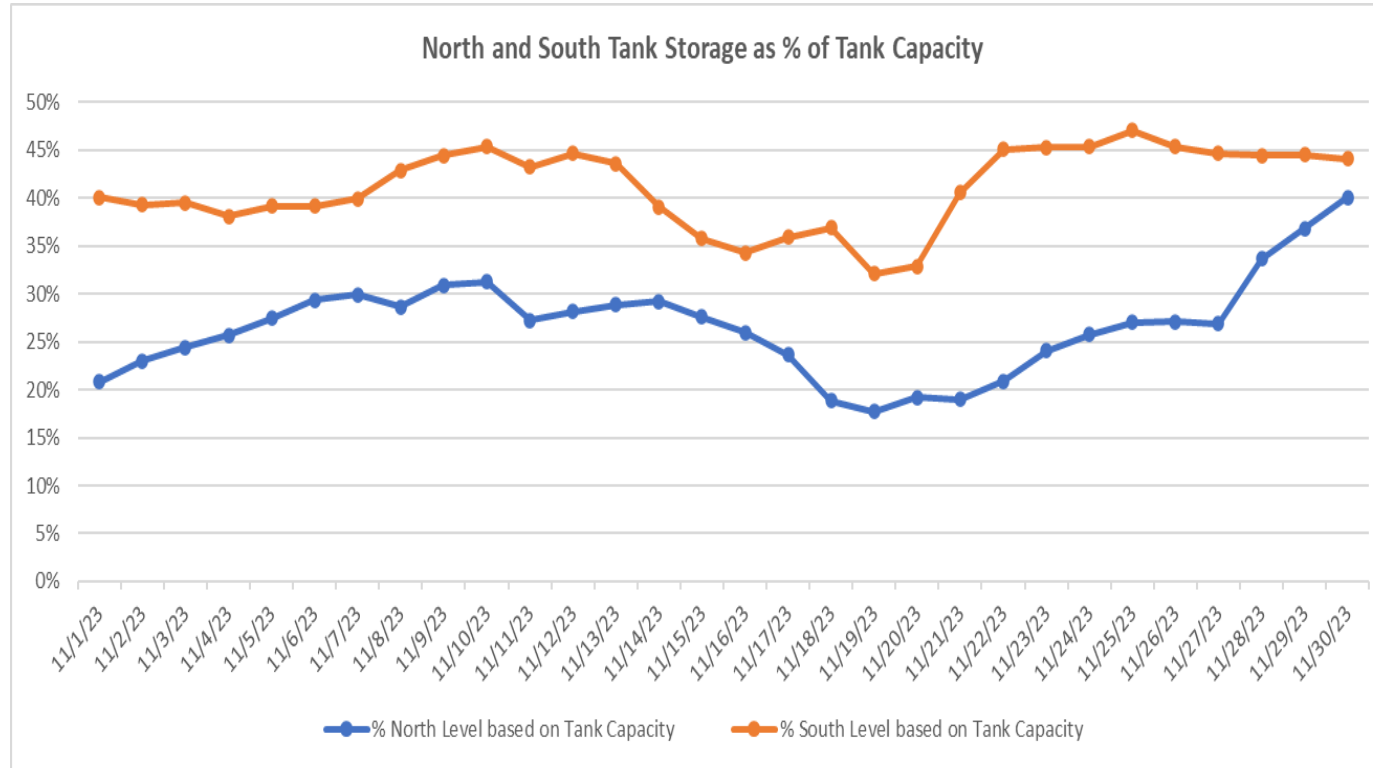
Water Distribution (December 2023)

Monthly Distribution Summary - December 2023					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	14	33	32	97.0%
	Central	7	15	13	86.7%
	Southern	8	19	18	94.7%
		29	67	63	94.0%



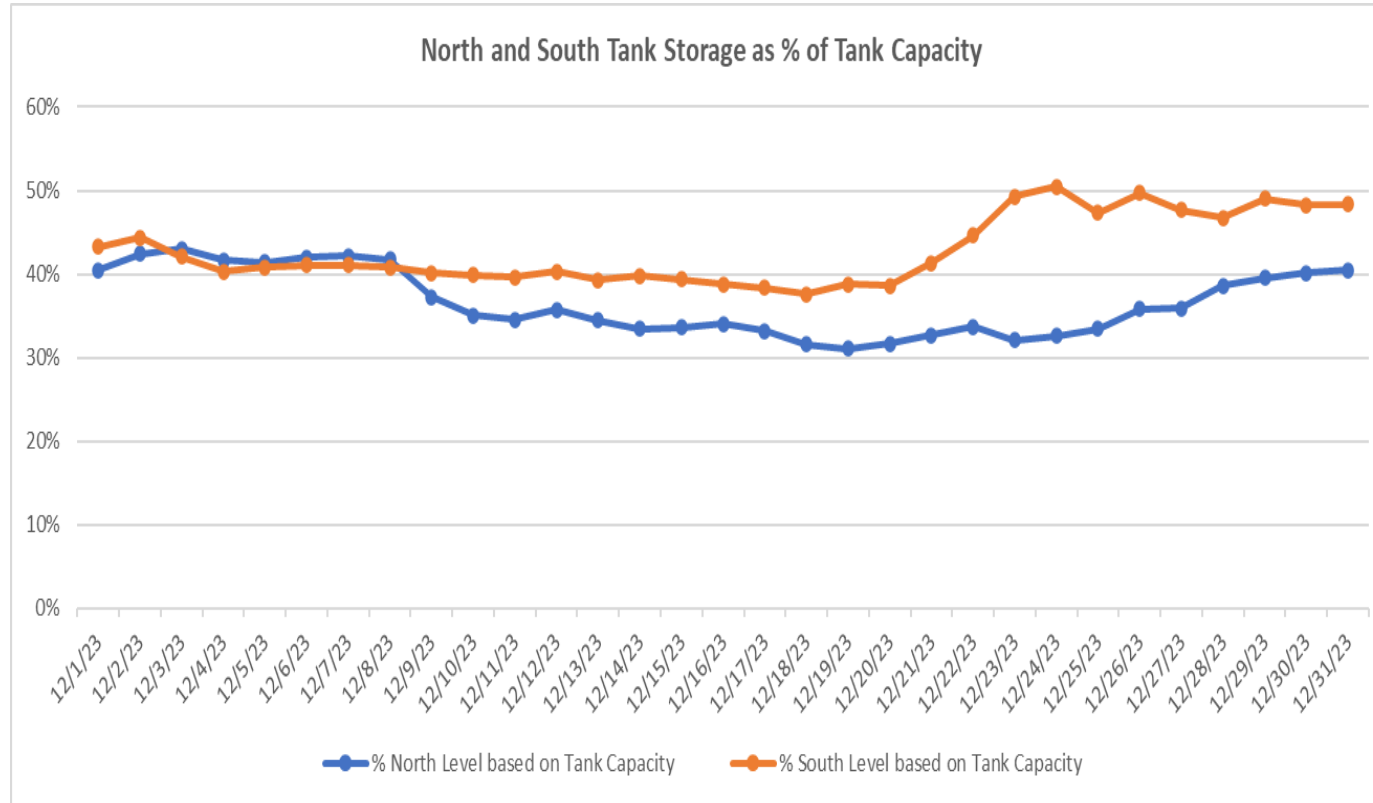


Water Distribution – Tank Levels (November 2023)





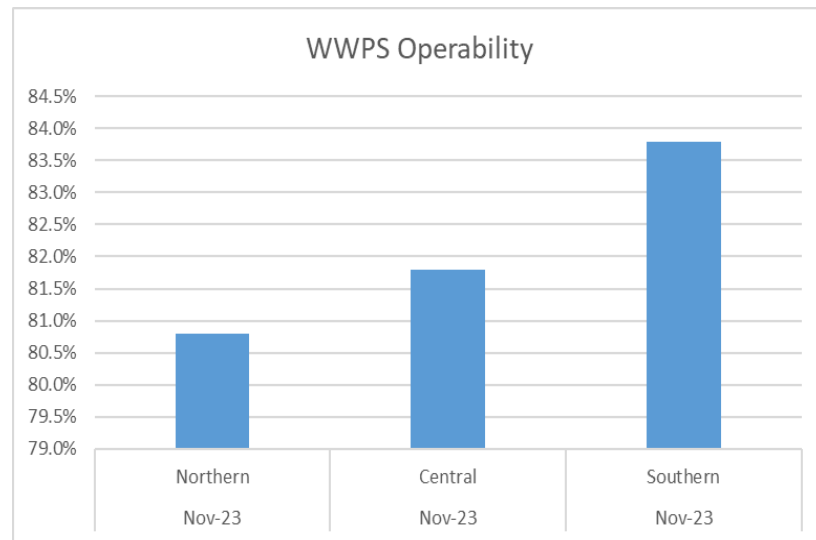
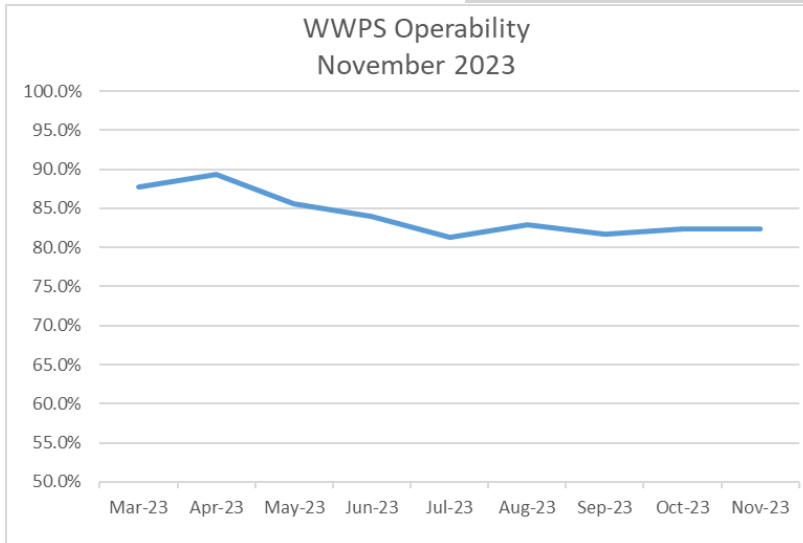
Water Distribution – Tank Levels (December 2023)





Wastewater Collections (November 2023)

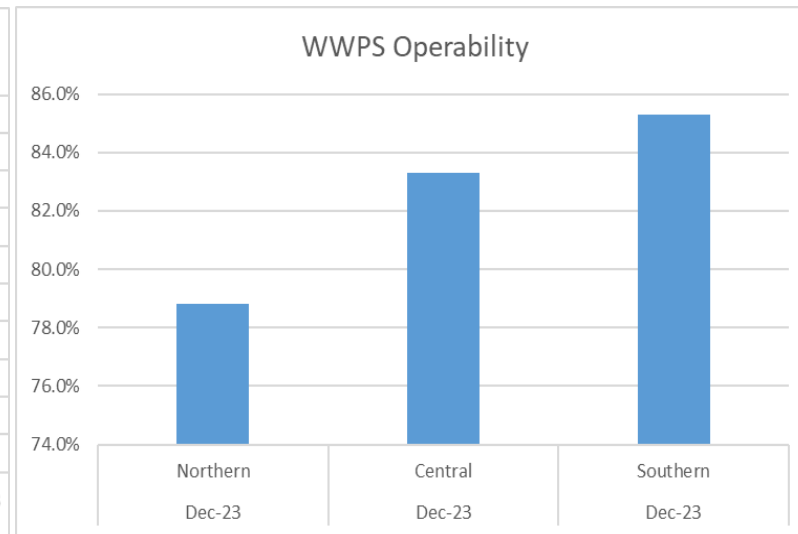
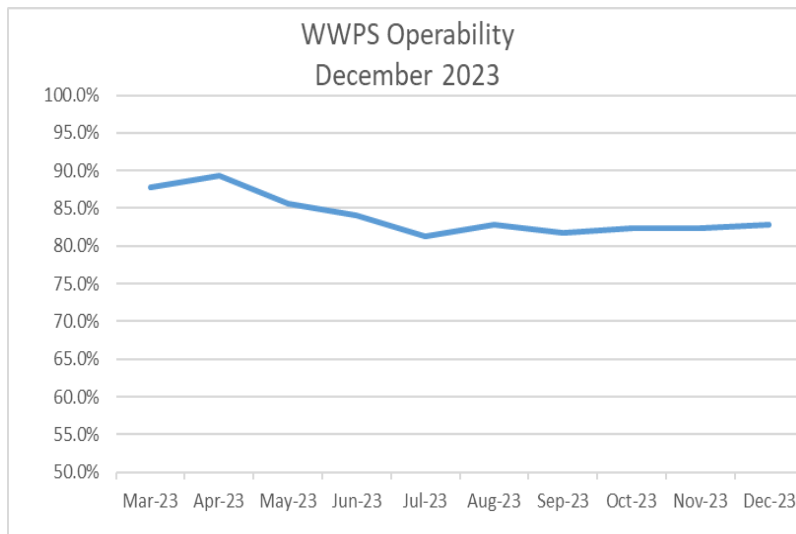
Monthly Collections Summary - November 2023					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	42	80.8%
	Central	30	66	54	81.8%
	Southern	32	68	57	83.8%
		84	186	153	82.3%





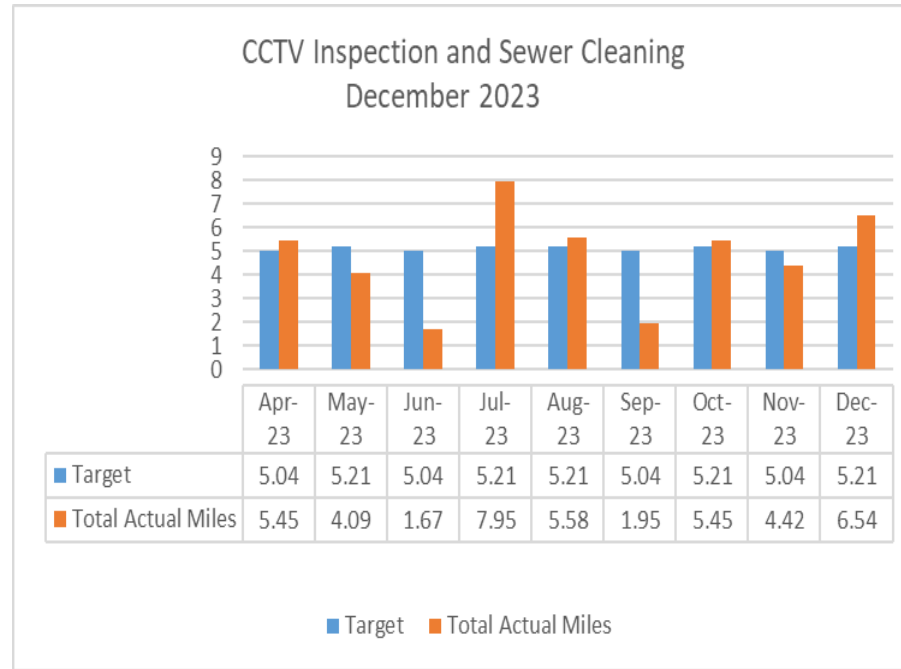
Wastewater Collections (December 2023)

Monthly Collections Summary - December 2023					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	41	78.8%
	Central	30	66	55	83.3%
	Southern	32	68	58	85.3%
		84	186	154	82.8%





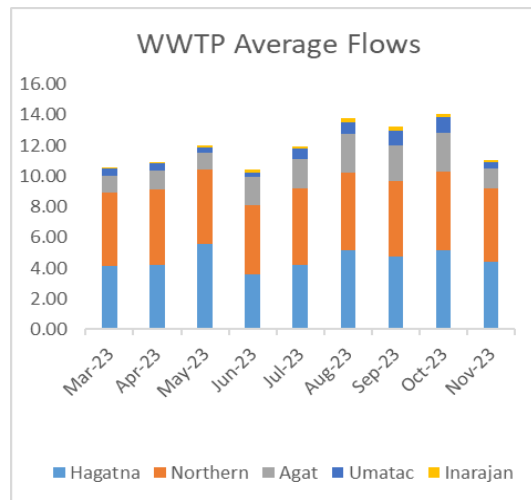
Wastewater Collections – CCTV (through December 2023)





Wastewater Treatment (November 2023)

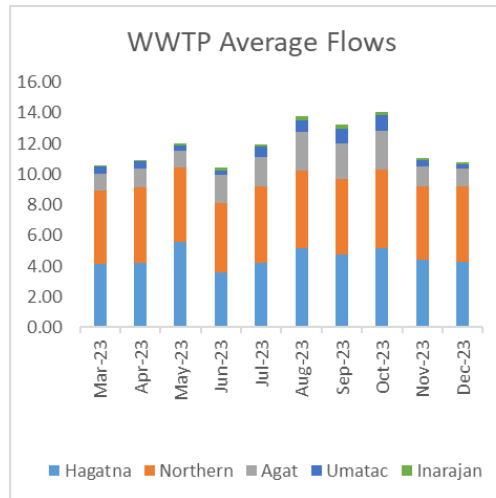
Monthly Wastewater Treatment Summary - November 2023				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.42	194,060	\$ 17,465
	Northern	4.75	664,480	\$ 59,803
	Agat	1.35	66,800	\$ 6,012
	Umatac	0.38		
	Inarajan	0.13		
		11.03	925,340	\$ 83,280





Wastewater Treatment (December 2023)

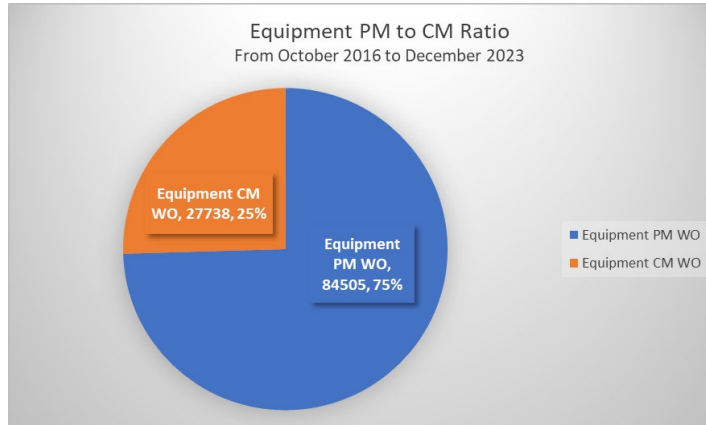
Monthly Wastewater Treatment Summary - December 2023				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.30	346,360	\$ 31,172
	Northern	4.88	796,000	\$ 71,640
	Agat	1.15	52,000	\$ 4,680
	Umatac	0.34		
	Inarajan	0.12		
		10.79	1,194,360	\$ 107,492



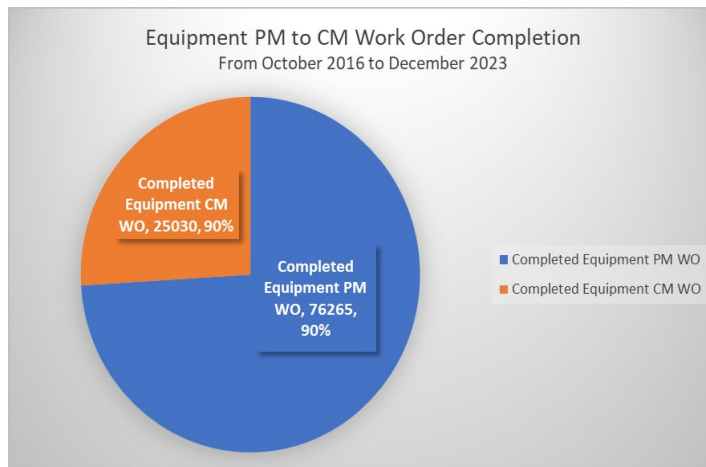


Asset Management (through December 2023)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*



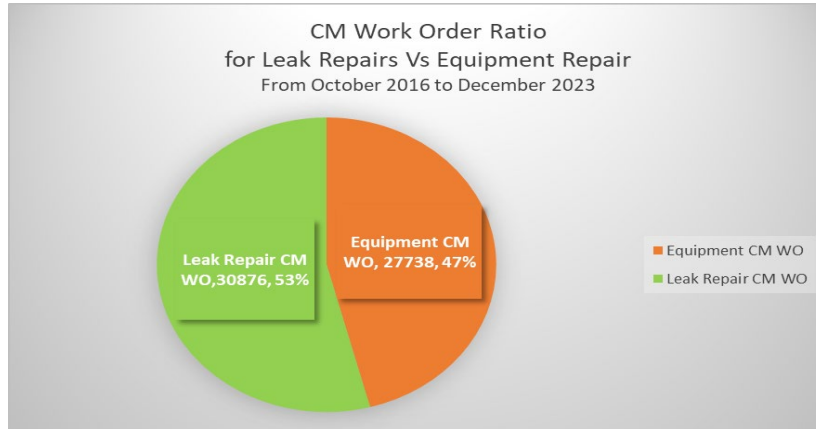
II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*



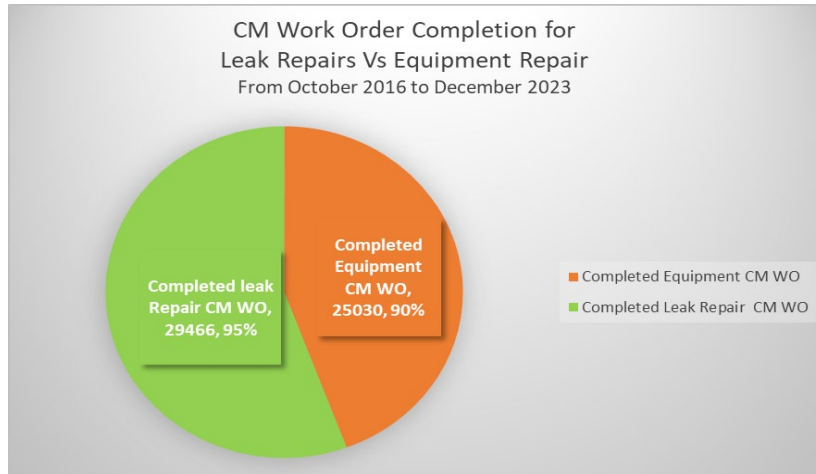


Asset Management (through December 2023)

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 (November and December 2023)

- Licenses/Leases – Still working on temporary licenses while working on leases.
 - TMW/AG-1/ Tarague Water Line License
 - Licenses have been approved but still waiting on approval GWA’s request to increase pumping capacity which has not been approved by Andersen 36th CES Operations. Maria Lewis will spoke to Maj. Trott but hasn’t received a response. GWA will follow up at next One Guam meeting, scheduled for January 12,2024.
- Property Transfers
 - Murray Road/Schoeffel Heights Easement – Glenn C. informed that there is some movement and expects soon.
 - Transfer of ACEORP
 - Transfer request package is current with the AG’s office for review; there are 2 properties and both have to move forward at the same time. DOD will ask Real Estate to look into possibly severing them and resubmitting ACEORP separately.
- Easements
 - Andersen Water Line – AG-1 to Route 9
 - Installation approval given, but DOD will follow up on status on the easement documents.
 - GWA WW Collection System Easement at Marbo/Skaggs
 - Referred to MCB
- Information Requests
 - Navy to GWA (Water Protection/System Cost): Completed.
 - GWA to Navy:
 - 1) PFAS Levels vs. Life of GAC Information – GWA is still working on providing this information to the Navy
 - 2) GWA Wells within a Mile of Naval Hospital, Radio Barrigada, or NCTS Finegayan - Completed
 - 3) RFI from EA on GDS Sites
 - GWA will follow up if there is any additional information need by DOD



(Continued on next page)



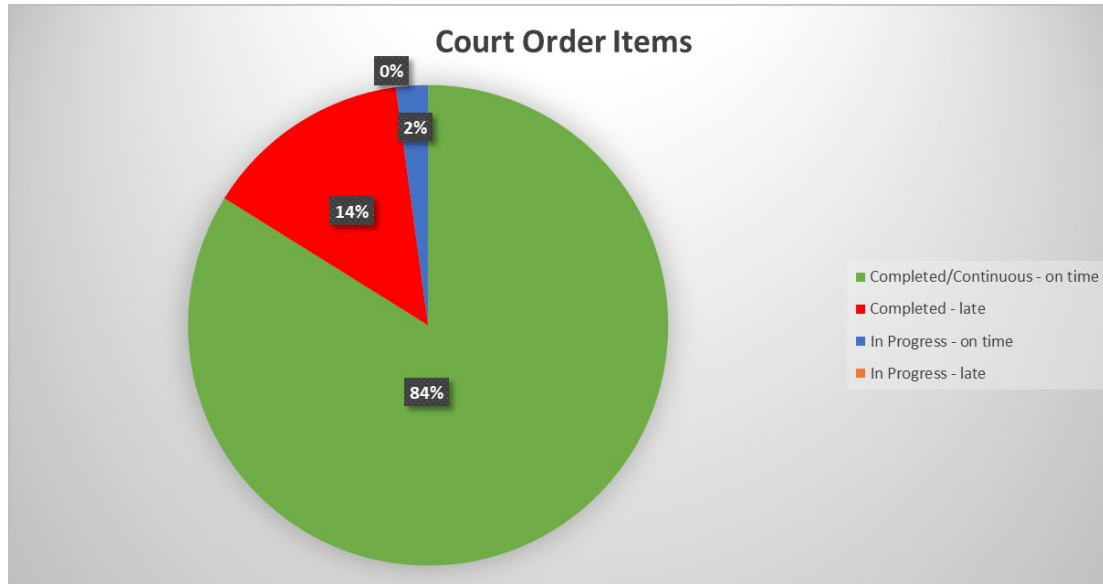
One Guam Update (November and December 2023 - continuation)

- Interagency Billing & Contracts/Agreements
 - DOD Contracts is working on agreement; draft is being circulated. Next meeting will be to discuss water for trade and how it works. Hopefully will have draft for GWA's reviewed soon.
- Other
 - Water to Navy Meter at Power Substation across Micronesia Mall
 - Maria L. talked to the Base and don't know how will get line re-opened since capped valve at middle of road. Can possibly work on transferring; once transferred, GWA can go in to connect it or have GPA pay for connection. GWA will follow up with GPA.
- New Business
 - Influx of RFIs – Radio Barrigada
 - GWA will need to model the area for capacity to accommodate possible additional discharge flow of 30,000 gallons a day from Rt. 8 (Radio Barrigada) (Core Tech summer homes of 64 units plus current flow and possibly Navy office buildings- approximately 24,000 gallons a day)
 - DOD will send rough magnitude for current flow and estimated future additional flow for GWA's model purposes.





Court Order Summary (through December 2023 – 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 (November and December 2023)

The following SSO was reported for November and December, 2023:

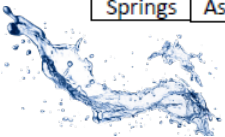
- Nov. 3, 2023, SS# 1404335, Hyatt Doc, Tamuning - Pump Station Failure - Fujita Pump Station – FOG
- Nov. 19, 2023, SS# 1407082, Route 10A, Tamuning – FOG
- Nov. 20, 2023, SS# 1407083, Taitano Road, Harmon – FOG
- Dec. 13, 2023, SS# 1412314, Roy T. Damian Street, Mongmong-Toto-Maite – FOG
- Dec. 16, 2023, SS# 1412359, 2023 Pas Street, Tamuning – FOG
- Dec. 25, 2023, SS# 1414530, Route 16, Harmon – FOG





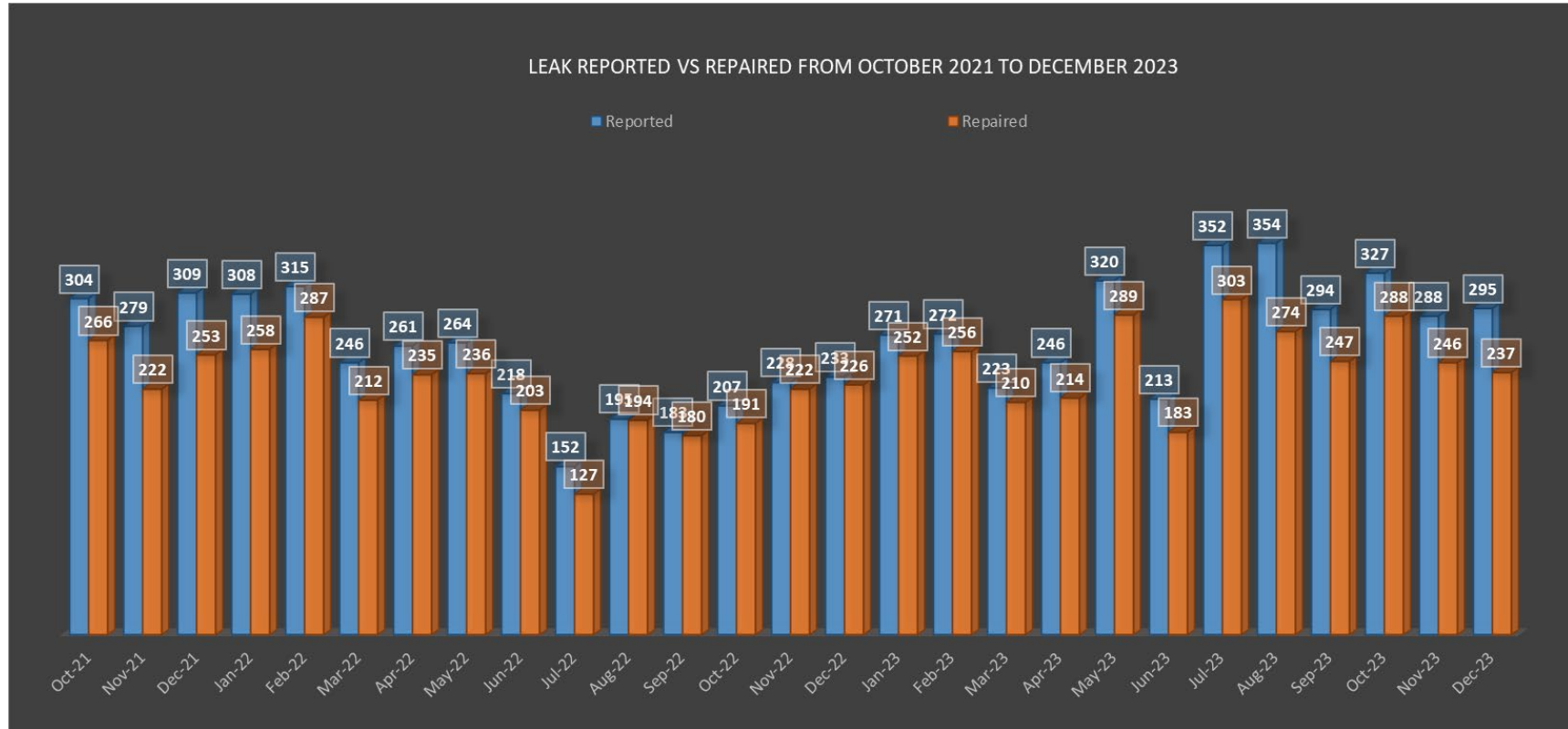
Land Acquisition Summary (through December 2023)

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.
	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.
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
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"> A draft Environmental Assessment has been prepared and was submitted to NPS April 28, 2023. NPS provided their comments on September 07, 2023 and are currently being addressed. 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.



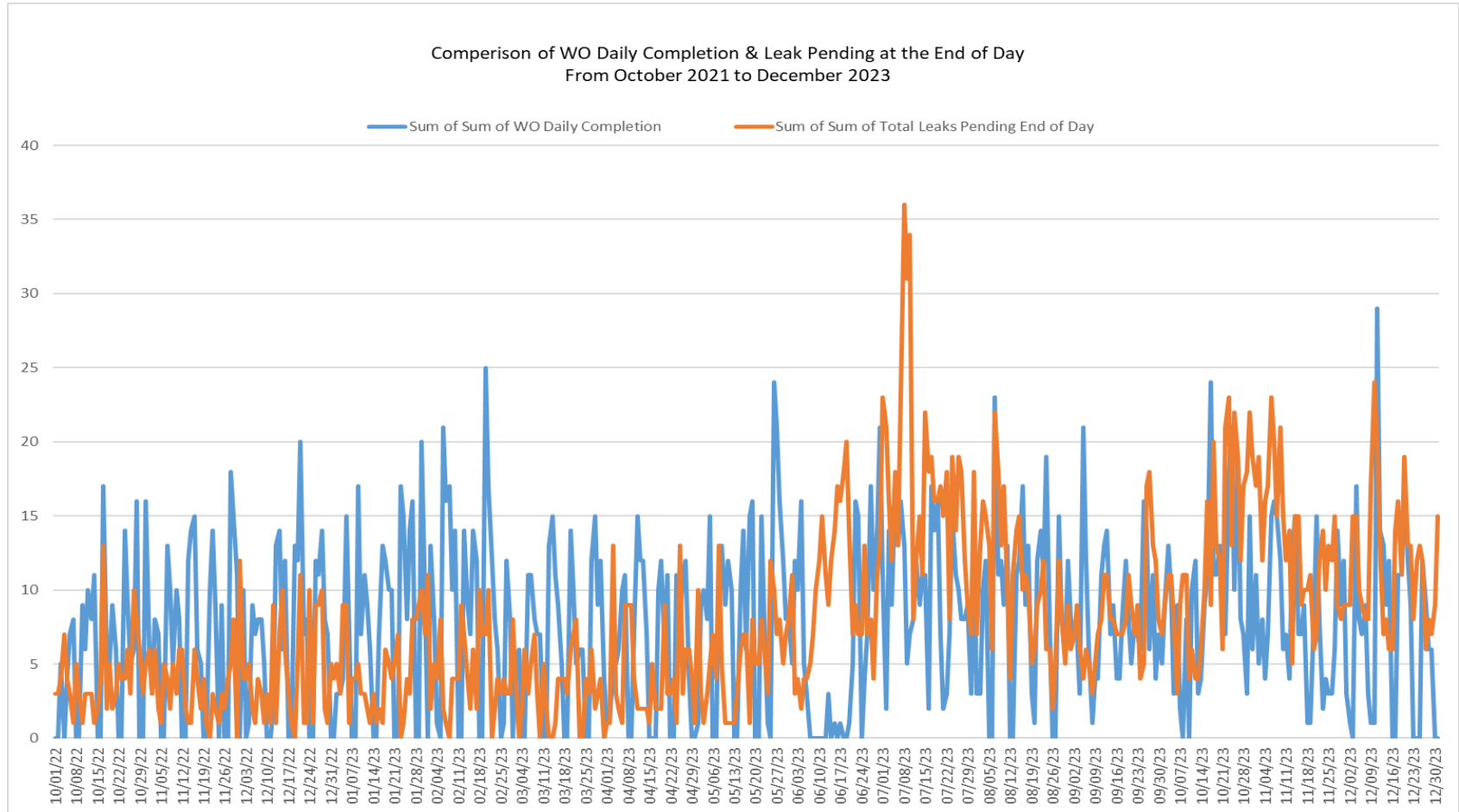


Comparison of Leaks Reported vs. Leaks Repaired (through December 2023)





Daily Leak Repairs (through December 2023)





GWA Financial Overview

DECEMBER 2023





Key Financial Indicators

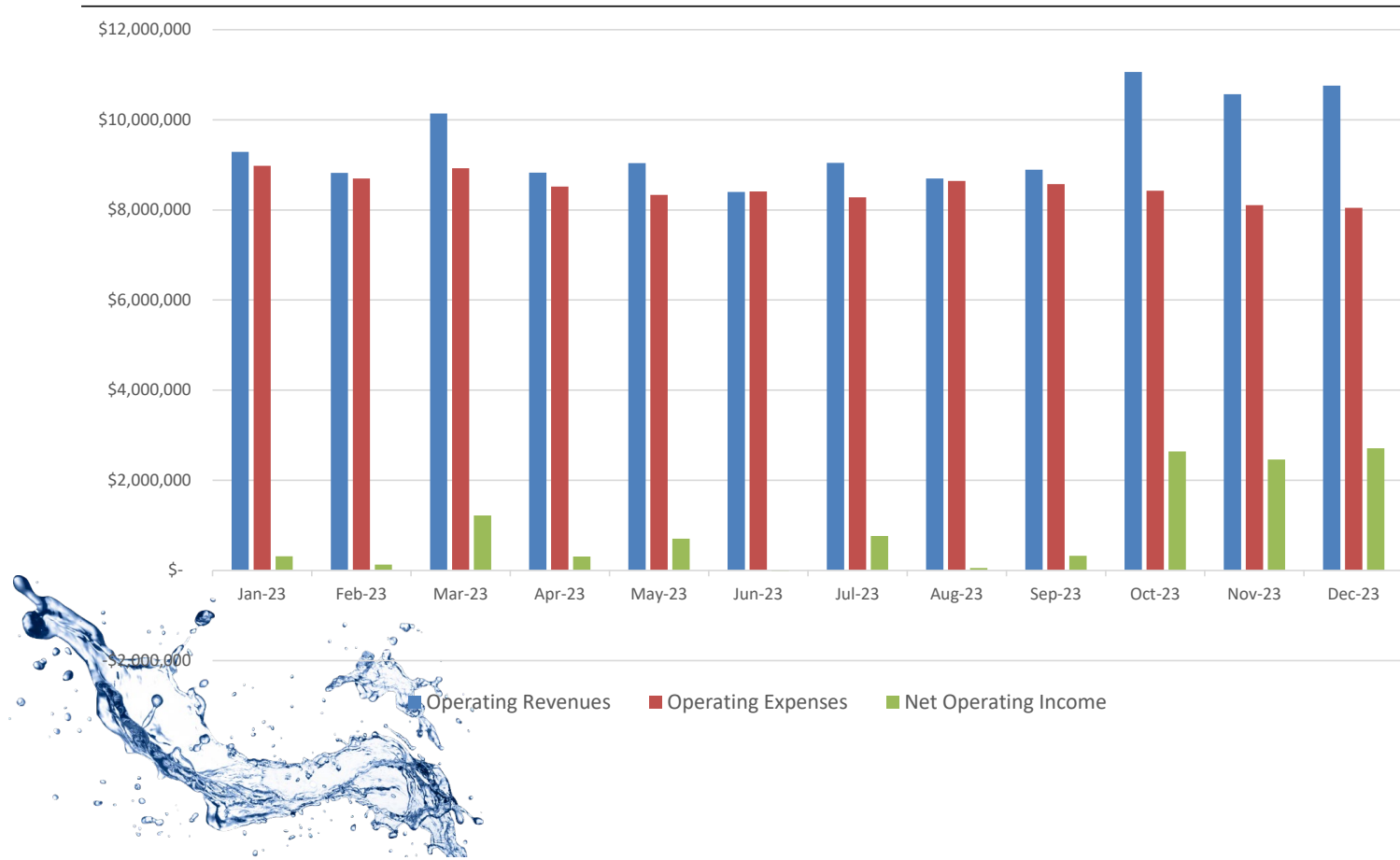
Indicator	Target	Oct-23	Nov-23	Dec-23
DSC YTD				
· Per Section 6.12 of Indenture	1.25	1.51	1.54	1.59
· Per PUC / CCU	1.30	1.51	1.54	1.59
Days - Cash on Hand	120 days	294 days	267 days	271 days
Collection Ratio				
· Month to Date	99%	90%	78%	90%
· Year to Date	99%	90%	84%	86%
Days Billed	30 days	30 days	31 days	29 days
Account Receivable Days	30 days	30 days	37 days	39 days
Account Payable Days	45 days	44 days	40 days	40 days
Employee Count	400 FTE	359 FTE	359 FTE	359 FTE
Water Demand				
· Month to Date	451,933	406,286	424,276	431,731
· Year to Date	1,355,799	406,286	830,562	1,262,293
Wastewater Flow				
· Month to Date	317,500	305,787	303,650	316,817
· Year to Date	952,500	305,787	609,437	926,254
Operations & Maintenance Expense*	\$6,567,186	\$6,014,838	\$5,701,402	\$5,645,143
Water Customers	43,658	43,549	43,565	43,539
Wastewater Customers	30,781	30,901	30,946	31,083

*Excludes depreciation





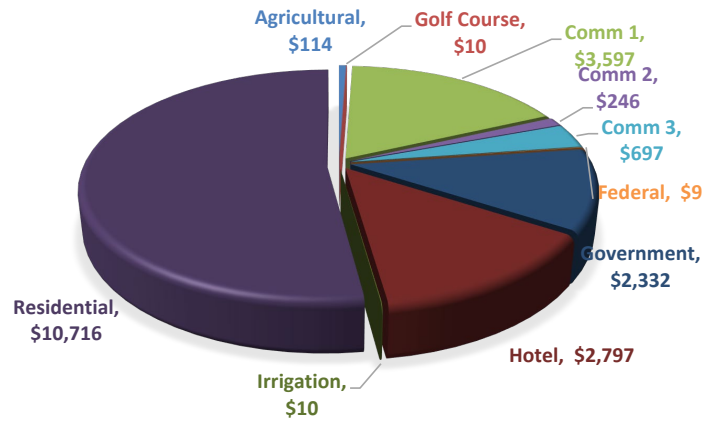
Income Statement



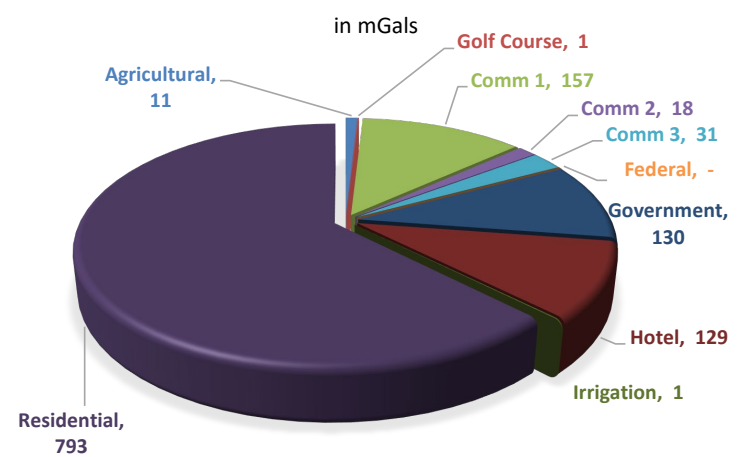
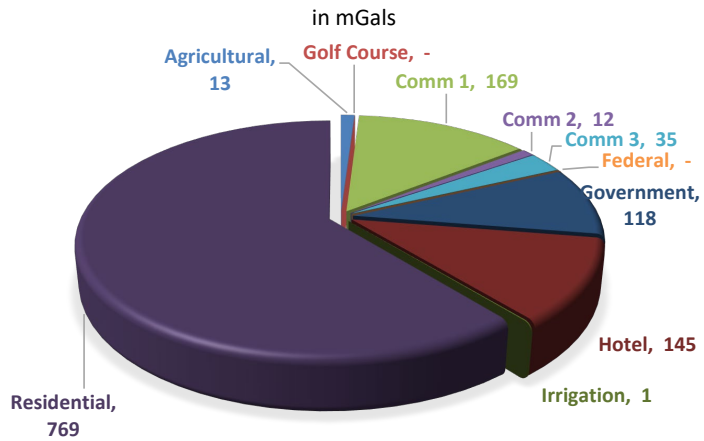
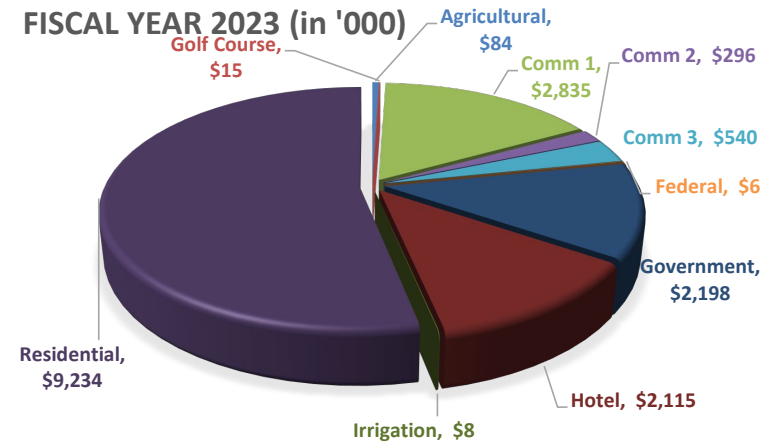


DECEMBER YTD Water Revenue/Demand by Rate Class

FISCAL YEAR 2024 (in '000)



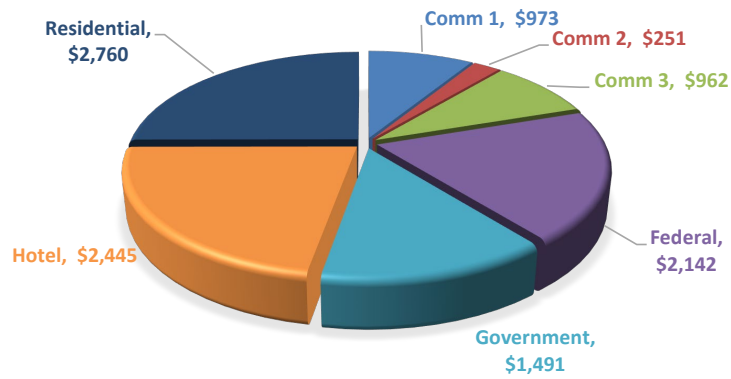
FISCAL YEAR 2023 (in '000)



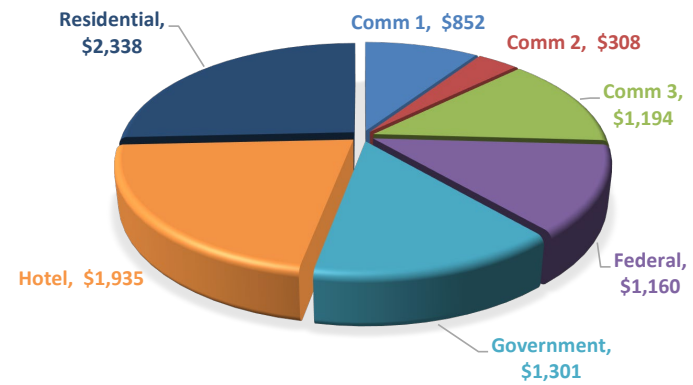


YTD Waste Water Revenue/FLOW by Rate Class

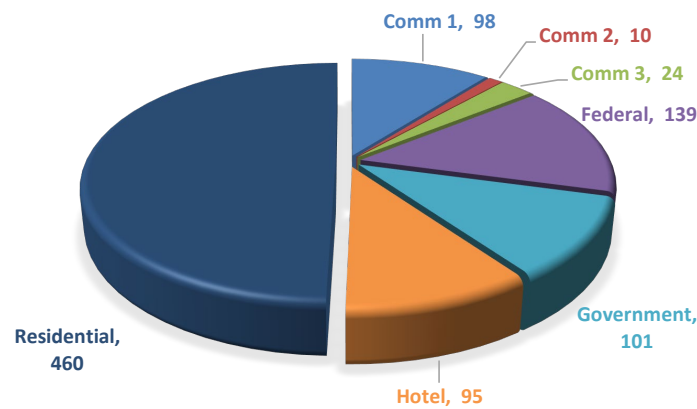
FISCAL YEAR 2024 (in '000)



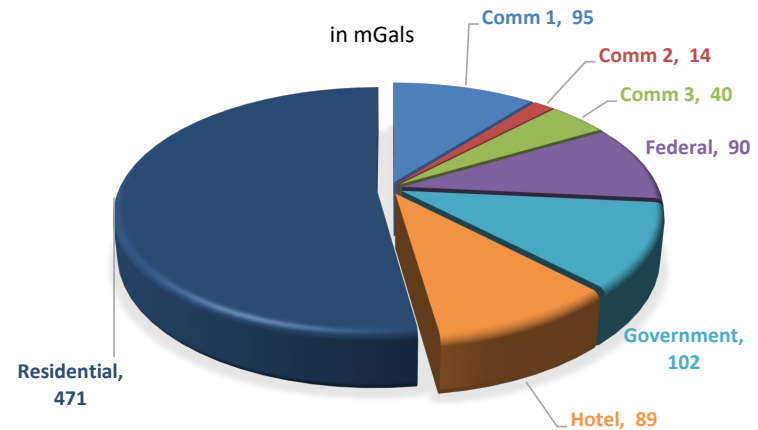
FISCAL YEAR 2023 (in '000)



in mGals

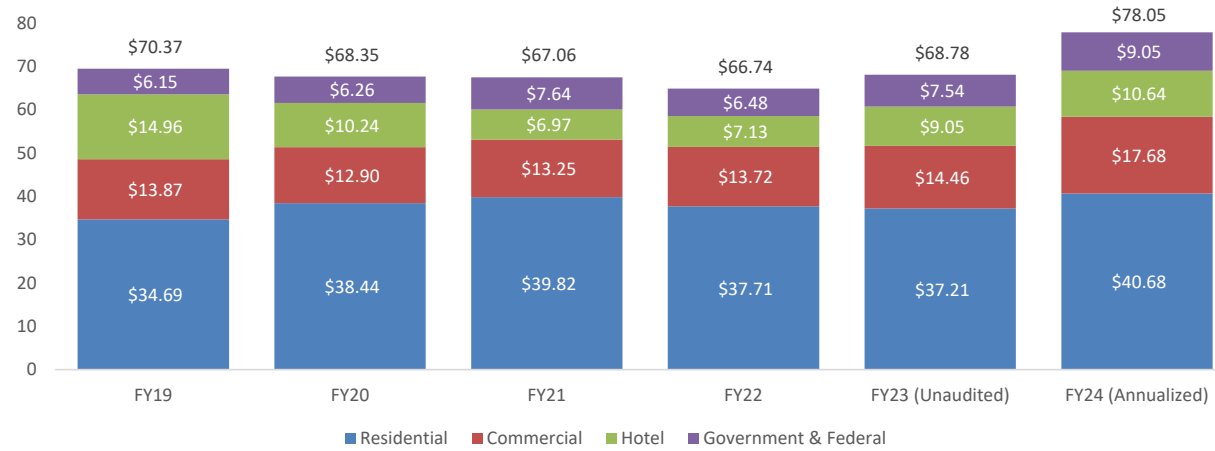
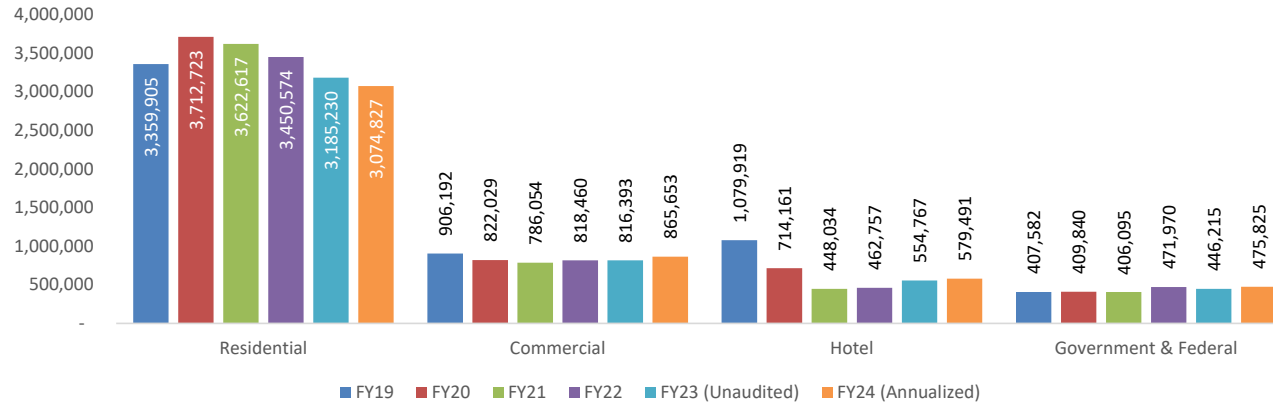


in mGals



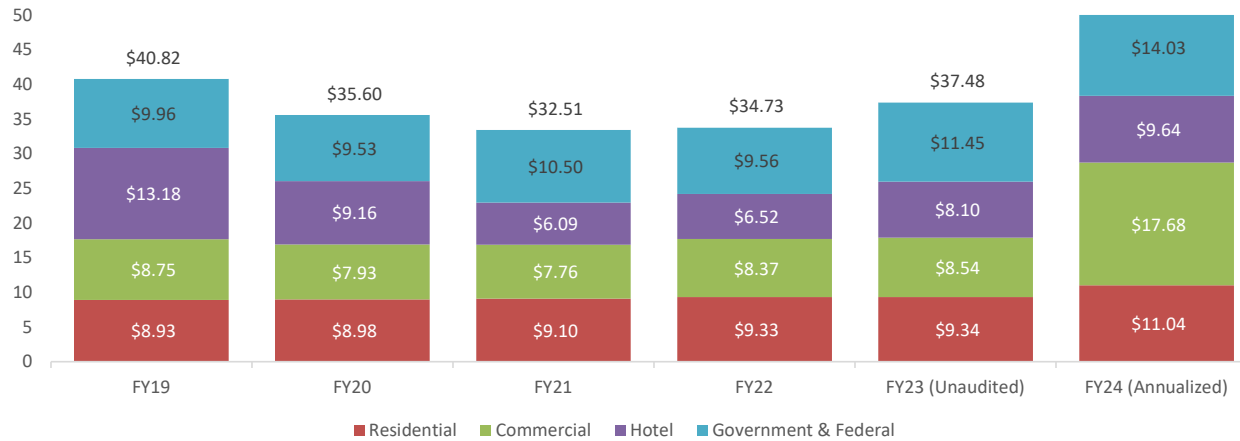
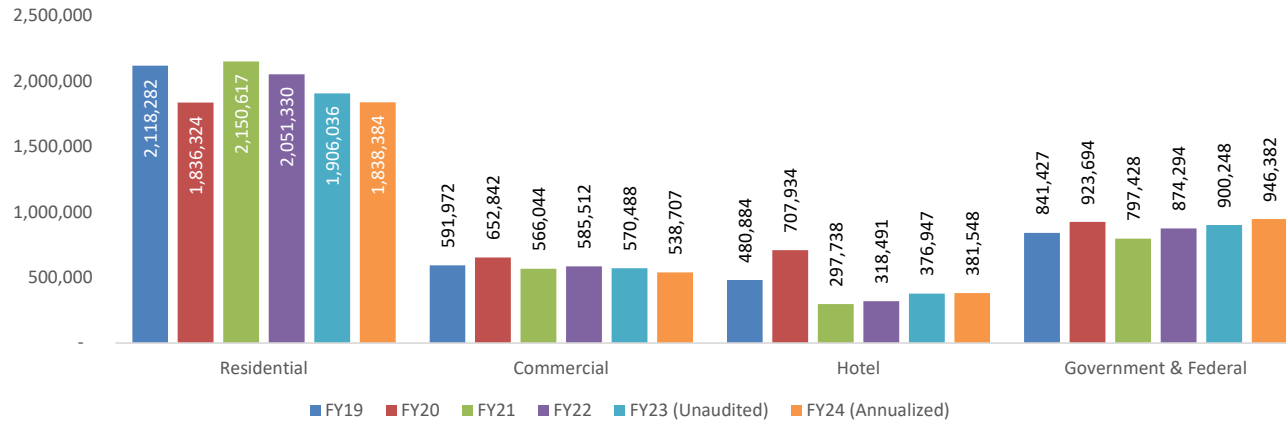


Annual Water Demand and Revenues by Rate Class



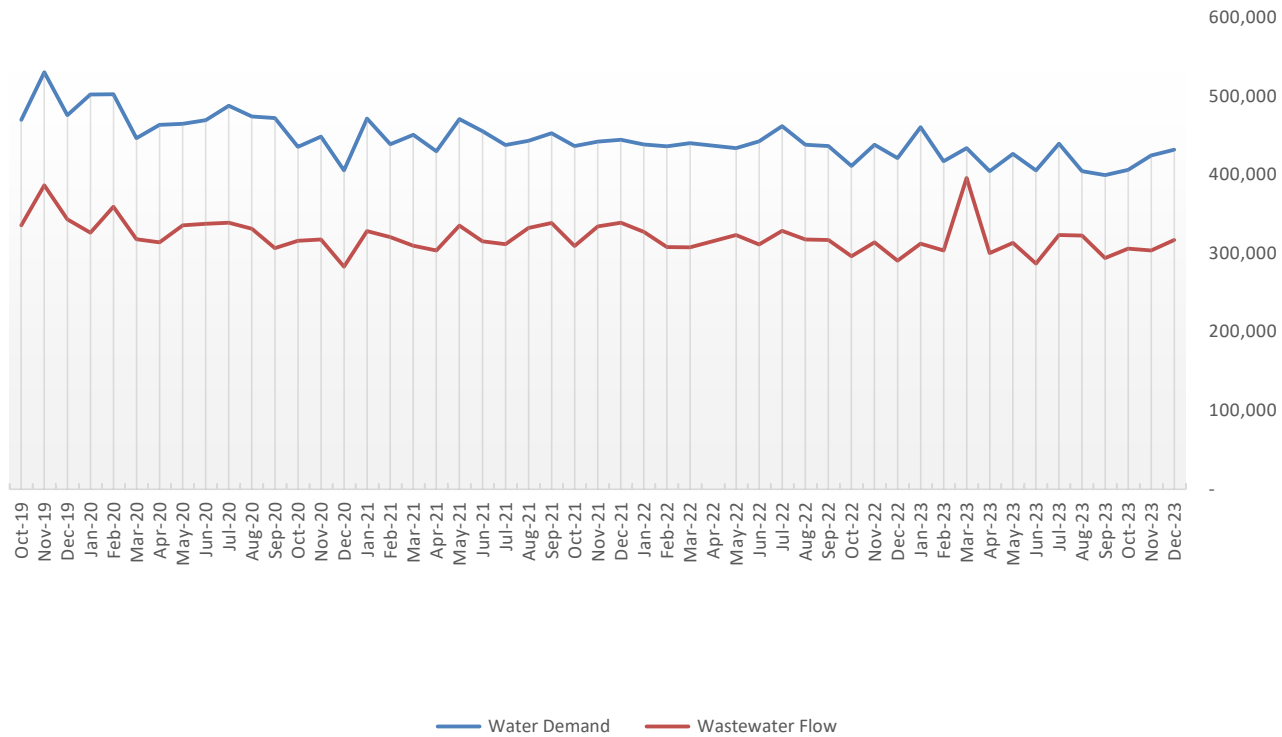


Annual Wastewater Billable Flows and Revenues by Rate Class



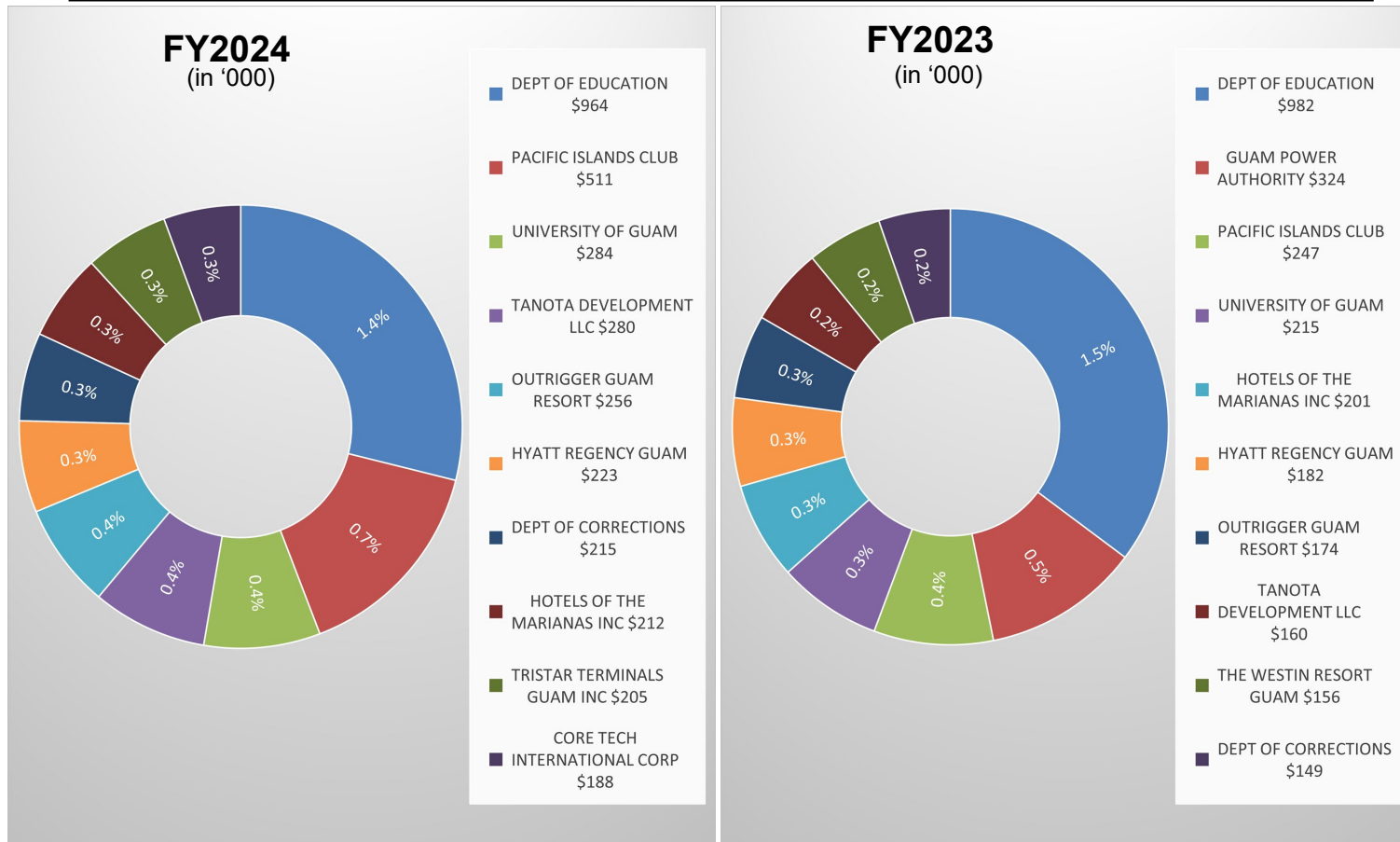


Water Demand & Wastewater Flow – 4 Years



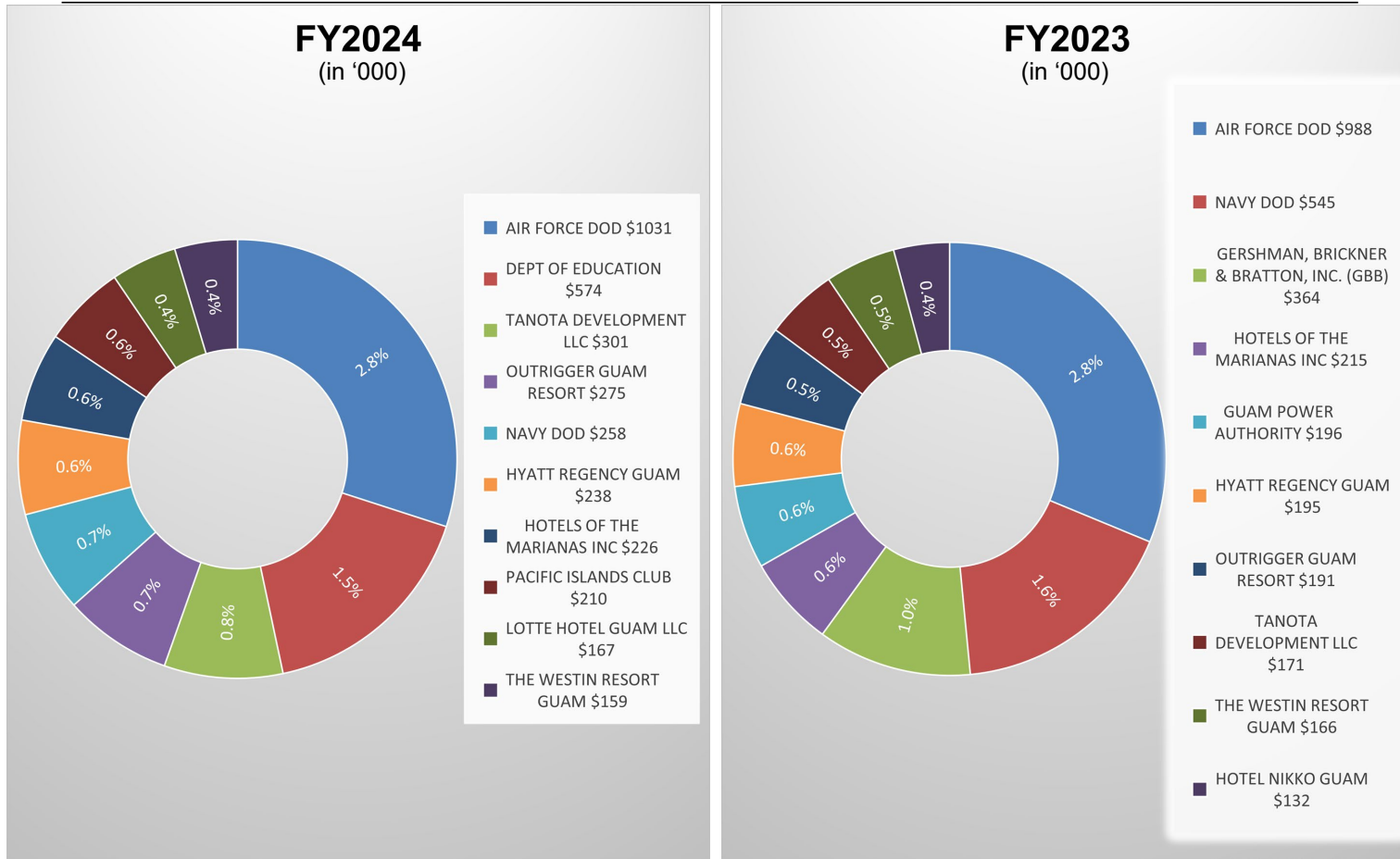


10 Largest Water Customers (DEC YTD)





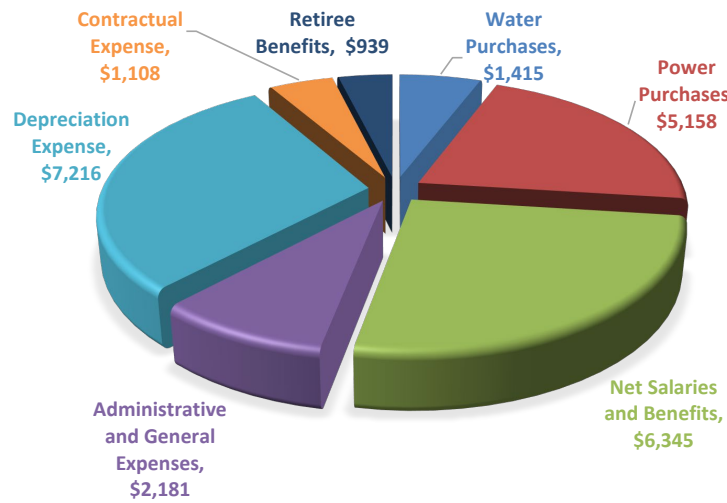
10 Largest Waste Water Customers (DEC YTD)



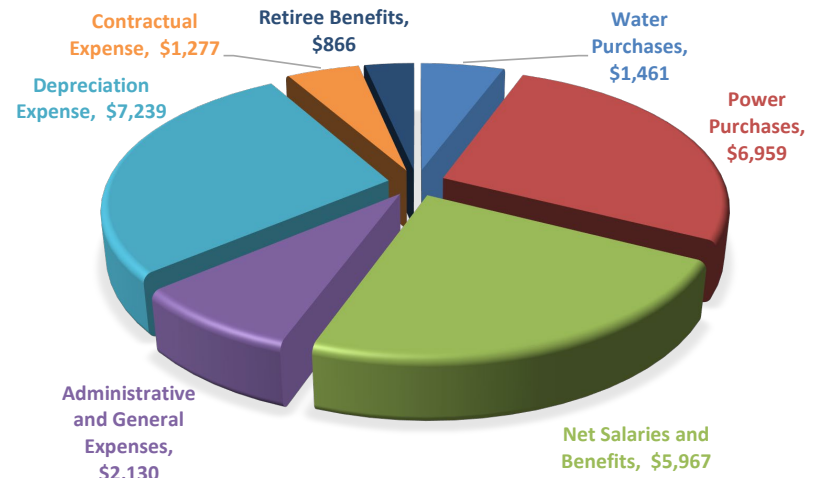


DECEMBER YTD Expenses by Categories

FY2024 (IN '000)

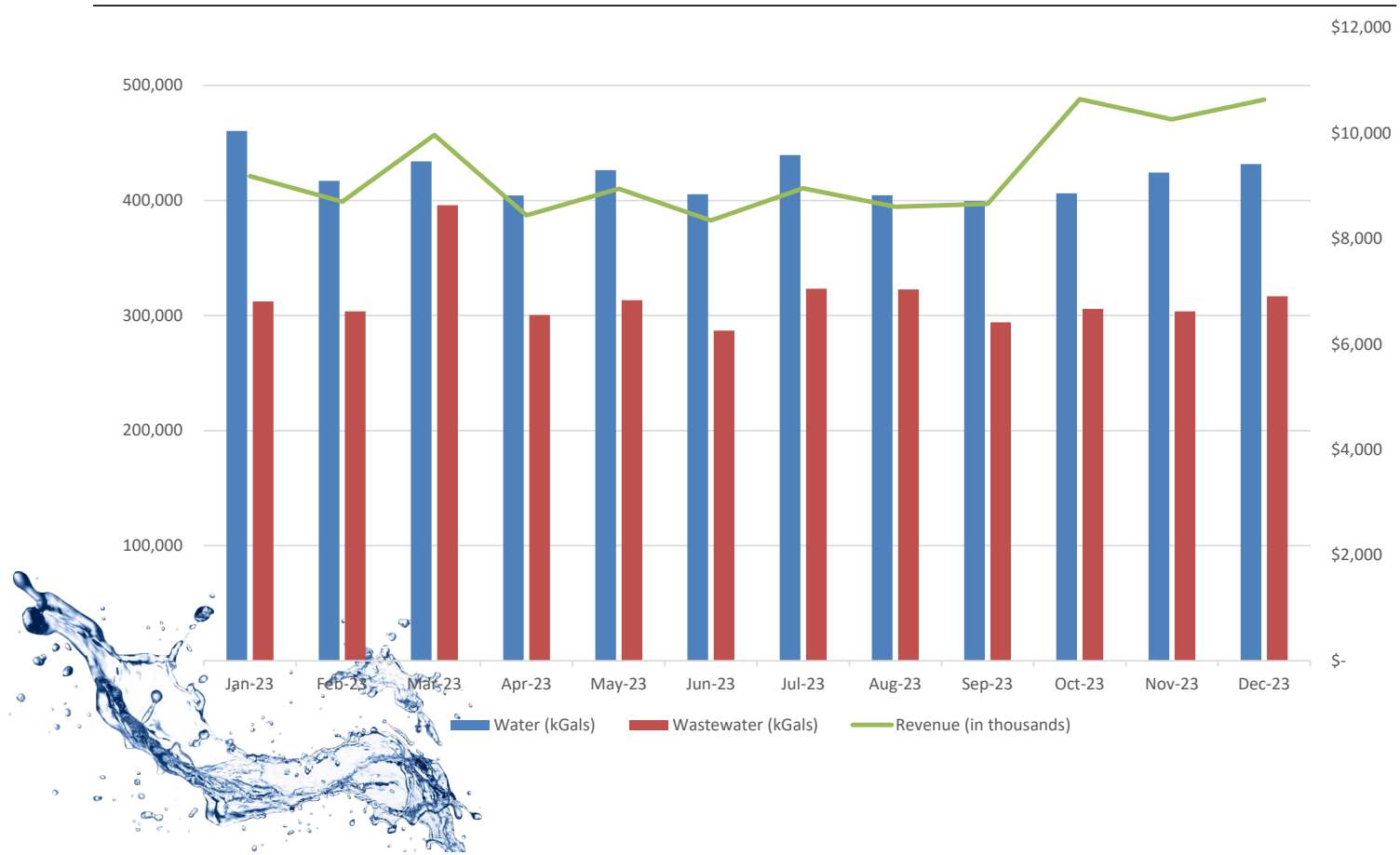


FY2023 (IN '000)



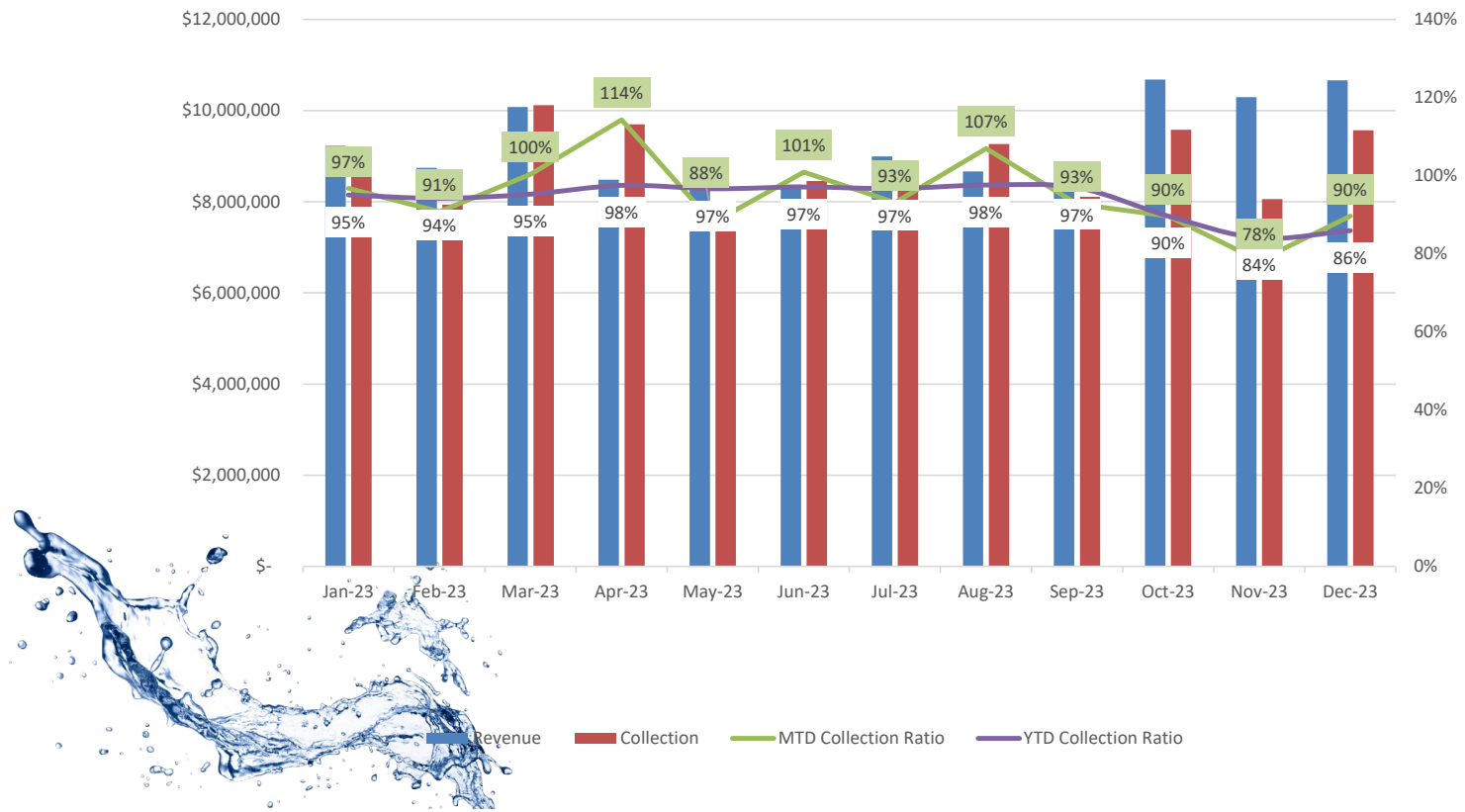


Overall Revenues and Demand





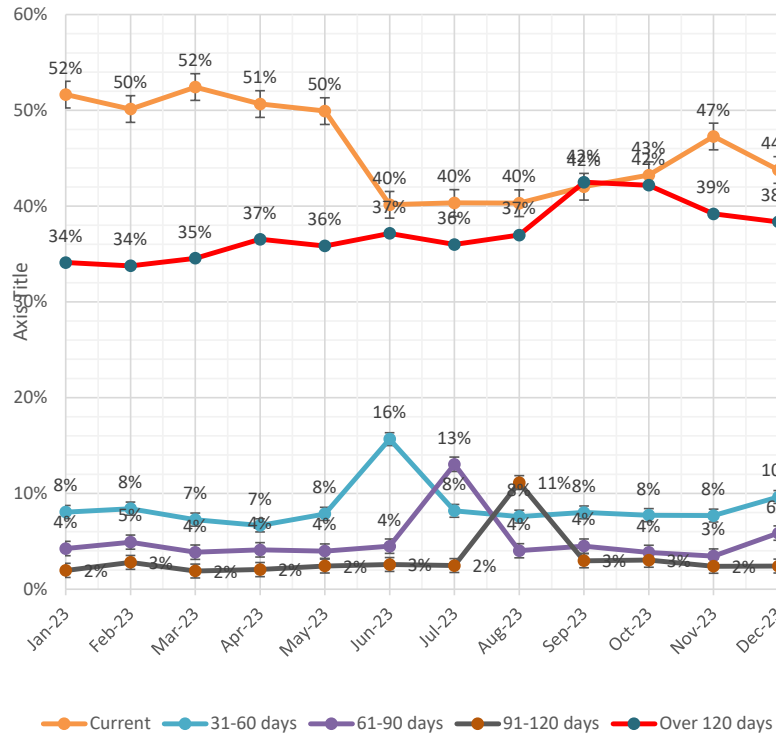
Overall Revenues and Collections



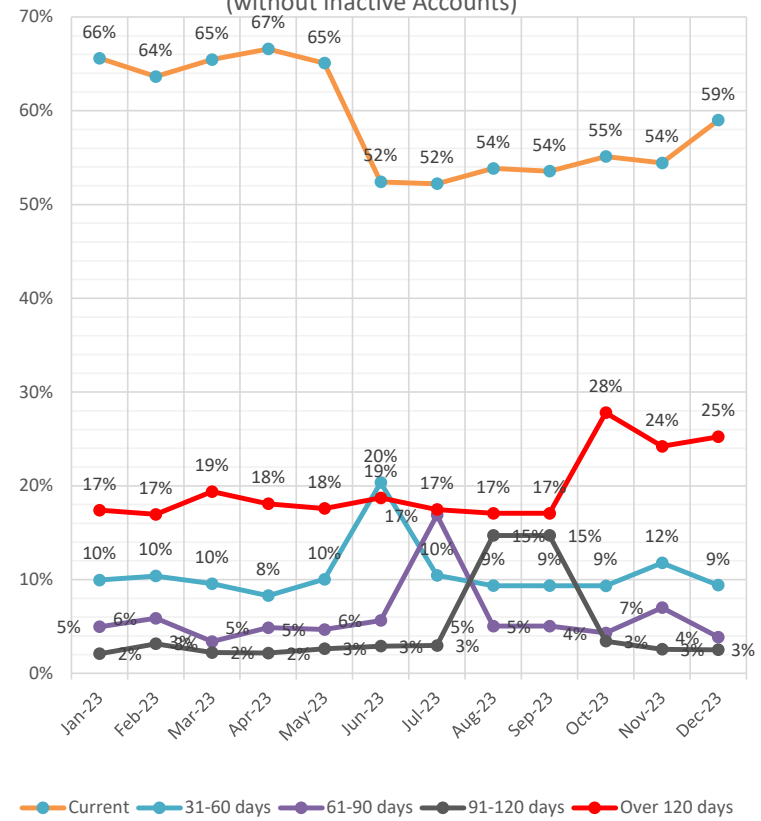


Overall – AR Aging

% of Aged AR Balance to Total AR Balance

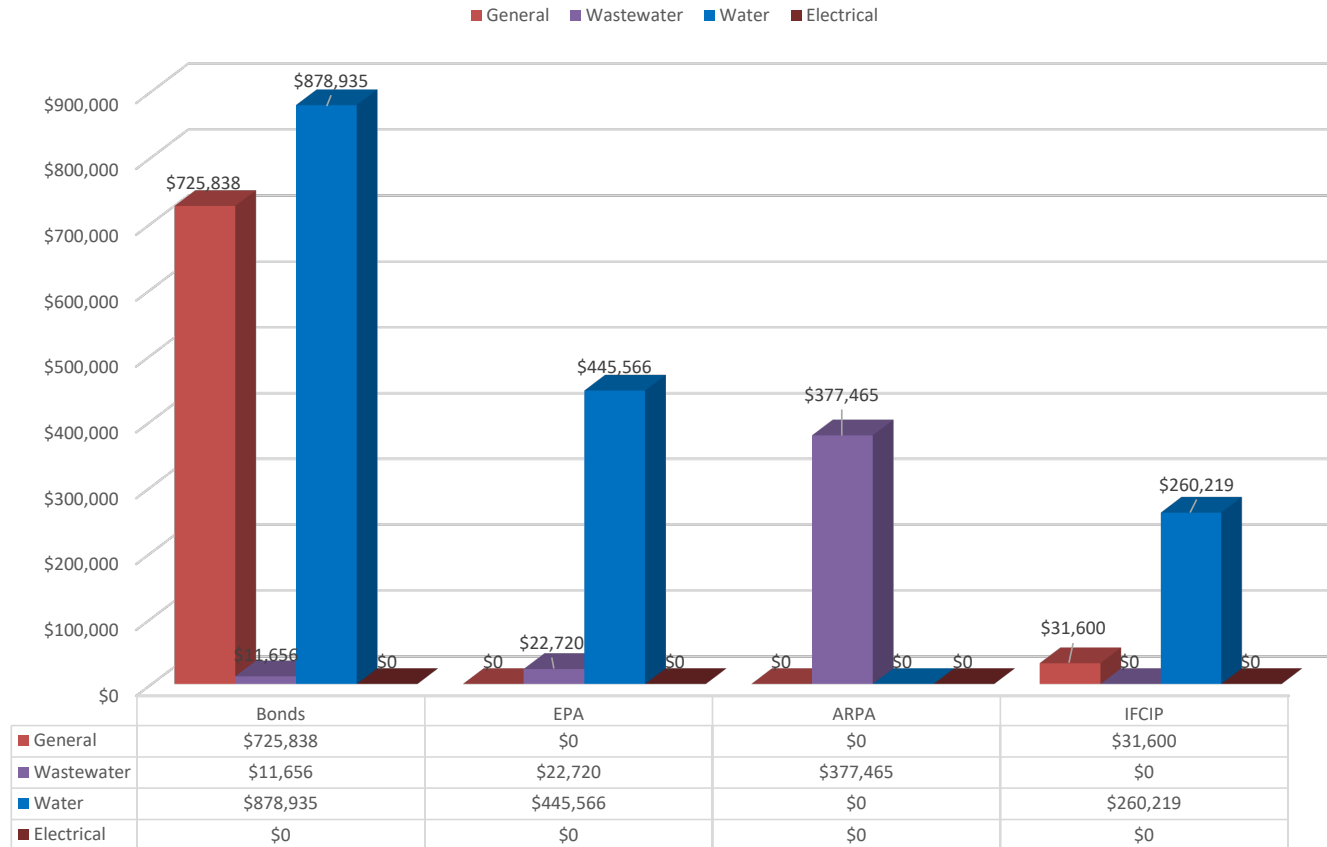


% of Aged AR Balance to Total AR Balance (without Inactive Accounts)

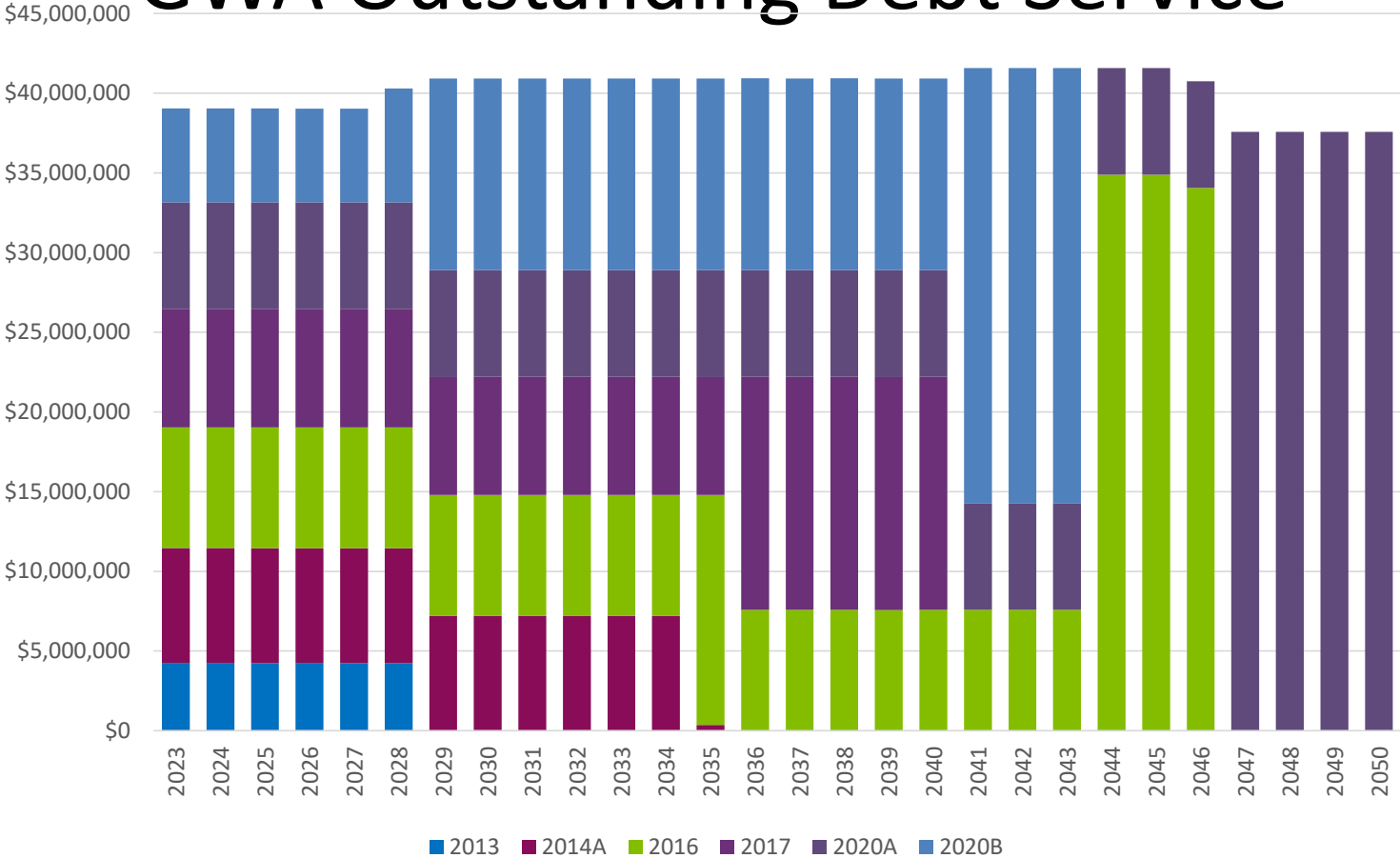




FY2024 YTD CIP Expenditures



GWA Outstanding Debt Service



Source: Guam Waterworks Authority.
 Aggregated by Fiscal Year Ending September 30.



**Engineering Monthly Report
January 2024**

Prepared by:

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

TABLE OF CONTENTS

A.	Capital Improvement Projects (CIP)	1
B.	Permits	6
C.	Geographic Information System (GIS)	7
D.	Land Management	8
E.	Planning	9
F.	CIP Exhibits (COVER PAGE)	10

This Engineering Report summarizes activities for the month of November and December 2023.

A. Capital Improvement Projects (CIP)

TOTAL NO. OF CIP PROJECTS: 52

*Completed projects will be removed from the Engineering Report quarterly

**Projects are in Planning phase and project worksheets are not included here

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	Planning**
B-4	Adacao Water and Sewer Infrastructure Design Services	Design, In Progress

WATER

No. of Projects: 18 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 consists 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
<u>B-5**</u>	Well Abandonment	Planning**
<u>B-6**</u>	Well Rehab A-28, D-15, M-14, F-07	Planning**
<u>B-7</u>	Central Guam Reservoirs	Construction, In Progress
<u>B-8</u>	Design and CM Services for Waterline Replacement of Various Bridges	Procurement
<u>B-9</u>	Pressure Zone Realignment	Construction, In Progress
<u>B-10</u>	Fire Hydrant Replacement Phase 1	Construction, In Progress
<u>B-11</u>	Tai Rd./ S-13 and Canada-Toto Lp./Blas St. Waterline Replacement	Construction, In Progress
<u>B-12</u>	Asan Springs Rehabilitation	Land Acquisition
<u>B-13</u>	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;
<u>B-14</u>	ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement	Procurement
<u>B-15</u>	ID/IQ - Design and CM for Waterline Replacement and Upgrades	Procurement
<u>B-16</u>	ID/IQ - Design and CM Implementation of District Meter Areas	Procurement
<u>B-17</u>	ID/IQ - Design and CM Undersized Waterline Replacement	Procurement
<u>B-18</u>	Santa Rita Springs Rehabilitation	Design procurement pending available funding
<u>B-19</u>	Brigade II Booster Pump Station	Design completed Construction procurement pending available funding
<u>B-20</u>	New Well Construction (AG-10, AG-12, Y-08)	Design, In Progress CM, In Progress
<u>B-21</u>	Northern and Southern Guam Reservoirs	Design/CM/Construction In Progress
<u>B-22</u>	Tank Repair/Bypass	Design/CM/Construction In Progress

WASTEWATERNo. of Projects: **16**

There are fourteen (14) active wastewater CIPs, one (1) drainage/roadway improvement project and one (1) study. Five (5) wastewater CIPs are substantially complete and in operation. Four (4) projects out of 15 wastewater CIPs will meet consent decree conditions for gravity main, force main, and sewer pump station rehabilitation/replacement.

EXHIBIT NO.	PROJECT TITLE	STATUS
B-23	Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II	Construction Completed
		Close-Out In Progress
B-24	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Santa Rita-Talofofo)	CM/Construction Completed
		Close-Out In Progress
B-25	Talofofo Sewer Improvement	Construction Completed
		Project is closed-out
B-26	Tamuning Hot Spots Sewer Line Rehabilitation and Replacement	Construction Completed
		Close-Out In Progress
B-27	Bayside Sewer Pump Station Rehabilitation	Construction Completed
		Close-Out In Progress
B-28	Yigo Sewer Pump Station Flood Mitigation & Facility Rehabilitation	Construction, In Progress
B-29**	Southern Drainage Sewer Line Survey	Planning**
B-30**	Fats, Oil, Grease Receiving Station	Design**
B-31**	Tumon Hot Spots	Procurement**
B-32	Dungca Beach Sewer Line Relocation	Design, In Progress
B-33	Fujita Sewage Pump Station Redundant Force Main	Design, In Progress
B-34	Hagatna Main Sewage Pump Station Redundant Force Main	Design, In Progress
B-35	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	Design, In Progress

B-36	Hagatna Wastewater Treatment Plant Interim Disinfection	Design, Close-Out In Progress
B-37	Aplacho Drainage and Roadway Improvements	Procurement
B-38	Indefinite Delivery-Indefinite Quantity Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement	Procurement

ENGINEERING SUPPORT

No. of Projects: 14

Two (2) water projects have completed construction: Casimiru Waterline Replacement and Reifsnider Street Waterline. One (1) IDIQ task order assessment and design being processed for approval. One (1) water project, two (2) electrical projects and three (3) SCADA projects in planning. The remaining five (5) projects are either in construction or construction procurement 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), Process TO approval
B-39	Casimiru Waterline Replacement	Construction Completed
B-40	Reifsnider Street Waterline	Construction Completed
B-41	Temporary Booster Pump Station Consolacion Street, Asan	Construction, In Progress
B-42	Groundwater Production Meter Replacement	Construction, In Progress
B-43	Ugum Water Treatment Plant Rehabilitation	PM/CM, In Progress Construction, Procurement
B-44	Design-Build of Pago Bay 12-inch Waterline Replacement	Planning
B-45	Current Balancing Unit for Deep Well A-09	Planning
B-46	Deep Well Power Line Conditioner Pilot Project	Planning
B-47	GWA Upper Tumon Warehouse Renovation	Planning
B-48	Rojas Harmon Stormwater Drainage Improvement Design	Procurement
B-49**	SCADA Control Center Phases 1 and 2	** Planning

<u>B-50**</u>	SCADA Water Phase 3	** Planning
<u>B-51**</u>	SCADA Wastewater Phase 4	** Planning

CIP SUPPORT (ALL ENGINEERING SECTIONS)

No. of Projects Supported: **1**

Engineering Division provides support as needed for CIPs owned by other Divisions in the planning, procurement, design or construction phase.

AGM – Compliance and Safety	Compliance Laboratory Dedicated Outside Air Unit (DOAU) Replacements	Engineering Support	Planning
	Support Activity Summary: Assist in the procurement phase. 10/16/2023 Held on-site meeting and walk-through with AGME, FMES and Laboratory Supervisors. Discussed scope, laboratory operations, and DOAU's service and maintenance plan. 10/20/2023 Work identified to be performed by Engineering. .		

B. 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 November and December 2023.

COMPLETED PERMITS

	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Year to date total
Building Permit	19	6	15	29	17	3	2	17	10	22	18	11	169
Occupancy Permit	20	7	3	10	3	5	9	4	7	15	29	5	117
New Installation	18	14	32	24	28	7	13	14	25	25	23	34	257
Sewer Application	15	0	1	2	7	1	2	0	0	3	2	4	37
Sewer Inspection	0	1	0	0	0	0	0	0	0	3	4	6	14
Private Utility Acceptance	0	0	0	1	0	0	0	0	0	0	0	0	1
Relocation of Water Meter	1	0	0	0	0	1	0	1	4	7	3	1	18
Tapping-Water	0	0	1	0	0	1	0	0	12	10	8	8	40
Tapping-Sewer	0	0	0	1	0	1	0	0	0	2	0	2	6
Clearance-Water	61	26	14	14	14	13	1	2	20	15	11	7	198
Clearance-Sewer	0	0	0	0	0	0	0	0	0	17	10	4	31
Highway Encroachment	33	25	14	16	19	4	26	5	5	22	11	8	188
Verification of Utilities	4	8	13	14	7	0	2	6	6	15	16	8	99
Fire Flow Test	0	1	0	0	1	1	1	2	0	1	0	1	8
Schedule Water Outage	0	0	0	0	6	1	2	5	5	0	2	2	23
GPA Utility Clearances	41	10	5	3	4	2	0	2	11	13	8	11	110
GTA Utility Clearances	12	7	3	11	7	6	0	0	1	18	10	14	89

AVERAGE PROCESSING TIME FOR COMPLETIONS (DAYS) FOR THE CALENDAR MONTH OF DECEMBER

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 December 2023 was 25 days. To calculate the average processing time for Building Permits in December 2023, we refer to the Completed Permits table for December 2023, where we find that there were 11 Building permits completed. Each of the 11 building permits ranged from 4 to 71 days to complete. We calculate the average by adding up the total number of days it took to complete each building permit (279 days in total) and then dividing the total by 11, resulting in an average processing time of 25 days. If the average processing time for the month greatly deviates from the previous monthly averages, an explanation is provided.

Description	2023											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit	20	4	11	20	39	16	21	24	18	12	23	25
Occupancy Permit	0	0	0	0	0	0	0	0	0	0	0	76
New Installation	96	54	605	64	90	156	128	95	26	65	48	0
Sewer Application	0	0	0	0	0	0	0	0	0	0	0	0
Sewer Inspection	0	0	0	0	0	0	0	0	0	1	1	0
Private Utility Acceptance	0	0	0	9	0	0	0	0	0	0	0	0
Relocation of Water Meter	19	0	0	0	0	1	0	256	16	31	179	90
Tapping-Water	0	0	8	0	0	3	0	0	3	1	4	3
Tapping-Sewer	0	0	0	183	0	804	0	0	0	1	0	2
Clearance-Water	15	14	14	17	26	32	25	53	14	0	0	0
Clearance-Sewer	0	0	0	0	0	0	0	0	0	0	0	0
Highway Encroachment	0	0	14	0	0	0	0	0	0	0	0	0
Verification of Utilities	14	11	13	17	13	0	15	28	13	30	21	25
Fire Flow Test	0	3	0	0	2	2	57	85	0	37	0	0
Schedule Water Outage	0	0	0	0	1	1	1	1	1	0	0	0

C. Geographic Information System (GIS)

During the months of November and December 2023, the GIS Section concentrated its efforts on Sewer System updates, Water System updates, map request, GIS assistance for upcoming Consent Decrees, Updating the GIS, and GIS Help Desk assistance.

Sewer System Updates

During the months of November and December new sewer lines were added to the system. 11 were gravity mains and eight were force mains. The gravity lines range from 8,10-, 14,18-, and 27-inch lines, while the force mains were 3,4-, and 6-inch lines. All lines totaled 5,141 linear feet.

During this same time 141 lines were edited. Diameters ranged from 3, 4, 6, 8, 10, 12, 14, 15, 16, 18, 20, 24, 27, and 36. 122 are Gravity lines, 15 Force Mains, and four Siphions. The editing information came from Frank Sablan of the CCTV section. All lines totaled 33,692 linear feet.

Water System Updates

During the months of November and December seven water lines were edited. All were Distribution mains and 12 inch in diameter. All lines totaled 1,528 linear feet.

Map Requests

The GIS Section receives request for maps in various forms. The Engineering sections request maps for field work and for customers. The GM's office requested PFO's and PFOA maps during this period.

GIS Assistance for upcoming Consent Decrees

The two Consent Decree projects needing GIS help was the Sewer Force Main rating and Inspection, and the proper updating of the Sewer Gravity Mains.

- The GIS Section had to create a whole new GIS Shape File with the columns needed to fulfill the data for the Consent Decree.
- The Sewer Gravity Mains has to be updated with the field information from the CCTV Crew.

Updating the GIS

In November and December some updates were done to the Sewer and Water geodatabases. This data needs to be uploaded to the Portal as soon as possible. This is usually done on a monthly basis. This information is passed to the rest of the GIS Section, and the Water and Wastewater modeler.

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 will to assist.

D. 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.
	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
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.
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"> A draft Environmental Assessment has been prepared and was submitted to NPS April 28, 2023. NPS provided their comments on September 07, 2023 and are currently being addressed. 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.

E. Planning

Planning Activities December 2023-January2024

1. Grants Application Submissions – Planning wrote, prepared, and submitted the following grant applications:
 - a. FEMA Hazard Mitigation Program
 - i. Purchase of Generators, Power Conditioners, VFDs, and Fuel Storage
 - ii. Warehouse renovations
 - iii. New SCADA control center
 - b. Bureau of Reclamation
 - i. Santa Rita Springs 2023 rehabilitation
 - c. USEPA Overflow and Stormwater Grant Program
 - i. Rojas Harmon Stormwater Drainage Improvement Construction Project
2. FEMA Preliminary Damage Assessments – Planning is responsible for the coordination, preparation and submission of Preliminary Damage Assessments for Typhoon 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 five (5) project:
 - a. Rojas Harmon Stormwater Drainage Improvements Design RFP
 - b. Aplacho Roadway and Drainage Improvements Construction – IFB
 - c. GAC Filter Construction Project
 - d. Gill Breeze Water and Wastewater Design Project
 - e. 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
 - f. 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
 - g. 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
4. 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
5. Special Projects are assigned to the Planning Section to verify the following:
 - a. Ordot Leachate Dye Testing -three day field testing to verify connection
 - b. Smoke Testing-verifying connection to GWA sewer system
 - c. Pipe Locating and Ground Penetrating Radar – conducts various pipe locating missions in order to verify utility locations

F. CIP Exhibits (COVER PAGE)

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 11/13/2023	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	
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: 60% design phase. <ul style="list-style-type: none"> a. Project Engineer: Garrett K.A. Yeoh, 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. AGME identifying fund sources. <ul style="list-style-type: none"> a. Project Engineer: William F. Esteves, Garrett K.A. Yeoh b. TO cost: \$750,000.00
<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 • 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 7/25/23 Task order no. 2 draft was submitted. On 08/01/23 AGME approved to proceed on processing approval. 10/05/23 Attorney approved and returned TO no. 2 with her initials. <ul style="list-style-type: none"> a. Project Engineer: Ernie Villarín 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 11/13/2023	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	06/19/2024	Brown and Caldwell
PM-CM	RFP-04-ENG-2019	06/17/2019	06/14/2024	Duenas, Camacho & Associates, Inc.

ACTIVITIES

<p>Brown and Caldwell Task Orders:</p> <ol style="list-style-type: none"> 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 <p>Duenas, Camacho, and Associates Task Orders:</p> <ol style="list-style-type: none"> 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 CIP

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

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	Rylma Carino	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		
Construction Management				
Construction				

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

ACTIVITIES

The draft request for proposals for design services is under review by planning and AGME.
 Waiting for the confirmation of Tom Konner about the questions about grant conditions and easement or utility is a requirement for a project using federal funds.
 Anticipate procurement advertisement in the end of January 2024

<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 1/3/2024	Mauryn Q. McDonald, P.E.	George J. Watson	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	40%
Construction Management			
Construction			

ACTIVITIES
<ul style="list-style-type: none"> 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 a portion of their property (9/15/23); Confirmed interest, and signed Right of Entry agreement with BME to survey lot. GM signed ROE (9/25/23) Designer surveyed BME site and is preparing survey for property appraisal. Will schedule another meeting in late January with Mangilao Mayor Allan (7/25/23) to update and plan for town hall meeting for Adacao residents in February. Working on time extension request letter for funding. <p>Total ARPA funding from Governor's Office: \$8.7M</p>

B-7 Central Guam Reservoirs W14-006-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
01/04/2024	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		Duenas, Camacho & Associates, Inc.
Construction (Tumon, Chaot, Barrigada)	IFB-09-ENG-2017	2/2/2018	5/2023	AIC International
Construction (Tamuning, Manenggon)	IFB-01-ENG-2023			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	
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	\$34,429,555.00	

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.

Construction Management:

- RFP-01-ENG-2023 Tamuning and Manenggon Reservoirs: Contract signed 07/07/23. Partial NTP issued 09/19/23 to begin project file management set up.

Construction:

- Tumon, Chaot, Barrigada: All tanks completed and in service. Remaining work are electrical, instrumentation, and SCADA at PRV sites. 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: Construction contract under execution. Contractor has signed the contract.
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B-8	Design and CM Services for Waterline Replacement of Various Bridges	W22-08-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
01/05/2024	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			GHD Inc.
Construction				

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

ACTIVITIES

Project reassigned to Jacob Miller. MP-PW-Pipe-12 funds available. Working on budget transfer to reserve funds for Design and CM contract with GHD.

11/22/2023 - The project was turned over to Ernie again, all funding will come from bond money.

11/22/2023 - Internal Budget Transfer Request was sent to AGME for signature. AGME signed.

12/22/2023 - Made some revisions to Jacob's draft comments to EJCDC 505 contract. Additional comments sent to Legal for review.

B-9 Pressure Zone Realignment W18-001-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
01/04/2024	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	8/16/2018	12/2024	GHD, Inc.
CM (Phase 2)	RFP-05-ENG-2022			AmOrient Engineering
Construction (Phase 1)	IFB-07-ENG-2019	4/21/2020	3/2023	Sumitomo Mitsui Construction
Construction (Phase 2)				

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	75%
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	94.0%
Construction (Phase 2)	USEPA-SRF Grant		0%

ACTIVITIES

Design: Phase 3 design at 60%.

Construction:

- Phase 1: Remaining work, includes vault vent installation, PRV commissioning, and punch list items.
- Phase 2: 100% design completed 03/23. IFB package under preparation.

B-10 **Fire Hydrant Replacement Phase 1** **W-19-002-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 8/30/2023	Brian W. Hess, P.E.	Sylvia Y. Mercado	Water
Replacement of 72 each existing old dry barrel fire hydrant with new wet barrel type hydrant at locations in several villages around the island.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	GWA In-House	N/A	N/A	N/A
Construction Management	GWA In-House	N/A	N/A	N/A
Construction	IFB-03-ENG-2019	9/30/2019	02/17/2024 (Tentative)	Mega United, Inc.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	N/A	N/A	100%
Construction Management	N/A	N/A	
Construction	Bond 2016 PW 14-01	\$1,300,645.92	85%

ACTIVITIES

Scope of Work:
 The Fire Hydrant Replacement Phase 1 was bid under an Owner Furnished Contractor Installed (OFICI) contract. GWA will supply the hydrant body, gasket, bolts and nuts to contractor.

Change Order:
 Mega United Change Order No. 05 in the amount of \$78,277.92 was processed and send to accounting for further approval however, engineering is still waiting for the approved copy of the change order.

Project Status:
 Out of the 72 Unit Fire Hydrant, 65 Units are completely installed. The remining 7 Units fire hydrants are under on-going installation.

Out of the remaining 7 Units fire hydrants, one (1) fire hydrant in Barrigada need to be transferred on existing 8" water main which will require a complete installation of new fire hydrant. The water main where this fire hydrant originally tied- in is going to be abandoned as per operation.

One (1) Unit of fire hydrant in Mangilao is in good working condition, operation requested to skip this fire hydrant and swap the replacement on another fire hydrant within the vicinity.

B-11 **Tai Rd./ S-13 and Canada-Toto Lp./Blas St. M19-001BND**
Waterline Replacement

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
01/04/2024	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	100%
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	86%

ACTIVITIES

Tai Rd.: Pending Change Order No. 5 for additional lateral connections.
Toto Canada Loop: Pending Change Order No. 5 for water line connection to Toto-Canada Road.
Taison Rd.: Complete.
Change Order No. 5 is under approval process.

B-12 **Asan Springs Rehabilitation** **W11-003-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
01/04/2024	Brett E. Railey, P.E.	Jacob Miller, Jessey Mendiola	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	USDOI Grant, PW 05-15	\$712,263.00	78%

ACTIVITIES

Design:
 The office of Congressman Moylan will assist GWA by sending letter to NPS seeking assistance to resolve property issues.

Environmental Assessment report under revision by designer – HDR, Inc.

B-13 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
01/04/2024	Brett Railey, P.E.	Ryan Diaz, Garrett Yeoh	Water
The work involves rehabilitating two existing production wells; A-12 and F-03. Existing Wells, A-02 and D-05, are currently not in production, and are included in the work as an additive bid. Other major work involves installing a new standby generator, a new chlorination building, new well equipment, and other site improvements.			

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

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

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

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

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

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

Project on hold until further decision by AGME.

B-14 ID/IQ - Design and CM Asbestos Concrete Pipe for Waterline Replacement W22-05-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
01/04/2024	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			GHD, Inc.

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

ACTIVITIES

CCU Resolution No. 17-FY2023 approved contract for \$5,427,000.00.
ID/IQ 505 Contract under final revisions. A/E working on Task Order 01.

<u>B-15</u>	ID/IQ - Design and CM for Waterline Replacement and Upgrades	W22-04-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
01/04/2024	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 for \$5,973,682.00.
ID/IQ 505 Contract under final revisions. A/E working on Task Order 01.

B-16 ID/IQ - Design and CM Implementation of District Meter Areas **W22-06-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
01/04/2024	Brett E. Railey, P.E.	Garrett Yeoh, William F. Esteves, 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 for \$3,119,377.00.
ID/IQ 505 Contract under final revisions. A/E working on Task Order 01.

<u>B-17</u>	ID/IQ - Design and CM Undersized Waterline Replacement	W22-03-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
01/04/2024	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 approved.
ID/IQ 505 Contract under final revisions. A/E working on Task Order 01.

B-18 Santa Rita Springs Rehabilitation

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
01/04/2024	Brett E. Railey, P.E.	Garrett Yeoh, Jacob Miller	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				
Construction Management				
Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design			
Construction Management			
Construction			

ACTIVITIES
 Design scope of work completed.

 Grant funds are being identified to be used. Pending determination of Bureau of Reclamation grant application.

B-19	Brigade II Booster Pump Station	W11-004-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
01/04/2024	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	98%
Construction Management			
Construction			

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

B-20 New Well Construction (AG-10, AG-12, Y-08)

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
01/04/2024	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-21 Northern and Southern Guam Reservoirs W14-007-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
01/04/2024	Brett Railey, P.E.	Garrett 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	5/23/2015	6/2024	TG Engineers, P.C.
CM (SR, SRI, SIN)	RFP-06-ENG-2017	4/2/2018	4/2023	GHD, Inc.
CM (Ugum No. 2)	RFP-04-ENG-2023			
Construction (SR, SRI, SIN)	IFB-01-ENG-2019	9/30/2019	12/2023	AIC, International
Construction (Ugum No. 2)	IFB-06-ENG-2023			AIC, International

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	PW 09-11	\$3,992,595.20	79%
CM (SR, SRI, SIN)	PW 09-11	\$6,387,678.96	94%
CM (Ugum No. 2)			
Construction (SR, SRI, SIN)	PW 09-03, PW 09-04, PW 09-11	\$27,356,044.61	61%
Construction (Ugum No. 2)	PW 09-11, PW 11-02	\$22,834,768.00	

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 BPS and miscellaneous site work ongoing. Sinifa electrical, control building, and miscellaneous site work ongoing. • Santa Rosa No. 1 and Sinifa No. 1 steel tanks inspected. Santa Rosa No. 1 and Sinifa No. 1 repair scope of work and fee are under negotiations with the Contractor. Cost received is \$3M per reservoir. • IFB-06-ENG-2023 Ugum No. 2 Reservoir: Construction and Construction Management contracts under execution. Construction contract under approval process. Construction Management contact pending NTP.

B-22 Tank Repair/Bypass W19-003-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
01/04/2024	Brett E. Railey, P.E.	Calvin Yam, Garrett Yeoh	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	53.3%

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: Interior painting.
 Malojloj: Bypass completed. Tank will be taken offline for inspection/repair after Pigua repair.
 Umatac Subdivision: Contractor has submitted repair fee. Cost is \$1.5M.
 Santa Ana: 11/21/2023 in service.
 Upper and Lower Nimitz: Demolition of Lower Nimitz completed. New Lower Nimitz tank arrived.
 Pending Change Order for repair of Upper Nimitz.
 Pigua: Dismantling and erection of c-purlins and outer rim of roof interior.
 Kaiser: Installation of strong backs on shell bottom plate for concreting of annular double bottom floor.

B-23 Asan-Adelup-Hagatna Route 1 Sewer Rehabilitation and Replacement Phase II S15-002-EPA

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	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
 Project closed out. Final invoices submitted. Waiting on final documentation to be delivered.

**B-24 Southern SSES Sewer Rehabilitation Phase II S15-001-EPA
(Baza Gardens – Santa Rita – Talofofo)**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Maurn Q. McDonald, P.E.	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, Talofofo, 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

The Draft Final Archaeological Report submitted to the State Historic Preservation Office with a notification that the project is closed. SHPO comments received (11/9/2023) to final report. Comment responses submitted by SEARCH with Final Archaeological Report in December. Final closeout letter also submitted to SHPO (12/29/2023).

Final invoices have been processed.

B-25 Talofoto Sewer Improvement S16-004-EPA

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	Gerald N. Gattoc	Wastewater
Design and Construction of 4 Sewer Lift Stations in the Talofoto village where sewer lines are installed but never completed.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-07-ENG-2016	8/12/2016	5/2020	EMPSCO Engineering Consultants
Construction Management	In-house	n/a	5/2020	GWA
Construction	IFB-07-ENG-2018	12/26/2018	5/2020	Giant Construction Corporation

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	SRF Grant	\$501,092.86	100%
Construction Management	n/a	n/a	100%
Construction	SRF Grant, M 96902617-2	\$2,384,251.28	100%

ACTIVITIES

Construction of the 5 stations and force mains have been completed.

Final invoices have been processed. The project is closed.

<u>B-26</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 1/3/2024	Mauryn Q. McDonald, P.E.	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. A CM change order will be drafted to close the CM contract.

B-27 Bayside Sewer Pump Station Rehabilitation S15-007-BND

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	Rylma Nida A. Carino (CM)	Wastewater
The Bayside Sewer Pump station was operating with a single pump in a manhole, no backup power, and no dial-out or SCADA for real-time reporting of pump or power issues. Rehabilitation includes refurbishment of the wet well, two new pumps with soft starters, a new generator, dial-out capability, and fence repairs.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design	RFP-10-ENG-2016	7/28/2016	5/2023	EMPSCO Engineering Consultants
Construction Management	Internal CM			
Construction	IFB-03-ENG-2020	6/11/2020	5/2023	Sumitomo-Mitsui Construction Co., Ltd.

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	WW 09-01	\$241,125.41	92.55%
Construction Management	N/A		
Construction	WW 09-01	\$931,516.74	100.00%

ACTIVITIES

<p>For Construction</p> <ul style="list-style-type: none"> The project completion on 04/06/2022 was extended to 05/19/2023 due to additional work order (CO#3). The commissioning of generator was on 01/04/2022. Testing and commissioning of the piping system was on 08/17/2022. Substantial Completion certificate issued on 10/25/2022. Punchlist completed on 6/2023. DPW approved the occupancy permit on 10/4/23. Final Change Order executed 12/5/2023 and final invoice paid 12/21/2023 Acceptability of work accepted and was signed. <p>For Design Services</p> <ul style="list-style-type: none"> On 10/31/2023, GWA submitted a notification letter to SHPO that the project will be closed within 30 days. A final Change Order (time extension) was executed on 12/26/2023 GWA will send a final letter to SHPO to inform them the final response to their comments on the Archaeological report was submitted on 11/16/2023 and this project is closed. The final invoice will be processed the beginning of January 2024.

B-28 Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation **S18-001-BND**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	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	97%
Construction Management	Bond 2016 WW 09-01	\$96,754.00	70%
Construction	Bond 2020 MP-WW-Pump-01	\$1,128,129.50	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. 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).

Contractor remaining work: Punch list items, High Level Alarm Panel, float controls, and SCADA. Note, punch list electrical items will require contractor to replace fixtures that do not meet requirements. The High Level Alarm Panel parts or punch list item replacements could possibly delay final closeout if materials are not available.

B-32 **Dungca Beach Sewer Line Relocation** **S20-001-EPA**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	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	2/2024	GHD
Construction Management (CM)				AECOM (ID/IQ)
Construction			2/2024	

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

ACTIVITIES

The design services (including engineering support) original completion date of 6/27/2023 was extended to 2/16/2024 under Change Order #1, which also separates the project into Phase 1 & Phase II.

Phase I- Trankilo Street

- a) 90% submittal on hold, pending CM contract and task order approval to finalize the constructability review.
- b) Final EJCDC 505 agreement template is in final review.
- c) Signature of budget transfer of Task Order 1 on hold, waiting for the approved agreement and Task Order.
- d) GWA modeler continues to model the capacity of the existing Bayside SPS with flows from Agana Bay Condo.
- c) Upcoming Change Order #2 to cover additional work for erosion control along the easement of Bayside SPS and time extension to complete the design services.

Phase II Lagoon Drive

- a) 60% accomplished.
- b) GWA is pursuing purchase of an easement along Lagoon Drive, which is pending discussions with lot owners.
- c) 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. GWA Engineering prepared a letter to follow up with the lot owner this month.

B-33	Fujita Sewage Pump Station Redundant Force Main	S20-003-EPA
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	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	10%
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).

Designer working with Geotech to plan and complete 13 borings along FM route in preparation of new FM design. Archeological monitoring required for boring locations. Archeological Monitoring and Recovery Plan to be submitted to the State Historical Preservation Office by end of January 2024. Boring to be conducted once monitoring plan approved. Tentatively March 2024.

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.

B-34	Hagatna Main Sewage Pump Station Redundant Force Main	S20-002-EPA
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	George J. Watson	Wastewater CIP
Designer to identify redundant force main options for the Hagatna Main SPS and provide design for selected option.			

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	\$603,951.14	35%
Construction Management			
Construction			

ACTIVITIES

Initial design intention: single redundant force main (FM) design using directional drilling and subsequent assessment/rehabilitation of existing FM. 30% engineer of record (EOR) 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).

GWA Engineering drafting letter to request utility easements through Government properties. GM signed letter to Port Authority (6/30/23).

Submitted expanded scope of work of Hagatna Main SPS rehabilitation work to Designer for cost proposal on 3/27/23; met with Designer to review initial scope proposal and discuss thoughts on pivot of design on 7/14/23. Received revised scope/fee for pump station assessment (8/10/23) at \$327K; expecting second revised scope/fee by 10/13/23. 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); pending Finance and GM approval.

B-35	Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	S20-004-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	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	\$114,820.00	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); in processing with Finance as of 9/5/23.
- Met with DCA on 8/17/23 to discuss project path forward on causeway, CO work, and additional scope for to include potential assessment on clarifiers, and bypass mounting on causeway for Hagatna Main SPS. Expecting new scope proposal from DCA in January 2024.

Considering options for causeway rehabilitation.

B-36	Hagatna Wastewater Treatment Plant Interim Disinfection	S19-001-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.		Wastewater CIP
<p>The project is a feasibility and pilot study for the use of an interim disinfection process including development of a proposed feasibility and pilot study work plan, wastewater characterization analysis and effluent quality analysis, dosing and concentration analysis, bench and pilot scale testing, chemical sourcing, transport and storage analysis, and development of detailed technical report documenting the findings and recommendations on the implementation of peracetic acid (PAA) interim disinfection.</p>			

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

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

ACTIVITIES

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

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

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

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

The technical memo for the interim disinfection project will be finalized and the project 1st quarter of 2024.

B-37 **Aplacho Drainage and Roadway Improvements**

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Maurn McDonald, P.E.	Rylma Carino	Wastewater
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.			

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			GWA

PHASE	FUNDING SOURCES	COST	% COMPLETE
Conceptual Design			N/A
Construction Management			N/A
Construction	WW 11 03 2016 Bond	TBD	0%

ACTIVITIES

The project is a joint project between GWA and DPW. DPW will provide design services and GWA will be responsible for the construction and construction management of this project. Upon completion of the project, the drainage system will be turned over to DPW.

1. An invitation for Bid advertised on 9/13/2. Pre-bid meeting and site visit done on 9/26/2023.
2. RFI#1 received. The draft response was forwarded to DPW for their input on the provision of digital traffic control. DPW provided a response. Additional RFIs were received. Draft response to be sent to DPW for review.
3. Scope of work to include additional asphalt restoration
4. RFI submittal deadline extended to 11/3/2023.
5. Bid opening done on 11/20/2023. Two bidders submitted their bids.
6. The GWA Project Manager and Procurement performed a bid evaluation and recommended issuing a Notice of Intent to Award to the lowest and responsive bidder.
7. The Notice of Intent to Award was issued to A & R Pacific on January 2, 2024.
8. The updated procurement documents is in the process of being submitted to the AG's office by January 2024.
9. A resolution for approval of construction contract is on the January 2024 CCU agenda.
10. DPW/GWA MOA drafted and routed for approval. GWA Engineering to follow up with DPW

B-38 Indefinite Delivery-Indefinite Quantity S22-002-BND
 Islandwide Sewer Collection/Transmission
 System Repair, Rehabilitation, and
 Replacement

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 1/3/2024	Mauryn Q. McDonald, P.E.	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
Construction Management	RFP-06-ENG-2022	In Procurement	n/a	
Design/Build Construction				

PHASE	FUNDING SOURCES	COST	% COMPLETE
Construction Management	GWA Bonds, USEPA SRF Grants, SDC	In Procurement	
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.
- Submitted AECOM signed contract agreement to Finance (Legal signed on 3/14/23) for approval, along with TO No. 1 (Legal signed 5/10/23) for approved; both currently processing in Finance.
- Submitted BC signed contract agreement to Legal (6/26/23) for approval, with TO No. 1 in review before sending to BC for signature.
- Both IDIQ Contract Agreements were pending approval of E-505 template to replace the current agreement (E-500). Draft E-505 templates were sent to A/E firms, comments were received and addressed, the latest draft is being reviewed by GWA.
- Working with A/E firms to update TO No. 1 proposal costs with 2024 fees. BC submitted updated fees (1/2/24); pending AECOM. Likely need CCU approval.

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-39	Casimiru Waterline Replacement	W20-003-BND
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REPORT	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 9/08/2023	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
<p>The work to be performed consists of replacing 2,560 linear feet of existing 6-inch asbestos cement pipe along Casimiru Street and Duenas Street with 6-inch PVC pipes. The scope includes installation of fire hydrants, reconnection of existing serve laterals from the old to new waterline, pressure testing and disinfection of new waterline, reconnection of existing PRV from old to new waterline, and asphalt pavement restoration.</p>			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design-Build (Construction)	IFB-07-ENG-2020	2/13/2021	5/30/2022	Giant Construction Inc./ WB Flores Engineers
Construction Management			6/30/2023	GWA

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design-Build (Construction)	Bond 2013 PW 09-03 Bond 2020 PW 09-03	\$644,480.00	100%
Construction Management	In-house		100%

ACTIVITIES	
06/15/2023	Received from Giant as-built drawings both cad file and pdf.
06/28/2023	Received from Giant Invoice No. 5 (Final) for \$35,074.00. Prepared final COP no. 5 and Memo to Acting AGME with information to support approval of final payment. Late submission of acceptable as-built drawings was considered to have little to no impact to the project and commissioning of the waterline replacements.
06/30/2023	Acting AGME signed and submitted the final COP no. 5 to Finance to process payment and project close-out. Construction Project Completed

B-40 Reifsnider Street Waterline

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 9/08/2023	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
The work to be performed includes installation of 760 feet of 2-inch PVC waterline along Reifsnider Street and 160 feet of 6-inch PVC waterline crossing Murray Street and connecting to existing 6-inch waterline along Saltan Street.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design-Build (Construction)			4/2023	GWA
Construction Management			4/2023	GWA

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design-Build (Construction)	Internally Funded CIP	\$45,799.56	100%
Construction Management			100%

ACTIVITIES

02/28/2023	Installation of 6-inch waterline crossing Murray Street was completed, including tie-in to existing 6-inch waterline at Saltan street. Remaining work are 2-inch waterline connection to new 6-inch waterline, pressure testing and disinfection of new waterline, installation of water meter for the complaining resident(s), and asphalt pavement restoration.
03/30/2023	The 2-inch waterline connection to 6-inch waterline and the remaining 2-inch waterline crossing the pavement to location of new water meter were completed. Pressure testing and disinfection of new waterline expected to be completed 4/15/2023.
04/03/2023	Permit section needs to notify Mr. Cruz to apply for water meter connection.
04/15/2023	Disinfection and testing of new waterlines completed.
05/10/2023	Restoration of road a.c. pavement at Reifsnider Street was completed. Restoration road a.c. pavement at Murray Street is still pending.
08/12/2023	Restoration of road a.c. pavement at Murray Street completed. In-house construction completed.

B-41 Temporary Booster Pump Station Consolacion Street, Asan WOP-01-2022

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 01/03/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
This project intends to provide, in the interim, a temporary booster station that will supply adequate water pressure to customers located in the upper elevations of Consolacion Street, Asan. The ongoing CIP projects that will address this water pressure problem will take a couple of years to complete.			

PHASE	PROCUREMENT NO.	CONTRACT DATE	EXPECTED COMPLETION	FIRM
Design-Build (Construction)			03/29/2024	GWA
Construction (Electrical)			9/30/2023	R&E Builders, LLC
Construction Management			12/31/2023	GWA

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design-Build (Construction)	Internally Funded CIP	\$38,771.89	85%
		24,950.00	5%
Construction (Electrical)		\$49,999.00	100%
Construction Management			

ACTIVITIES	
08/31/2023	Awaiting GPA to connect power and meter, and GEPA's approval of the test results to startup, test and commission the Asan booster pump station.
09/01/2023	DPW Inspector conducted a site inspection.
09/05/2023	DPW Building Official approved the electrical installation.
09/12/2023	GPA installed a meter and completed power connection to the booster pump station.
09/13/2023	GEPA approved the water quality test result as meeting the bacteriological standards.
09/15/2023	GWA startup and activated the booster pump station.
	GWA installed two pressure loggers to collect pressure data at the lowest and highest elevations on Consolacion Street.
09/20/2023	Pressure loggers removed. Based on data collected, customers at lower elevation were receiving high pressure (90 to 110 psi). Installation of pressure relief valves for these customers was recommended. Customers at the upper elevation of Consolacion Street were receiving pressure ranging from 42 to 65 psi. Low pressure is no longer an issue.
10/31/2023	The temporary booster pump has been in operation since its installation on 09/15/2023. The designed package-booster pump system is expected to arrive between last week of December 2023 and first week of January 2024. After arrival the temporary booster pump will be replaced with the designed package-booster pump system.
01/02/2024	Supplier inform GWA that the duplex booster pump system is ready to be shipped from

01/03/2024	<p>the factory. However, he noticed the influent/effluent piping did not appear correct. Supplier will contact the manufacturer.</p> <p>Manufacturer made corrections to address the flow orientation issue. GWA Engineer reminded the Supplier to include a 26-gallon tank in the shipment. Supplier acknowledged and will contact the manufacturer to include the tank and dome light accessories. ETA is 4 to 6 weeks or not later than the week of February 19, 2024. Replacement of the temporary booster pump with the new packaged duplex pump system will be performed by GWA. The revised expected completion date is March 29, 2024.</p>
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B-42	Groundwater Production Meter Replacement	W19-001-BND
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 01/05/2024	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

06/30/2023	Activities leading up to June 30, 2023 are briefly described in prior monthly reports.
07/04/2023	Contractor submitted an invoice to pay the remaining balance of the contract amount less retainage of 5%. Contractor agreed for GWA to retain 5% to recover any cost incurred in event the Contractor failed to correct issue(s). No less than 1 meter and 7 meter electronic boards failed. Contractor had replaced 1 meter and 3 meter electronic boards. Remaining 4 electronic board replacements are pending.
08/31/2023	Contractor/Supplier inform GWA that the remaining 4 electronic transmitters are scheduled to leave USA factory on 9/13/23, shipping is estimated between two to three weeks. Project remains open to address issues found on the meters installed.
09/21/2023	Electronic transmitter shipment arrived. Installer is not available until 10/05/23. Tentative installation schedule is 10/09/23.
10/12/2023	The led screen and electronic transmitter in well F-06 were replaced and issues fixed. The led screens for wells A-08 and A-15 were replaced and issues fixed. Meters in wells M-05 and M-17A are indicating low battery level.
10/19/2023	Giant ordered replacement batteries and waiting feedback from Endress Hauser on estimate delivery date.
12/30/2023	Ordered batteries has not arrived as scheduled. Contractor following-up

B-43 Ugum Water Treatment Plant Rehabilitation W22-10-BND

UPDATE	SUPERVISOR	PROJECT ENGINEERS	SECTION
As of 01/05/2024	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	7/6/2021	4/2022	Duenas, Camacho and Associates, Inc.
Construction Management	Task Order No. 3 IDIQ PM/CM			Duenas, Camacho and Associates, Inc.
Construction	IFB-05-ENG-2023			

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	0%
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

09/26/2023	Activities leading up to Sept 26, 2023 are briefly described in prior monthly reports.
09/27/2023	GWA responded to Sumitomo’s submittals stating that the performance and payment bonds are acceptable but the insurance submittal was not acceptable. Some Insurance coverages did not meet GWA insurance requirements. Upon receipt, Sumitomo requested a meeting to discuss the insurance issues.
09/08/2023	PUC approved GWA petition to award the contract.
09/29/2023	Meeting was scheduled on 10/05/2023 at 1:00 p.m. at GWA Engineering Division.
10/12/2023	Conducted site visit of Ugum River Intake with DCA and discussed additional work including river dredging/intake cleaning and access road paving.
10/30/2023	Meeting with DCA and discussed additional work. DCA was advised to submit their recommendations including fee proposal for GWA evaluation.
10/31/2023	Awaiting on Sumitomo (lowest bidder) to resubmit insurance documents to meet GWA insurance requirements.
11/28/2023	Sumitomo has complied with insurance requirements.
11/30/2023	Request to award memo was sent to GM for signature.

12/05/2023	GM signed the request to award memo.
12/12/2023	Sumitomo Construction signed the contract.
12/20/2023	DCA submitted fee proposal re-paving of access to river shoulder. Fee proposal under review.
12/30/2023	Contract and supporting documents are being prepared for transmittal to Legal for review.

B-44	Design-Build of Pago Bay 12-inch Waterline Replacement	12303
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 01/05/2024	Barbara Ann C. Cruz, P.E.	Ernesto L. Villarin	Engineering Support
<p>The project will complete the conceptual design prepared by GWA Engineering, structural integrity assessment of the bridge wall that will support the replacement waterline, installation of 12-inch ductile iron waterline including pipe supports, pressure testing and disinfection of new waterline, reconnection to existing waterlines, asphalt pavement restoration, disposal of existing damaged 12-inch waterline, and condition assessment of existing 16-inch waterline hanging under the Bridge.</p>			

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

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

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

B-45 Current Balancing Unit for Deep Well A-09

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 01/05/2024	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	This project is on hold.
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-46 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.
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B-47 GWA Upper Tumon Warehouse Renovation 42102

UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 01/05/2024	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	
06/30/2023	Activities leading up to June 2023 are briefly described in prior monthly reports.
07/11/2023	Project is broken down into 2 phases: Phases I and II. Phase I is the scope of work in the Emergency Procurement. Scope of work, plans, cost estimate and technical specifications for Phase I were completed. Phase II is intended to complete the remaining renovation work. Phase II scope of work is the original scope plus mitigation work to correct damages due to Typhoon Mawar less Phase I.
08/01/2023	Phase I Emergency Procurement was issued by Procurement Division. Deadline to receive proposals was August 1, 2023. Procurement received two proposals from contractors, one was \$793,237.46 and the other was \$1,282,490.47. The bid proposals were evaluated.
08/30/2023	Supply Management Administrator advised that Phase I Emergency Procurement may not be able to move forward. In a statute of the procurement law, emergency procurement and construction must be completed within 90-days after the Governor signs an EO. Engineering sent a request to Legal Counsel for clarification.
09/08/2023	Per AGME this project and the Customer Services Center and Information Technology Renovations Upper Tumon project (CSC & IT Reno Upper Tumon) will be combined as one project. Larger projects will likely get more competitive price bids.
10/20/2023	GWA submitted a Notice of Interest (NOI) to apply for grant funding in the amount of \$5,850,000 under the Hazard Mitigation Grant Program (HMGP). The grant project scope is to harden and replace the existing steel framed warehouse to a pre-cast concrete warehouse. If FEMA determines that the project qualifies for grant, GWA will submit a completed full grant application needs by December 15, 2023.
11/28/2023	Draft Project Narrative for Hazard Mitigation Grant Program was sent to Grant Section.
12/12/2023	Representatives from Guam OHS and FEMA met with GWA Grants and Engineers and discussed the HMGP process. GWA was informed that if we applied and received fund

from Public Assistance Program Mitigation for the repair of typhoon damage, GWA will not be entitled for HMGP.

B-48	Rojas Harmon Stormwater Drainage	42306
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UPDATE	SUPERVISOR	PROJECT ENGINEER	SECTION
As of 01/08/2023	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	pending	n/a	n/a

PHASE	FUNDING SOURCES	COST	% COMPLETE
Design	SO-98T45501-01	\$1,000,000.00	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 and GWA is currently negotiating price.



Financial Statement Overview November 2023

Key Financial Indicators

Indicator	Target	September 2023	October 2023	November 2023
DSC YTD				
• Per Section 6.12 of Indenture	1.25	1.32	1.51	1.54
• Per PUC / CCU	1.30	1.32	1.51	1.54
Days – Cash on Hand	120 days	271 days ¹	294 days	267 days
Collection Ratio				
• Month to Date	99%	93%	90%	78%
• Year to Date	99%	97%	90%	84%
Days Billed	30 days	31 days	30 days	31 days
Account Receivable Days	30 days	35 days	30 days	37 days
Account Payable Days	45 days	30 days	44 days	40 days
Employee Count	400 FTE	356 FTE	359 FTE	359 FTE
Water Demand				
• Month to Date	451,933	399,479	406,286	424,276
• Year to Date	1,355,799	5,062,012	406,286	830,562
Wastewater Flow				
• Month to Date	317,500	294,046	305,787	303,650
• Year to Date	952,500	3,753,719	305,787	609,438
Operations & Maintenance Expense*	\$6,567,186	\$6,153,810 ¹	\$6,014,838	\$5,701,402
Water Customers	43,978	43,658	43,549	43,565
Wastewater Customers	27,304	30,757	30,901	30,946

*Excludes Depreciation

¹Sep23 Updated (subject to change at final audit)

Water and Wastewater Consumption

Water consumption and wastewater flows are 3% less for the month of November compared to last year. The decrease in water demand was due to decreases in Residential and Government of Guam; reductions in wastewater flows for Commercial 3 customer class also contributed to the overall decrease in wastewater flows. We continue to see increases in the Hotel Customer Class. Billing days in November this year were 31 days compared to 29 days last year.

Year-to-date water consumption decreased by 2% while wastewater flows were about the same as year-to-date consumption for November 2023. Reductions in residential and Government of Guam water consumption overtook increases in the Hotel and certain commercial customers classes. Year-to-date billing days were 2 days more than the same period last year.

Year to date average daily water consumption (ADC) as of November 2023 of 13,616 kgals is 5% less than year to date ADC as of November 2022's 14,395 kgals. Decreases in the Government of Guam and residential customer classes largely drove the reduction in ADC.



Balance Sheet (Schedule A)

- Total Assets & Deferred Outflows of Resources of \$1.220B in September 2023 increased by \$7.3M or 1% to \$1.227B in November 2023. Current Assets increased by \$4.4M primarily due to increases in accounts receivable and prepaid expenses. Property, Plant and Equipment decreased by \$3.5M due to increases in depreciation. Other Noncurrent Assets increased by \$6.8M due to increases in investments.
- Liabilities & Deferred Inflow of Resources of \$886.1M in September 2023 increased by \$4.4M or less than 1% to \$890.6M in November 2023 primarily due to increases in Interest Payable.
- Accounts Receivable days in November increased to 37 days from 30 days in October. Accounts Payable days decreased to 40 days in November compared to 44 days in October. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Note there will be a large downward adjustment to the GDOE receivables; once that is made, the collection ratio and accounts receivable days should improve. Schedule J reports Accounts Payable Aging.

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

- Total Operating Revenues for November 2023 of \$10.6M is \$263K less than the budget of \$10.8M. November 2023 Total Operating Revenues are 11% or \$1.0M more than November 2022's \$9.5M. Note there was a rate increase of 16.7% effective October 2023.
- Year-to-date Operating Revenues as of November 2023 of \$21.6M were \$28 thousand or about the same as budgeted. As compared to last year, Year-to-date Operating Revenues were \$3.3M more.
- 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	\$9,112,124	43.57%	\$7,778,800	43.72%
o Commercial	4,391,436	21.00%	4,072,783	22.89%
o Hotel	3,432,267	16.41%	2,696,016	15.15%
o Government of Guam	2,468,837	11.80%	2,315,983	13.02%
o Federal Government	1,421,856	6.80%	861,727	4.84%
o Agriculture, Golf Course, Irrigation	87,038	.42%	68,428	.38%
TOTALS	\$20,913,559	100%	\$17,793,736	100.00%

- Total Operating Expenses for November 2023 of \$8.1M were \$783.0 thousand or 9% less than budget of \$8.9M. November 2023 Total Operating Expenses were 1% or \$115.2 thousand less than November 2022's \$8.4M.
- Year-to-date Operating Expenses as of November 2023 of \$16.3M were 8% or \$1.5M less than the \$17.8M budget. Compared to last year, Year-to-date Operating Expenses as of November 2023 were 1% or \$113 thousand more. The \$1.3 million decrease in utilities was not enough to completely offset increases in other expense categories.
- Earnings from Operations for November 2023 of \$2.5M were 27% or \$519.9K more than the budget of \$1.9M and \$1.2M more than November 2022's \$1.3M. Change in Net Assets for November 2023 of \$1.3M was 30% or \$552.6K less than the \$1.8M budget and \$486.9K more than November 2022's -



\$800.7K. The increase in the Change in Net Assets year over year was mostly due to the increases in Earnings from Operations.

- Year-to-date Earnings from Operations as of November 2023 of \$5.3M was \$1.4M better than the budget of \$3.9M and \$3.4M better than Year-to-Date Earnings from Operations as of November 2022 of \$1.9M. Year-to-date Change in Net Assets as of November 2023 of \$2.9M was 22% or \$791.7K less than budget of \$3.7M and \$3.6M more than Year-to-date Change in Net Assets as of November 2022's -\$719.2K.
- No Rate Stabilization Funds were used in November 2023. There is a balance of \$950K in the RSF at the end of November 2023.

Cash Flow (Schedule F)

- FY2024 cash flows from operating activities were \$5.5M, cash used in capital and financing activities was \$1.5M, and cash used for investing activities was \$7.2M resulting in a decrease in cash of \$3.1M. Days Cash on Hand for November 2023 was calculated at 267 days compared to October 2023's 294 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

Customer Payments

While only 7% of payments are made in cash, 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 FY2023, approximately 48% 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 -December 2022	203	\$878,486	\$16,756	1.91%
January - March 2023	212	\$894,615	\$17,063	1.91%
April – June 2023	166	\$754,679	\$14,394	1.91%
July -September 2023	202	\$889,571	\$17,886	2.01%
October 2023	58	\$307,437	\$6,181	2.01%
November 2023	54	\$275,426	\$5,538	2.01%

The increase in percentage of fees is due to more customers paying on-line versus making payments at the GPWA offices. Credit card payments at GPWA offices use the FHB facility while BOH processes online payments; BOH charges higher fees. The multi-step bid for merchant services is scheduled to be opened in January.

The Upper Tumon office is open for payments on Saturdays. For the four Saturdays in November, 964 payments totaling \$81,524 were made towards GWA billings and 834 payments totaling \$263,662 were made for GPA.



For the month of November, Finance posted \$57,482 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP). There were \$19,095 in payments received for eligible homeowners as part of the Guam Homeowners Assistance Fund (GHAF). There were no payments from the Guam Low Income Household Water Assistance Program (GLIHWAP).

Guam Solid Waste (GSW) Customer Payments

GPWA began to accept GSW payments on June 6, 2022. For the month of November 2023, GWA accepted \$61,232 in GSW payments at the Upper Tumon Office. GWA will bill \$1,071 to GSW for processing fees.

FY2025-FY2029 Financial Plan

The budget call for the FY2025-FY2029 rate plan was issued. Initial submittals by business units to their AGMs were due October 20, 2023, and from the AGMs to Budget on November 3rd. The PUC Rate Order included a submission deadline of April 1, 2024, for the next five-year financial plan. The Rate Payers Bill of Rights requires a 3-month and 1-month notice prior to the filing of the plan with the PUC. The update of the master plan will help to build the 5-year CIP which will be an integral part of the financial plan. GWA has proposed a timeline to the PUC to facilitate a timely review and approval of the financial plan.

Rating Agency Actions

On November 3, 2023, Moody's affirmed GWA's Baa2 rating and changed the outlook from negative to stable. A Baa2 rating is considered medium grade and subject to moderate risk.

Subsequently, on November 17, 2023, S&P Global Ratings affirmed GWA's A- rating but revised the outlook from stable to negative. The outlook change was due to the narrowing of debt service coverage, use of reserves and one-time revenues to augment debt service coverage and lack of an approved rate plan. An A-rating indicates a strong capacity to meet financial commitments but susceptibility to adverse economic conditions or changing circumstances.

GVB Visitor Arrivals

Visitor arrivals for October 2023 of 54,099 increased 37.4% as compared to arrivals for October 2022 of 39,366. Calendar year to date visitors increased 125.5% from 231,486 to 521,935. In October 2023 57% of arrivals were from Korea, 22% were from Japan, and 13% of arrivals were from the United States. First time visitors were 47.5% of the mix and 39.9% were repeat visitors with 65.8% of visitors coming to Guam for vacation or pleasure. Arrivals for October 2023 represent 44% of October 2018 arrivals.

**GUAM WATERWORKS AUTHORITY
November 30, 2023
FINANCIAL AND RELATED REPORTS
TABLE OF CONTENTS**

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

GUAM WATERWORKS AUTHORITY
Balance Sheet
November 30, 2023

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited November 30, 2023	Unaudited September 30, 2023	Increase (Decrease)
Current Assets			
Cash			
Unrestricted (Schedule G)	47,196,978	50,324,888	(3,127,909)
Restricted Funds (Schedule G)	35,422,710	32,707,733	2,714,977
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$9,582,684 at Nov 30, 2023 and \$9,365,376 at Sep 30, 2023	14,114,330	11,484,716	2,629,614
Federal Receivable	1,730,089	2,191,346	(461,257)
Other Receivable	5,500,472	4,831,548	668,924
Prepaid Expenses	3,276,186	1,251,660	2,024,526
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$122,856 at Nov 30, 2023 and \$122,856 at Sep 30, 2023	5,013,661	5,096,658	(82,997)
Total Current Assets	112,254,426	107,888,548	4,365,878
Property, Plant and Equipment			
Utility plant in service			
Water system	444,957,534	444,848,078	109,455
Wastewater system	679,249,470	679,249,470	-
Non-utility property	33,683,228	33,683,228	-
Intangible Lease Asset	951,314	951,314	-
Total property	1,158,841,545	1,158,732,090	109,455
Less: Accumulated Depreciation	(430,241,841)	(425,426,791)	(4,815,050)
Land	5,287,305	5,287,305	-
Construction Work in Progress	75,343,641	74,149,217	1,194,424
Property, Plant and Equipment, net	809,230,650	812,741,821	(3,511,171)
Noncurrent assets			
Restricted cash (Schedule G)	150,203,282	150,366,788	(163,506)
Investments (Schedule G)	77,180,469	70,239,665	6,940,804
Total other noncurrent assets and deferred charges	227,383,752	220,606,453	6,777,299
Total Assets	1,148,868,828	1,141,236,822	7,632,005
Deferred outflows of resources			
Regulatory assets	2,858,947	2,858,947	-
Debt defeasance due to bond refunding	26,846,873	27,184,464	(337,591)
Deferred outflows from pension	7,405,025	7,405,025	-
Deferred outflows from OPEB	41,247,962	41,247,962	-
Total Assets and Deferred Outflows of Resources	1,227,227,634	1,219,933,220	7,294,415
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 Liability	265,190	265,190	-
Accounts Payable -Trade	4,315,030	4,329,683	(14,652)
Accrued and Other Liabilities	14,717,222	14,216,960	500,262
Interest Payable	11,784,194	7,070,516	4,713,678
Accrued Payroll and Employee Benefits	1,712,543	1,334,022	378,520
Current portion of employee annual leave	729,390	729,390	-
Contractors' Payable	7,695,864	8,565,009	(869,145)
Customer and Other Deposits	2,278,795	2,268,968	9,828
Total Current Liabilities	54,258,229	49,539,738	4,718,490
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	133,265,000	133,265,000	-
Series 2017 Refunding Bond	98,565,000	98,565,000	-
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	36,974,712	37,287,410	(312,698)
Lease Liability LT	192,245	192,245	-
Net pension liability	46,038,335	46,038,335	-
Net OPEB obligation	116,272,057	116,272,057	-
Employee Annual Leave, Less Current Portion	913,289	913,289	-
Employee Sick Leave	1,429,998	1,429,998	-
Total Liabilities	858,878,866	854,473,073	4,405,792
Deferred inflows of resources:			
Contribution in Aid of Construction	646,937	646,937	-
Deferred inflows from pension	5,176,746	5,176,746	-
Deferred inflows from OPEB	25,852,937	25,852,937	-
Total Liabilities and Deferred Inflows of Resources	890,555,485	886,149,693	4,405,792
Net Assets	336,672,149	333,783,527	2,888,622
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,227,227,634	1,219,933,220	7,294,414

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending November 30, 2023

SCHEDULE B

	Month to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) November-23	Budget November-23	
OPERATING REVENUES			
Water Revenues	6,518,294	6,706,635	(188,341)
Wastewater Revenues	3,424,583	3,652,565	(227,982)
Legislative Surcharge	323,669	327,945	(4,276)
Other Revenues	29,381	39,525	(10,144)
System Development Charge	269,612	102,000	167,612
Total Operating Revenues	10,565,540	10,828,670	(263,130)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	398,765	491,667	92,902
Power Purchases	1,613,126	1,935,131	322,005
Total Utility Costs	2,011,890	2,426,797	414,907
Salaries and Wages	1,664,700	1,825,560	160,861
Pension and Benefits	677,027	649,877	(27,150)
Total Salaries and Benefits	2,341,726	2,475,437	133,711
Capitalized Labor and Benefits	(226,171)	(346,595)	(120,424)
Net Salaries and Benefits	2,115,555	2,128,842	13,287
Administrative and General Expenses			
Sludge removal	85,421	27,993	(57,428)
Chemicals	63,221	159,944	96,723
Materials & Supplies	128,847	207,083	78,236
Transportation	38,528	64,580	26,052
Communications	10,043	13,268	3,225
Claims	223,776	14,917	(208,859)
Insurance	154,304	161,333	7,029
Training & Travel	488	16,763	16,275
Advertising	2,190	11,199	9,009
Miscellaneous	120,397	111,992	(8,405)
Regulatory Expense	9,250	18,250	9,000
Bad Debts Provision	(3,741)	188,520	192,260
Total Administrative and General Expense	832,724	995,841	163,117
Depreciation Expense	2,403,485	2,401,423	(2,062)
Contractual Expense			
Audit & Computer Maintenance	204,012	165,771	(38,241)
Building rental	48,152	50,264	2,112
Equipment rental	28,476	46,774	18,298
Legal	-	125,000	125,000
Laboratory	47,826	43,829	(3,997)
Other	99,897	190,403	90,506
Total Contractual Expense	428,363	622,041	193,678
Retiree Supp. Annuities and health care costs	254,410	252,159	(2,251)
Contribution to Government of Guam	58,458	60,809	2,350
Total Retiree Benefits	312,868	312,968	100
Total Operating Expenses	8,104,886	8,887,913	783,027
Earnings (Loss) from Operations	2,460,653	1,940,757	519,897
Interest Income - 2010/13/14/16/17/20 Series Bond	950,049	647,004	303,045
Interest Income - Other Funds	225,821	22,917	202,905
Interest Income - SDC	31,114	873	30,241
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,356,839)	(2,356,839)	-
Interest Expense - Leases	-	-	-
Contributions from Local Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	(56,499)	56,499
Legal settlements	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	124,228	32,121
Defeasance due to bond refunding	(168,795)	(170,449)	1,654
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(10,791)	(7,229)	(3,562)
Total non-operating revenues (expenses)	(1,173,092)	(1,795,994)	622,902
Net Income (Loss) before capital contributions	1,287,561	144,762	1,142,799
Capital Contributions			
Grants from US Government	-	1,686,437	(1,686,437)
Grants from GovGuam & Others	-	8,937	(8,937)
Total Capital Contributions	-	1,695,374	(1,695,374)
Change in Net Assets	1,287,561	1,840,136	(552,575)
Debt Service Calculation			
Earnings From Operations	2,460,653	1,940,757	
System Development Charge	(269,612)	(102,000)	
Retiree COLA	58,458	60,809	
Interest/Investment Income	225,821	22,917	
Depreciation	2,403,485	2,401,423	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	79,167	
ARPA Grant	-	-	
Balance Available for Debt Service per Section 6.12	4,878,805	4,403,072	
Debt Service			
Principal	896,667	896,667	
Interest	2,356,839	2,356,839	
Total	3,253,505	3,253,505	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.50	1.35	
Debt Service Coverage (1.30X) (PUC)	1.50	1.35	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
 Comparative for the period ending November 30, 2023 and 2022

SCHEDULE C

	Month to Date		Variance Increase / (Decrease)
	Actual (Unaudited) November-23	Actual (Unaudited) November-22	
OPERATING REVENUES			
Water Revenues	6,518,294	5,759,505	758,789
Wastewater Revenues	3,424,583	3,078,830	345,753
Legislative Surcharge	323,669	266,288	57,381
Other Revenues	29,381	55,960	(26,578)
System Development Charge	269,612	369,357	(99,745)
Total Operating Revenues	10,565,540	9,529,939	1,035,600
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	398,765	479,430	(80,665)
Power Purchases	1,613,126	2,259,247	(646,121)
Total Utility Costs	<u>2,011,890</u>	<u>2,738,677</u>	<u>(726,787)</u>
Salaries and Wages	1,664,700	1,573,909	90,791
Pension and Benefits	677,027	615,737	61,289
Total Salaries and Benefits	<u>2,341,726</u>	<u>2,189,646</u>	<u>152,080</u>
Capitalized Labor and Benefits	(226,171)	(289,427)	63,256
Net Salaries and Benefits	<u>2,115,556</u>	<u>1,900,219</u>	<u>215,337</u>
Administrative and General Expenses			
Sludge removal	85,421	26,075	59,347
Chemicals	63,221	40,173	23,048
Materials & Supplies	128,847	116,282	12,564
Transportation	38,528	45,734	(7,206)
Communications	10,043	4,307	5,735
Claims	223,776	205	223,571
Insurance	154,304	147,927	6,377
Training & Travel	488	35	453
Advertising	2,190	1,000	1,190
Miscellaneous	120,397	101,781	18,616
Regulatory Expense	9,250	13,934	(4,684)
Bad Debts Provision	(3,741)	182,092	(185,833)
Total Administrative and General Expense	<u>832,724</u>	<u>679,546</u>	<u>153,178</u>
Depreciation Expense	<u>2,403,485</u>	<u>2,245,293</u>	<u>158,191</u>
Contractual Expense			
Audit & Computer Maintenance	204,012	92,723	111,289
Building rental	48,152	47,415	737
Equipment rental	28,476	45,484	(17,008)
Legal	-	59,779	(59,779)
Laboratory	47,826	1,652	46,174
Other	99,897	121,044	(21,147)
Total Contractual Expense	<u>428,363</u>	<u>368,098</u>	<u>60,265</u>
Retiree Supp. Annuities and health care costs	254,410	232,191	22,219
Contribution to Government of Guam	58,458	56,100	2,358
Total Retiree Benefits	<u>312,868</u>	<u>288,291</u>	<u>24,578</u>
Total Operating Expenses	<u>8,104,886</u>	<u>8,220,124</u>	<u>(115,238)</u>
Earnings (Loss) from Operations	<u>2,460,653</u>	<u>1,309,815</u>	<u>1,150,838</u>
Interest Income - 2010/13/14/16/17/20 Series Bond	950,049	644,062	305,987
Interest Income - Other Funds	225,821	85,947	139,874
Interest Income - SDC	31,114	(4,526)	35,640
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,356,839)	(2,400,140)	43,301
Interest Expense - Leases	-	-	-
Contributions from Local Government	-	900,000	(900,000)
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
Legal settlements	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	124,228	32,121
Defeasance due to bond refunding	(168,795)	(170,449)	1,654
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(10,791)	-	(10,791)
Total non-operating revenues (expenses)	<u>(1,173,092)</u>	<u>(820,878)</u>	<u>(352,213)</u>
Net Income (Loss) before capital contributions	<u>1,287,561</u>	<u>488,937</u>	<u>798,625</u>
Capital Contributions			
Grants from US Government	-	275,985	(275,985)
Grants from GovGuam & Others	-	35,749	(35,749)
Total Capital Contributions	<u>-</u>	<u>311,733</u>	<u>(311,733)</u>
Change in Net Assets	<u>1,287,561</u>	<u>800,670</u>	<u>486,891</u>
		800,670	
Debt Service Calculation			
Earnings From Operations	2,460,653	1,309,815	
System Development Charge	(269,612)	(369,357)	
Retiree COLA	58,458	56,100	
Interest/Investment Income	225,821	85,947	
Depreciation	2,403,485	2,245,293	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	-	
ARPA Grant	-	900,000	
Balance Available for Debt Service per Section 6.12	<u>4,878,805</u>	<u>4,227,799</u>	
Debt Service			
Principal	852,917	852,917	
Interest	2,400,140	2,400,140	
Total	<u>3,253,056</u>	<u>3,253,056</u>	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	<u>1.50</u>	<u>1.30</u>	
Debt Service Coverage (1.30X) (PUC)	<u>1.50</u>	<u>1.30</u>	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending November 30, 2023

SCHEDULE D

	Year to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) November-23	Budget November-23	
OPERATING REVENUES			
Water Revenues	13,164,656	13,413,269	(248,613)
Wastewater Revenues	7,077,639	7,305,130	(227,491)
Legislative Surcharge	671,264	655,890	15,374
Other Revenues	63,844	79,050	(15,206)
System Development Charge	651,919	204,000	447,919
Total Operating Revenues	21,629,323	21,657,339	(28,016)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	912,358	983,333	70,976
Power Purchases	3,409,248	3,870,261	461,013
Total Utility Costs	<u>4,321,606</u>	<u>4,853,595</u>	<u>531,989</u>
Salaries and Wages	3,268,709	3,651,121	382,412
Pension and Benefits	1,338,636	1,299,754	(38,883)
Total Salaries and Benefits	<u>4,607,345</u>	<u>4,950,875</u>	<u>343,530</u>
Capitalized Labor and Benefits	(270,327)	(693,190)	(422,863)
Net Salaries and Benefits	<u>4,337,018</u>	<u>4,257,685</u>	<u>(79,334)</u>
Administrative and General Expenses			
Sludge removal	165,688	55,986	(109,702)
Chemicals	200,469	319,889	119,420
Materials & Supplies	252,756	414,166	161,410
Transportation	84,753	129,160	44,407
Communications	16,917	26,535	9,618
Claims	-	29,833	29,833
Insurance	297,676	322,667	24,991
Training & Travel	29,157	33,526	4,368
Advertising	2,438	22,398	19,960
Miscellaneous	252,029	223,984	(28,045)
Regulatory Expense	18,744	36,500	17,756
Bad Debts Provision	209,200	377,039	167,840
Total Administrative and General Expense	<u>1,529,826</u>	<u>1,991,682</u>	<u>461,856</u>
Depreciation Expense	4,815,050	4,802,846	(12,204)
Contractual Expense			
Audit & Computer Maintenance	341,388	331,543	(9,846)
Building rental	96,479	100,527	4,049
Equipment rental	47,823	93,548	45,725
Legal	-	250,000	250,000
Laboratory	53,643	87,658	34,015
Other	147,670	380,805	233,135
Total Contractual Expense	<u>687,003</u>	<u>1,244,082</u>	<u>557,079</u>
Retiree Supp. Annuities and health care costs	508,820	504,319	(4,502)
Contribution to Government of Guam	116,917	121,618	4,701
Total Retiree Benefits	<u>625,737</u>	<u>625,936</u>	<u>199</u>
Total Operating Expenses	16,316,241	17,775,826	1,459,585
Earnings (Loss) from Operations	5,313,082	3,881,513	1,431,569
Interest Income - 2010/13/14/16/17/20 Series Bond	1,876,991	1,294,008	582,983
Interest Income - Other Funds	420,889	45,833	375,056
Interest Income - SDC	31,142	1,746	29,396
Interest Expense - 2010/13/14/16/17/20 Series Bond	(4,713,678)	(4,713,678)	-
Interest Expense - Leases	-	-	-
Contributions from Local Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	(4,211)	(112,998)	108,787
Legal settlements	-	-	-
Amortization of Discount, Premium and Issuance Costs	312,698	248,456	64,242
Defeasance due to bond refunding	(337,591)	(340,899)	3,308
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(10,701)	(14,458)	3,757
Total non-operating revenues (expenses)	<u>(2,424,460)</u>	<u>(3,591,988)</u>	<u>1,167,529</u>
Net Income (Loss) before capital contributions	2,888,622	289,525	2,599,098
Capital Contributions			
Grants from US Government	-	3,372,873	(3,372,873)
Grants from GovGuam & Others	-	17,874	(17,874)
Total Capital Contributions	<u>-</u>	<u>3,390,747</u>	<u>(3,390,747)</u>
Change in Net Assets	2,888,622	3,680,272	(791,650)
Debt Service Calculation			
Earnings From Operations	5,313,082	3,881,513	
System Development Charge	(651,919)	(204,000)	
Retiree COLA	116,917	121,618	
Interest/Investment Income	420,889	45,833	
Depreciation	4,815,050	4,802,846	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	158,333	
ARPA Grant	-	-	
Balance Available for Debt Service per Section 6.12	10,014,018	8,806,143	
Debt Service			
Principal	1,793,333	1,793,333	
Interest	4,713,678	4,713,678	
Total	6,507,011	6,507,011	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.54	1.35	
Debt Service Coverage (1.30X) (PUC)	1.54	1.35	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
 Comparative for the period ending November 30, 2023 and 2022

SCHEDULE E

	Year to Date		Variance Increase / (Decrease)
	Actual (Unaudited) November-23	Actual (Unaudited) November-22	
OPERATING REVENUES			
Water Revenues	13,164,656	11,260,226	1,904,429
Wastewater Revenues	7,077,639	6,017,809	1,059,830
Legislative Surcharge	671,264	515,701	155,563
Other Revenues	63,844	85,731	(21,887)
System Development Charge	651,919	431,032	220,888
Total Operating Revenues	21,629,323	18,310,499	3,318,823
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	912,358	1,015,909	(103,552)
Power Purchases	3,409,248	4,584,670	(1,175,421)
Total Utility Costs	4,321,606	5,600,579	(1,278,973)
Salaries and Wages	3,268,709	3,065,868	202,841
Pension and Benefits	1,338,636	1,210,375	128,261
Total Salaries and Benefits	4,607,345	4,276,243	331,102
Capitalized Labor and Benefits	(270,327)	(500,747)	230,420
Net Salaries and Benefits	4,337,018	3,775,496	561,522
Administrative and General Expenses			
Sludge removal	165,688	68,151	97,537
Chemicals	200,469	150,628	49,840
Materials & Supplies	252,756	195,344	57,412
Transportation	84,753	80,920	3,833
Communications	16,917	8,874	8,044
Claims	-	205	(205)
Insurance	297,676	295,854	1,822
Training & Travel	29,157	26,745	2,412
Advertising	2,438	2,200	238
Miscellaneous	252,029	188,600	63,429
Regulatory Expense	18,744	19,193	(449)
Bad Debts Provision	209,200	355,875	(146,675)
Total Administrative and General Expense	1,529,826	1,392,588	137,238
Depreciation Expense	4,815,050	4,536,778	278,272
Contractual Expense			
Audit & Computer Maintenance	341,388	151,764	189,624
Building rental	96,479	94,831	1,648
Equipment rental	47,823	64,831	(17,008)
Legal	-	-	-
Laboratory	53,643	2,354	51,289
Other	147,670	233,086	(85,416)
Total Contractual Expense	687,003	546,866	140,137
Retiree Supp. Annuities and health care costs	508,820	464,381	44,439
Contribution to Government of Guam	116,917	112,200	4,717
Total Retiree Benefits	625,737	576,581	49,156
Total Operating Expenses	16,316,241	16,428,889	(112,648)
Earnings (Loss) from Operations	5,313,082	1,881,610	3,431,472
Interest Income - 2010/13/14/16/17/20 Series Bond	1,876,991	983,651	893,340
Interest Income - Other Funds	420,889	129,421	291,468
Interest Income - SDC	31,142	(7,938)	39,080
Interest Expense - 2010/13/14/16/17/20 Series Bond	(4,713,678)	(4,800,280)	86,602
Interest Expense - Leases	-	-	-
Contributions from Local Government	-	900,000	(900,000)
Federal Expenditures	-	(25,000)	25,000
Loss on Asset Disposal	(4,211)	-	(4,211)
Legal settlements	-	-	-
Amortization of Discount, Premium and Issuance Costs	312,698	248,456	64,242
Defeasance due to bond refunding	(337,591)	(340,899)	3,308
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(10,701)	-	(10,701)
Total non-operating revenues (expenses)	(2,424,460)	(2,912,588)	488,128
Net Income (Loss) before capital contributions	2,888,622	(1,030,978)	3,919,600
Capital Contributions			
Grants from US Government	-	275,985	(275,985)
Grants from GovGuam & Others	-	35,749	(35,749)
Total Capital Contributions	-	311,733	(311,733)
Change in Net Assets	2,888,622	(719,245)	3,607,867
Debt Service Calculation			
Earnings From Operations	5,313,082	1,881,610	
System Development Charge	(651,919)	(431,032)	
Retiree COLA	116,917	112,200	
Interest/Investment Income	420,889	129,421	
Depreciation	4,815,050	4,536,778	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	1,300,000	
ARPA Grant	-	900,000	
Balance Available for Debt Service per Section 6.12	10,014,018	8,428,977	
Debt Service			
Principal	1,793,333	1,705,833	
Interest	4,713,678	4,800,280	
Total	6,507,011	6,506,113	
Debt Service Coverage (1.25X) - per Section 6.12	1.54	1.30	
Debt Service Coverage (1.30X) (PUC)	1.54	1.30	

SCHEDULE F

Guam Waterworks Authority Statement of Cash Flows (Unaudited) FY2024	YTD Nov-23
Cash flows from operating activities:	
Cash received from trade and others	18,131,412
Cash payments to suppliers/contractors for goods and services	(7,785,155)
Cash payments to employees for services	(4,854,561)
Net cash provided by operating activities	<u>5,491,696</u>
Contributed capital received (grants)	461,257
Acquisition of utility plant	(1,906,908)
Repayment of Long Term Debt	24,893
Interest expense	(35,594)
Net cash provided by (used in) capital and related financing activities	<u>(1,456,352)</u>
Cash flows from investing activities:	
Transfers from (to) restricted fund	(9,492,275)
Interest income received	2,329,022
Net cash provided by investing activities	<u>(7,163,253)</u>
Net increase (decrease) in cash	(3,127,909)
Unrestricted cash at beginning of the period	50,324,888
Unrestricted cash at end of period	<u>47,196,978</u>
Reconciliation of operating loss to net cash provided by operating activities:	
Operating Income (loss)	5,313,082
Adjustments to reconcile to net cash provided by operating activities:	
Depreciation expense	4,815,050
Bad debts (recovery)	209,200
Capitalized labor and benefits	(270,327)
(Increase) decrease in assets:	
Accounts receivable	(3,507,738)
Materials and supplies inventory	82,997
Prepaid expenses	(2,024,526)
Increase (decrease) in liabilities:	
Accounts payable	(14,652)
Accrued payroll and employee benefits	378,520
Customer deposits	9,828
Other liabilities	500,262
Net cash provided by operating activities	<u>5,491,696</u>

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2024

SCHEDULE G

Description	Unaudited November 30, 2023	Unaudited September 30, 2023	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	3,930	3,930	-
BOG Deposit Accounts	23,123,522	26,112,801	(2,989,279)
BOG O & M Reserve	14,597,851	14,477,230	120,621
BOG CapEx Fund	8,519,675	8,778,927	(259,252)
BOG Rate Stabilization Fund	950,000	950,000	-
Sub-total Unrestricted	47,196,978	50,324,888	(3,127,909)
RESTRICTED			
Bank Pacific	19,207	6,345	12,862
Bank of Hawaii	202,601	167,390	35,211
Community First FCU	3,638	2,538	1,099
First Hawaiian Bank	117,565	82,921	34,644
Bank Pacific Surcharge	632,829	6,863	625,966
Bank Pacific Escrow Deposit	958,727	958,711	16
BOG Customer Refunds	2,188,243	2,157,517	30,727
BOG Sewer Hookup Revolving Fund	2,124,272	2,079,769	44,503
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	832,431	(137,922)	970,354
BOG Revenue Trust Fund	7,433,343	10,471,820	(3,038,477)
BOG Capital Improvement Revenue Fund	11,813,111	8,452,503	3,360,607
	29,409,449	27,331,937	2,077,512
BOG - SDC Deposit	2,513,260	1,125,796	1,387,465
BOG - SDC CDs	3,500,000	4,250,000	(750,000)
Total SDC	6,013,260	5,375,796	637,465
Total Restricted	35,422,710	32,707,733	2,714,977
Reserve Funds			
BOG Series 2013 Construction Fund	3,488,302	3,459,448	28,854
BOG Series 2016 Construction Fund	26,522,460	27,091,177	(568,717)
BOG Series 2017 Refunding Construction Fund	3,679,145	3,648,718	30,428
BOG Series 2020A Construction Fund	111,764,067	111,457,380	306,686
BOG CIF-Construction Fund Transfers	4,749,308	4,710,065	39,243
Total Restricted - Held by Trustee	150,203,282	150,366,788	(163,506)
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	2,216,026	1,494,615	721,411
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Reserve Fund	11,657,094	10,100,975	1,556,119
USB Series 2016 Debt Service Fund	3,343,847	2,061,782	1,282,064
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	3,268,423	2,015,191	1,253,232
USB Series 2020A Debt Service Fund	2,885,918	1,753,543	1,132,375
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	2,536,101	1,540,498	995,603
Total Investments	77,180,469	70,239,665	6,940,804
Total Restricted and Unrestricted Cash	310,003,440	303,639,073	6,364,366

Guam Waterworks Authority
 Accounts Receivable - Government (Active)
 November 30, 2023

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	21,453	115	157	916	261,443	284,084
Guam Power Authority	25	36,858	38,859	-	-	-	75,717
Guam Housing & Urban Renewal Authority	10	6,549	801	-	-	-	7,350
Port Authority of Guam	5	4,071	-	-	-	-	4,071
Guam Solid Waste Authority	4	1,190	64	81	16	-	1,351
Guam Housing Corporation	1	38	-	-	-	-	38
Total Autonomous Agencies	53	70,159	39,839	238	932	261,443	372,611
Semi-Autonomous Agencies (Active)							
University of Guam	48	144,361	-	-	-	-	144,361
Guam Memorial Hospital Authority	3	50,317	32	27	27	13,770	64,173
Guam Community College	3	9,080	-	-	-	-	9,080
Guam Environmental Protection Agency	2	333	2	-	-	-	335
Total Semi-Autonomous Agencies	56	204,091	34	27	27	13,770	217,949
Line Agencies (Active)							
Department of Education	52	506,863	415,631	48,244	4,419	1,909,201	2,884,357
Department of Corrections	9	114,756	105,525	-	-	-	220,281
Department of Parks & Recreation	13	87,612	45,499	20,106	-	-	153,217
Department of Public Works	10	38,484	3,968	3,429	63	4,432	50,376
Guam Police Department	9	12,829	6,442	2,108	3,430	-	24,809
Department of Military Affairs/GUARNG	1	21,709	-	-	-	-	21,709
Guam Fire Department	11	8,480	7,040	2,186	-	-	17,706
Department of Agriculture	7	4,929	6,462	1,455	-	-	12,845
Department of Public Health & Social Services	9	5,515	3,801	1,411	696	723	12,146
Department of Mental Health	4	2,136	2,340	-	-	-	4,476
Department of Chamorro Affairs	7	4,073	-	-	-	-	4,073
Guam Veterans Affairs Office	2	1,027	903	769	301	-	3,001
Department of Administration	3	1,178	778	226	88	138	2,408
Guam Public Library	6	1,221	774	78	-	-	2,073
Department of Youth Affairs	3	1,980	-	-	-	-	1,980
Department of Customs & Quarantine	1	528	528	451	-	-	1,507
Guam Homeland Security/Civil Defense	1	650	-	-	-	-	650
Guam Visitors Bureau	2	603	-	-	-	-	603
Guam Energy Office	1	394	-	-	-	-	394
Office of Technology	1	214	-	-	-	-	214
Total Line Agencies	152	815,180	599,691	80,464	8,997	1,914,494	3,418,826
Other Government of Guam Entities (Active)							
Mayors Council of Guam	63	22,405	22,382	21,077	21,096	456	87,417
The Office of the Dededo Mayor	1	585	847	405	276	-	2,113
Superior Court of Guam	2	781	259	-	-	-	1,040
Judiciary of Guam	4	243	35	-	-	-	279
Merizo Mayor	1	198	-	-	-	-	198
Total Other Government of Guam Entities	71	24,212	23,524	21,483	21,372	456	91,047
Total as of November 30, 2023 (Active)	332	1,113,641	663,088	102,211	31,329	2,190,162	4,100,432

GWA Work Session - January 16, 2024 - GWA GM REPORT

GUAM WATERWORKS AUTHORITY
Accounts Receivable Aging Summary by Rate Class
As of November 30, 2023

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	441	\$ 1,701,146	\$ 685,214	\$ 104,811	\$ 33,219	\$ 2,399,713	\$ 4,924,104	21%	
Agriculture	412	37,557	4,201	2,364	1,955	27,242	73,319	0%	
Commercial I	2,693	1,804,115	164,559	78,281	50,599	479,337	2,576,891	11%	
Commercial II	38	205,018	7,679	6,019	581	80,784	300,082	1%	
Commercial III	285	720,784	46,463	68,862	39,989	304,602	1,180,700	5%	
Golf Course	16	15,012	1,623	14,191	1,299	4,449	36,574	0%	
Hotel	55	2,167,239	28,492	73,003	80,272	668,538	3,017,544	13%	
Irrigation	32	4,037	706	-	-	1,295	6,038	0%	
Residential	47,294	4,547,692	881,846	472,546	359,167	5,320,512	11,581,762	49%	
	51,266	11,202,600	1,820,782	820,078	567,082	9,286,473	23,697,014	100%	
		47%	8%	3%	2%	39%			
		Less Allowance for Doubtful Accounts: (9,582,684)							
		Net Accounts Receivable: 14,114,330							
		Days Receivables Outstanding 37							

As of October 31, 2023

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	\$ 616,010	\$ 370,282	\$ 83,257	\$ 58,973	\$ 2,380,595	\$ 3,509,117	16%	
Agriculture	412	23,641	6,425	4,294	3,115	26,185	63,660	0%	
Commercial I	2,694	1,719,954	205,018	71,525	84,843	476,135	2,557,476	12%	
Commercial II	40	169,093	13,969	3,466	2,768	81,062	270,359	1%	
Commercial III	283	640,403	97,206	49,294	35,338	300,734	1,122,975	5%	
Golf Course	16	15,557	14,440	1,457	813	4,487	36,754	0%	
Hotel	56	1,901,990	156,756	119,966	87,684	698,051	2,964,448	14%	
Irrigation	32	2,726	653	45	-	1,295	4,719	0%	
Residential	47,223	4,262,162	804,970	496,630	381,645	5,152,734	11,098,140	51%	
	51,197	9,351,535	1,669,720	829,934	655,179	9,121,279	21,627,647	100%	
		43%	8%	4%	3%	42%			
		Less Allowance for Doubtful Accounts: (11,111,311)							
		Net Accounts Receivable: 10,516,336							
		Days Receivables Outstanding 30							

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	440	\$ 1,701,146	\$ 685,214	\$ 104,811	\$ 31,329	\$ 2,399,713	\$ 4,922,214	26%	
Agriculture	391	37,305	3,962	2,205	1,536	4,123	49,132	0%	
Commercial I	2,565	1,803,814	163,162	54,149	48,962	251,240	2,321,327	12%	
Commercial II	38	205,018	7,679	6,019	581	80,784	300,082	2%	
Commercial III	273	720,784	46,463	68,660	38,501	268,577	1,142,985	6%	
Golf Course	16	15,012	1,623	14,191	1,299	4,449	36,574	0%	
Hotel	53	2,167,239	28,492	73,003	66,933	41,356	2,377,022	13%	
Irrigation	31	4,037	706	-	-	-	4,743	0%	
Residential	40,248	4,496,349	841,238	407,579	285,475	1,718,618	7,749,258	41%	
	44,055	11,150,705	1,778,538	730,617	474,616	4,768,860	18,903,337	100%	
		59%	9%	4%	3%	25%			
		Less Allowance for Doubtful Accounts: (9,582,684)							
		Net Accounts Receivable: 9,320,653							

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	440	\$ 616,010	\$ 370,282	\$ 81,367	\$ 58,973	\$ 2,380,595	\$ 3,507,227	21%	
Agriculture	391	23,224	6,266	3,875	2,708	3,351	39,423	0%	
Commercial I	2,560	1,717,406	175,778	69,735	81,480	249,286	2,293,685	14%	
Commercial II	40	169,093	13,969	3,466	2,768	81,062	270,359	2%	
Commercial III	271	640,403	97,004	47,805	35,306	264,741	1,085,259	6%	
Golf Course	16	15,557	14,440	1,457	813	4,487	36,754	0%	
Hotel	54	1,901,990	156,756	106,627	85,499	73,054	2,323,926	14%	
Irrigation	31	2,726	653	45	-	-	3,424	0%	
Residential	40,223	4,217,696	740,524	413,642	311,989	1,636,047	7,319,898	43%	
	44,026	9,304,104	1,575,672	728,019	579,536	4,692,623	16,879,954	100%	
		55%	9%	4%	3%	28%			
		Less Allowance for Doubtful Accounts: (11,111,311)							
		Net Accounts Receivable: 5,768,644							

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			
November 30, 2023	\$ 3,319,708 77%	\$ 475,285 11%	\$ 219,440 5%	\$ 20,148 0%	\$ 280,449 6%	\$ 4,315,030 100%	40	
October 31, 2023	\$ 4,705,538 78%	\$ 638,852 11%	\$ 310,547 5%	\$ 24,376 0%	\$ 358,150 6%	\$ 6,037,463 100%	44	
September 30, 2023	\$ 3,113,235 87%	\$ 143,065 4%	\$ 67,001 2%	\$ 38,042 1%	\$ 214,183 6%	\$ 3,575,527 100%	30	