



## One Guam Update (July 2023)

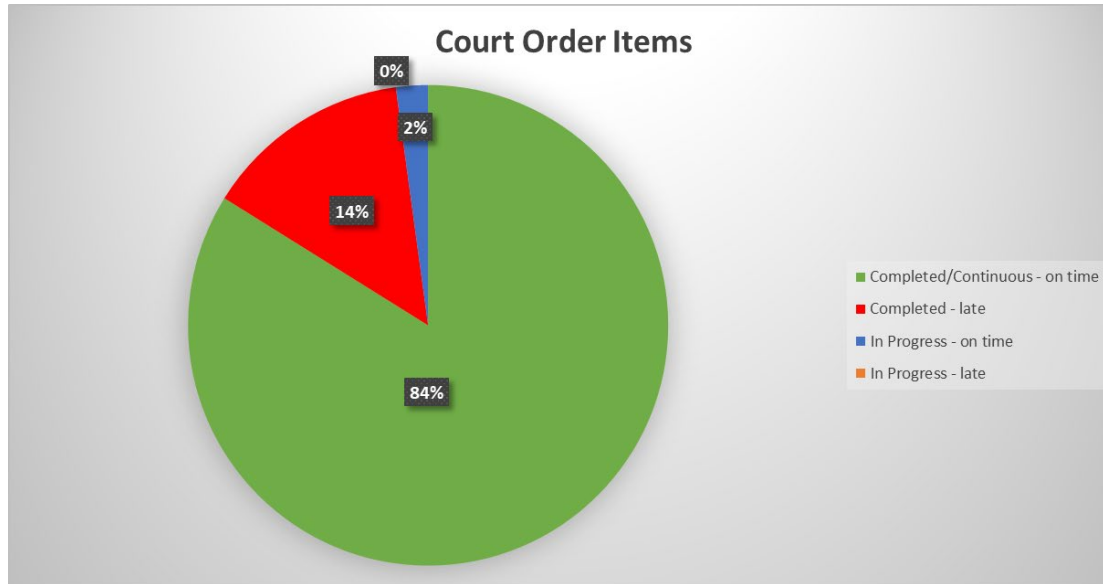
- **PFAS Study – GAC, Ion Exchange, SAFF**

- Navy A/E wants to conduct pilot tests, instead of bench scale tests, for the study of all – GAC, Ion Exchange & SAFF. The PFAS study to determine the best treatment technique has been awarded.
- GWA has experience with GAC and tech memo on GAC bench testing which can be shared.
- Both DoD and GWA interested in other options that may turn out in the long run to be less expensive in terms of O&M costs; testing /prove-out required.
- GWA had a meeting with the Office of Research & Development (ORD) at USEPA regarding designating Guam as a study community for PFAS treatment. GWA has expressed interest and EPA has re-engaged after Mawar. Should see some help from them.
- Regarding SAFF, US companies appear to be getting licensing agreements for the technology from Australia. There is a move to broaden the availability; GWA is interested in regional support and is hoping using US-licensed entities does not constrain availability.
- **The Navy DOD is considering building a new WW plant**
  - Include a 2M gallon equalization tank & newer treatment techniques, plus a study on the outfall) for the Navy base with an intertie to the GWA plant, but not to be sending everything, more for redundancy for both plants. Did look at DoD possibly sending off base to the Agat plant; need to revisit to see if there is a way to tie it together to send back and forth. DoD is also talking about replacing some transmission mains, collection system, etc.





Court Order Summary (through July 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%		
<b>Totals</b>	<b>93</b>	<b>100%</b>		





### Court Order – Status Information (July 2023)

The following SSOs were reported for July:

- 7/31/2023, Taitano Road, Liguán Terrance, Dededo, Cause: FOG, 24000 gallons
- 7/30/2023, Chalan Fargo Dededo, Astumbo Pump Station, Cause: Pump Station Failure, 820 gallons
- 7/12/2023. 9-B Calle Damian Street, Toto Gardens, Toto, Cause: FOG and Debris in line, 5150 gallons
- 7/6/2023, Cebello Court, Liguán Terrace, Dededo, Cause: FOG, 800 gallons





Land Acquisition Summary (through July 2023)

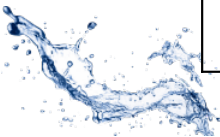
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo-L10164	Gov't. - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021 – Follow up status sent to DLM 10/06/2021; 11/03/2021; 01/27/2022; 03/04/2022; 05/12/2022; 07/07/2022;09/12/2022; 12/27/2022; <b>DLM response 07/11/2023 have not been able to meet with Assigned AG for LR proceedings.</b>
	Piti-L259	Private/Federal	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 form. Waiting for permission from NPS to access the lot and perform the Archeological survey.
Deep Wells	AG-12-L10154-4	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Manhita Farms for signature 05/24/18. 2 <sup>nd</sup> follow up sent on 04/10/19; 08/03/2021. DCA submitted parceling map to DLM for review and comments on August 18, 2021, waiting for their review comments. ROE Agreement information sent to GWA legal counsel for further review and processing 01/28/2022; Follow up status sent to DCA 03/04/2022; 07/08/2022; 07/11/2023
Booster Pump Station	Agfayan-T3734 B19 L28	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19. Letter of Decision received by CLTC 06/09/2021. CLTC has responded for in-kind service letter 10/08/2021. 1 <sup>st</sup> appraisal report submitted to GWA 05/11/2022. 2 <sup>nd</sup> appraisal submittal to GWA 09/20/2022. Appraisal report sent to GM/legal counsel for review, approval and response 09/22/2022.





Land Acquisition Summary (through July 2023 - continuation)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Aan-L501	Federal	<p>In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment (EA) will be developed. The permit for the biological survey was submitted on 6/12/2020 and was signed by NPS on 1/22/2021. Further coordination between NPS and SHPO is pending to determine necessary approach for an archaeological survey. New Chief of Resources for War in the Pacific National Historical Park, Timothy Clark, hired. Replacing Tahzay Jones, who was previously working with us. HDR working with Tim Clark on coordinating things with NPS.</p> <p><u>Biological Survey:</u></p> <ul style="list-style-type: none"> <li>• Fieldwork completed, 2/10/2021; found snails close to the site, and within NPS proposed ROW, and outside the proposed ROW.</li> <li>• Draft report submitted to NPS, 4/1/2021; comments received from NPS, 6/4/2021; final report submitted to NPS, 6/12/2021.</li> <li>• NPS submitted Biological Survey to USFWS, 9/28/2021; met with NPS, USFWS, DOAG on 10/22/2021 to discuss survey and possible Biological Assessment (BA).</li> <li>• HDR working with NPS to develop formal BA pending template of BA from USFWS; HDR completed draft Public Scoping Document for NPS review for NEPA process, 11/5/2021; still waiting on NPS for edits/comments on Scoping documents/BA for NEPA.</li> </ul> <p><u>DOAG Environmental Consultation Letter:</u></p> <ul style="list-style-type: none"> <li>• HDR sent Request letter sent to DOAG (Dep of Ag) on 3/15/2021</li> <li>• GWA followed up with DOAG on 6/25/2021.</li> <li>• DOAG responded on 7/1/2021, but did not reach GWA Eng. until 8/4/2021; HDR review response letter and will respond soon.</li> <li>• Pending response from HDR if they had previously sent over their Biological Survey.</li> </ul>





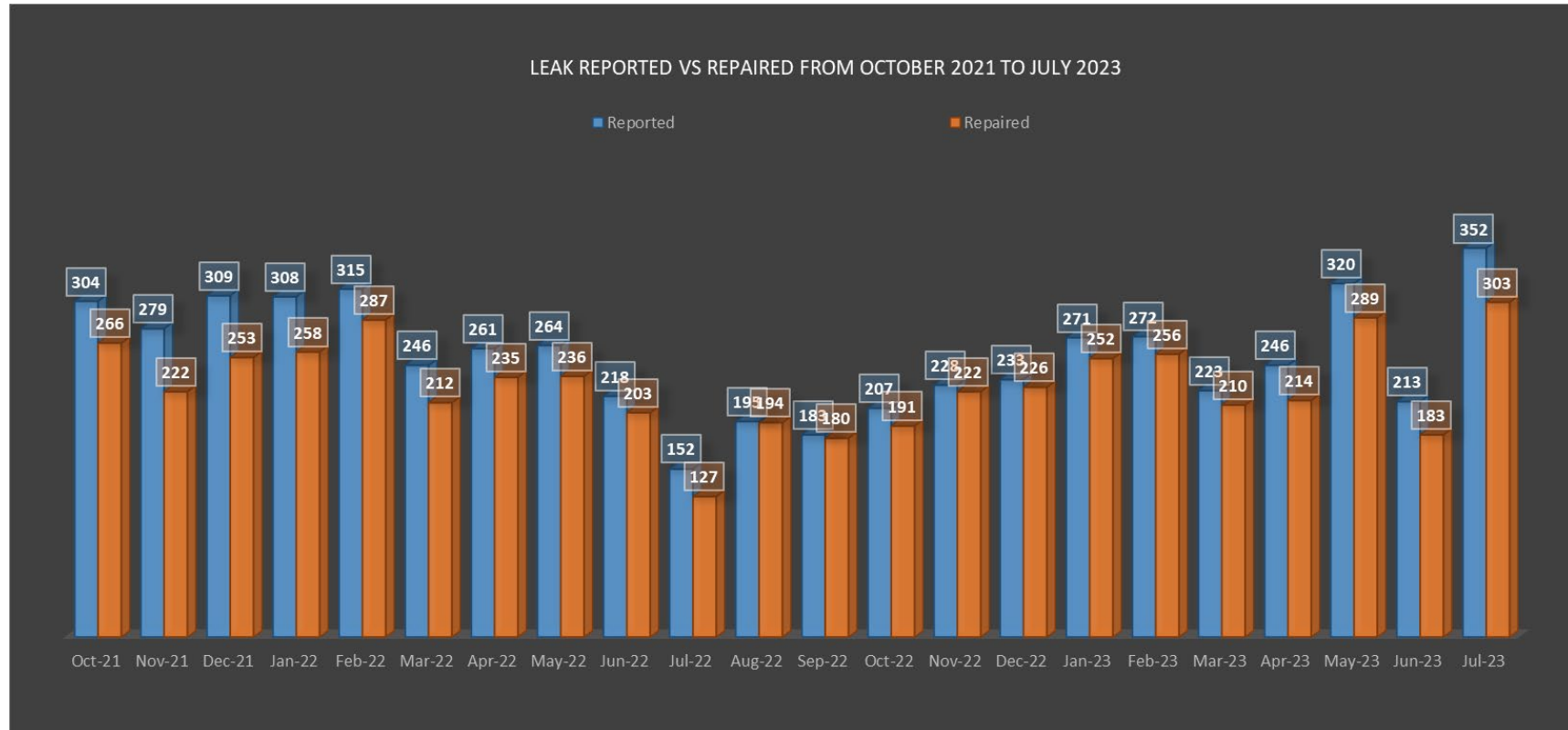
Land Acquisition Summary (through July 2023 - continuation)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Aan-L501	Federal	<p><u>SHPO Letter:</u> Pending archaeological survey requirements from SHPO</p> <ul style="list-style-type: none"> <li>• SHPO Letter sent to NPS for review, 5/29/2021; received first comments, 7/1/2021.</li> <li>• Submitted revised letter, 7/12/2021; received comments, 8/9/2021.</li> <li>• Resubmitted letter to NPS, 9/15/2021.</li> <li>• NPS submitted Environmental Consultation Request to SHPO, 10/20/2021; SHPO responded to NPS on 12/28/2021 for NEPA.</li> </ul> <p><u>Asan Springs – Public Meeting:</u></p> <ul style="list-style-type: none"> <li>• Public engagement meeting was held at the Asan Mayor’s office on 4/19/2022.</li> <li>• The purpose of the public meeting was to inform the public about the rehabilitation of Asan Spring project and its unique property condition being on NPS and GWA land.</li> <li>• As of 6/24/2022, NPS has not received any public comments.</li> </ul> <p><u>Biological Assessment Report:</u></p> <ul style="list-style-type: none"> <li>• A draft report reviewed by USFW was given to HDR and was issued to GWA and NPS for further input on 5/24/2022.</li> <li>• The Final Report is pending comments from NPS; HDR to make revisions based on NPS and GWA comments to the report before sending it to USFW for review and acceptance.</li> </ul> <p><u>Environmental Assessment:</u></p> <ul style="list-style-type: none"> <li>• HDR is in the beginning process of getting a draft to NPS for review.</li> <li>• The EA will include the NEPA process and follow all necessary requirements for compliance to obtain a ROW agreement with NPS.</li> </ul>



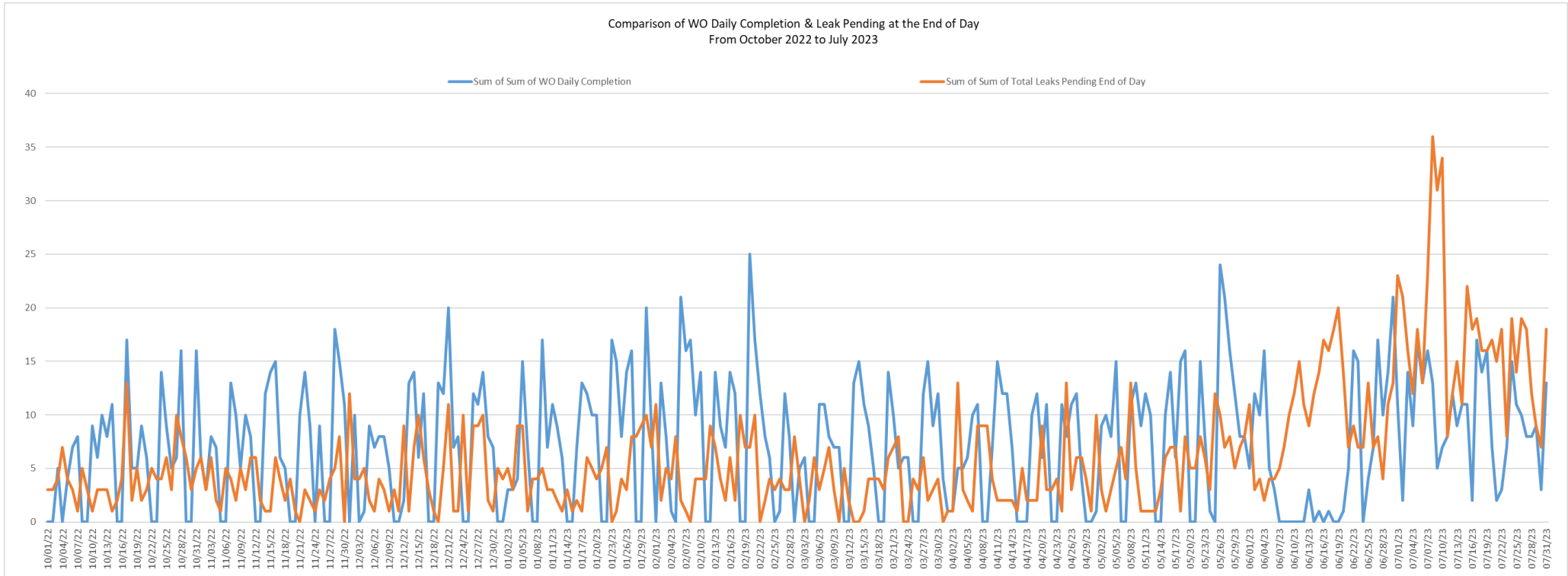


### Comparison of Leaks Reported vs. Leaks Repaired (through July 2023)





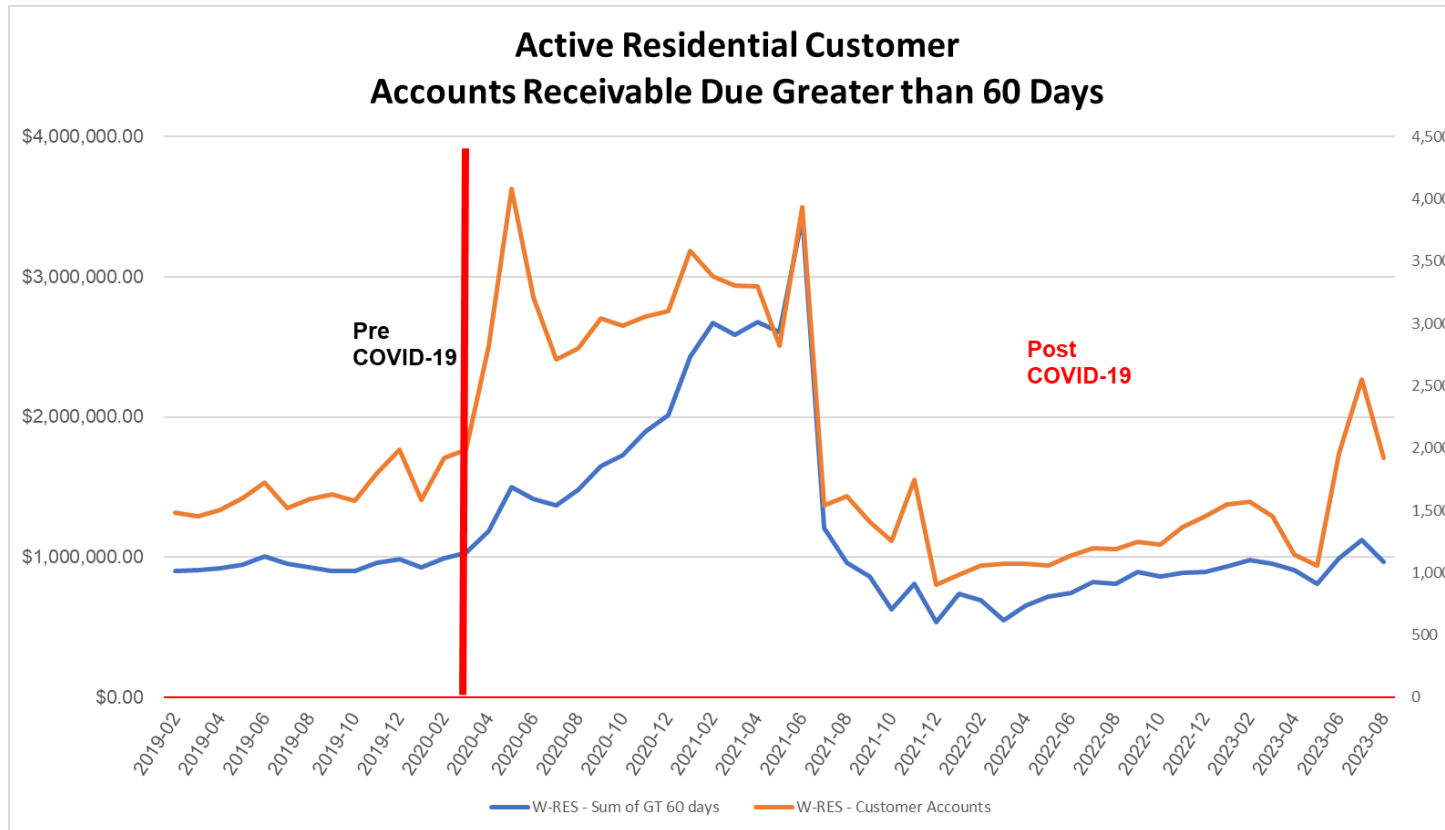
### Daily Leak Repairs (through July 2023)





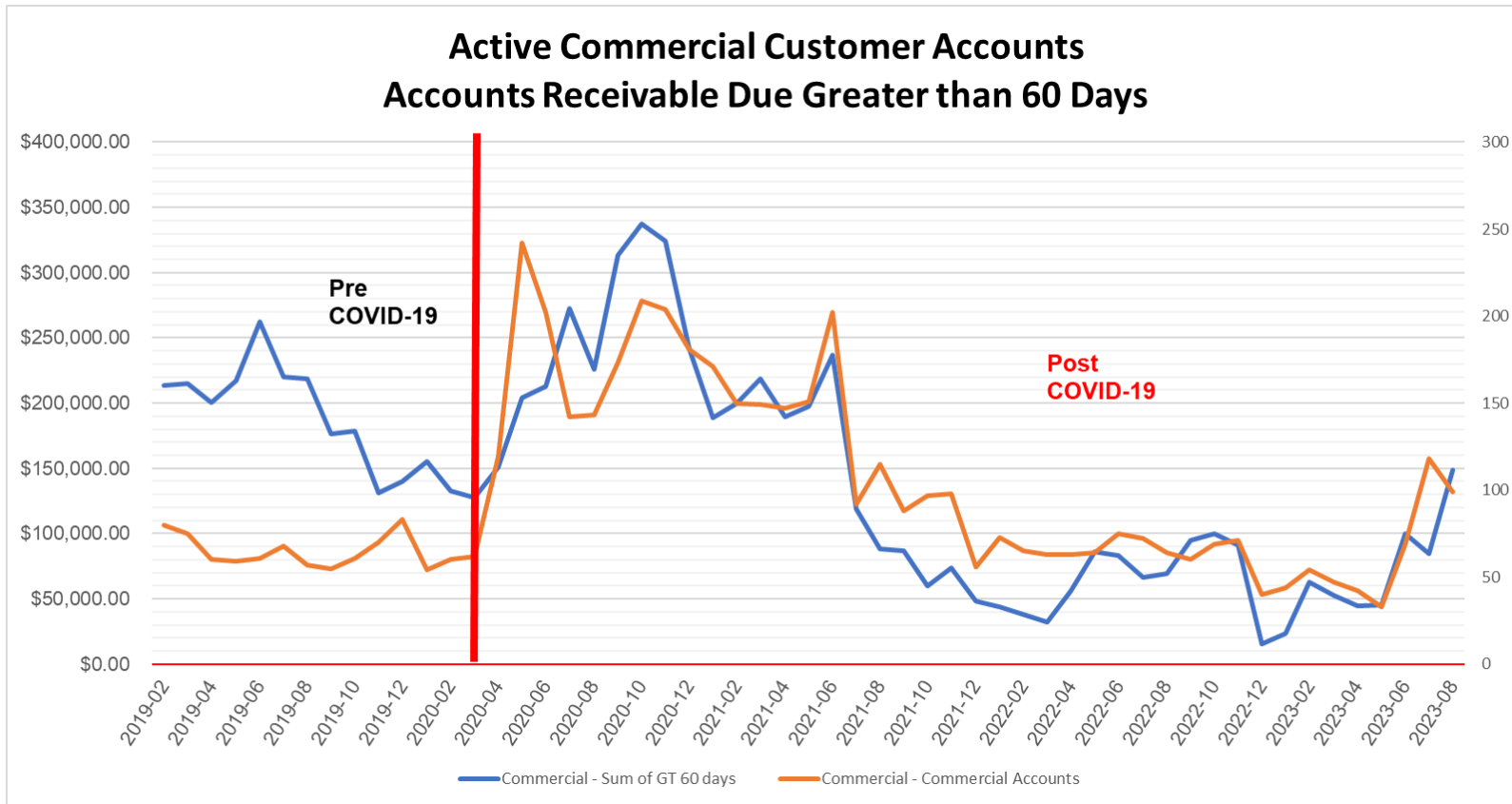


Accounts Receivables – Active Residential Customers ( dated August 14, 2023)





Accounts Receivables – Active Commercial Customers (dated August 14, 2023)





## Highlights of Customer Care Section Operations (July 2023)

- The average wait time for all 3 locations is 9.5 minutes. This additional time was necessary as most customers with bill disputes and inquiries about bills during and after Typhoon Mawar required additional service time to go over data logs and consumption details as compared to just 3.5-minute average wait time for June 2023.
- 146 Typhoon Mawar bill disputes have been recorded as of the end of July 2023.
- There was a decrease of Facebook and Instagram visits as water was restored to most of the island by July 2023. Our average Facebook page responsive rate for July 2023 is 92% as compared to 89% for the month of June 2023.
- 70% of the calls received were handled by voice mail as compared to 45% for June 2023. Many customers received billings for June 2023 during typhoon recovery and Customer Care Representatives addressed inquiries about consumption during this period.
- July 2023 average number of active pay plans slightly lower at 264 compared to 218 for June 2023.
- There was a decrease in emails received @ 504 as compared to last month's total of 783.
- Meter Reading Unit maintains a 98.92% successful electronic read percentage for the month of July 2023 as compared to 99.12% for June 2023.
- 14% of GWA customers in July 2023 had ongoing leaks as compared to 9% for June 2023
- Customer Care Section welcomed 21 DYA Summer Youth Participants in July. The participants successfully prepared over 60 boxes of GWA records for digitizing. See pics of the participants tour of the GWA Laboratory and Meter Test Facility. The participants received training in Understanding your GWA water bill, how to check your house for leakages, and water conservation.





# GWA Financial Overview

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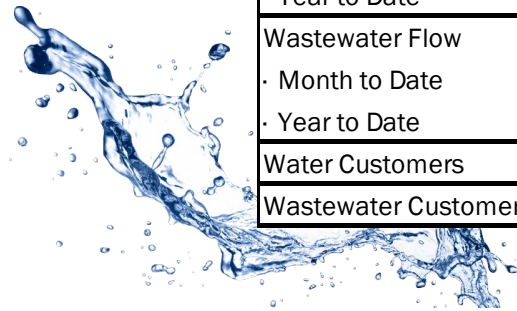
JULY 2023





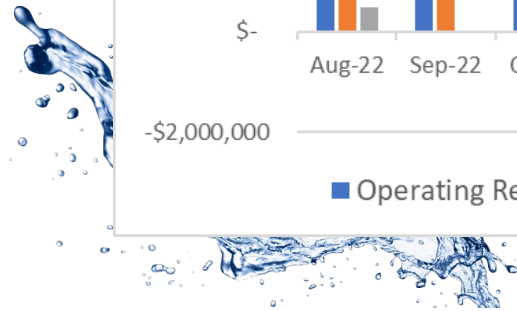
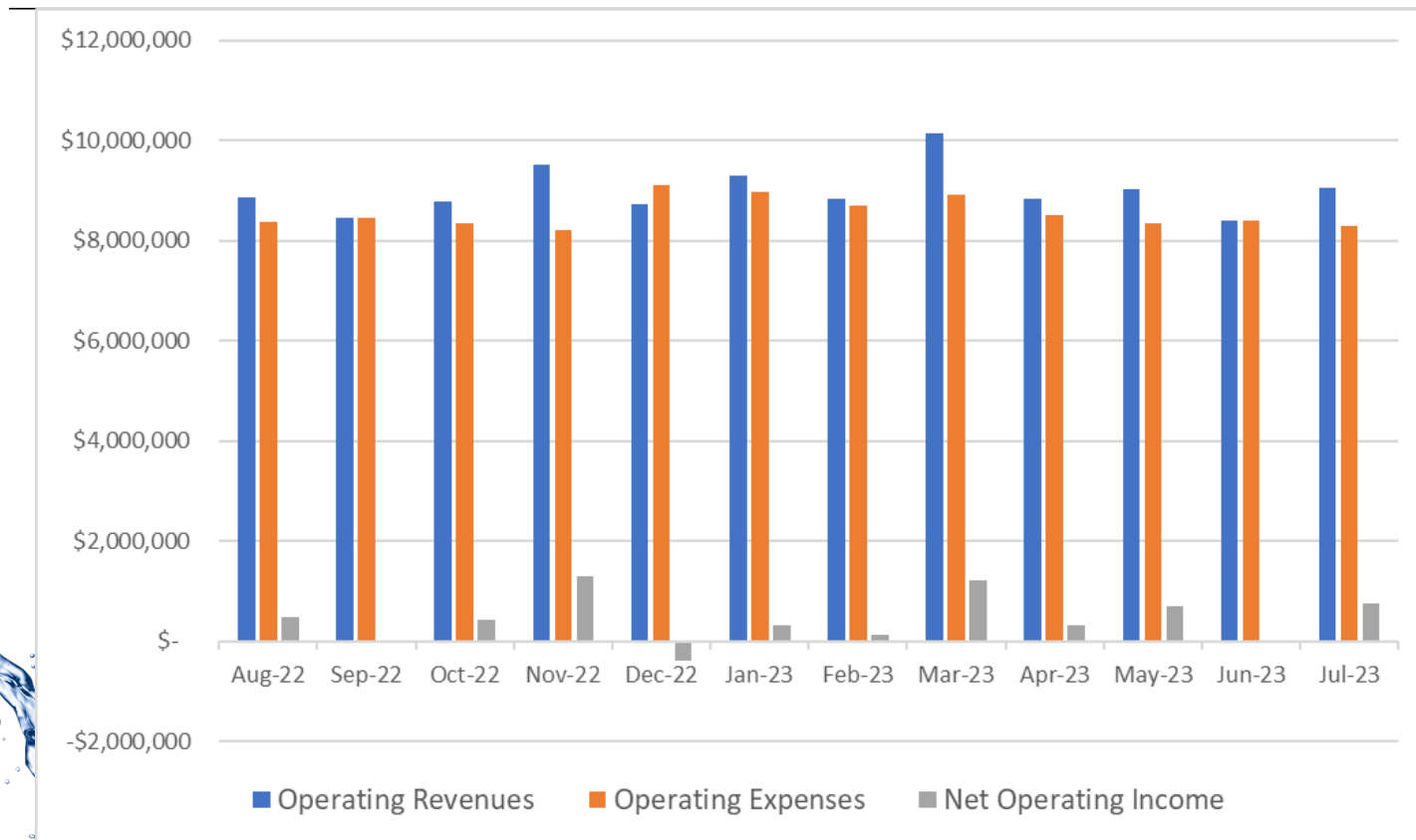
## Key Financial Indicators

Indicator	Target	May-23	Jun-23	Jul-23
DSC YTD				
· Per Section 6.12 of Indenture	1.25	1.35	1.34	1.31
· Per PUC / CCU	1.30	1.35	1.34	1.31
Days – Cash on Hand	120 days	299 days	295 days	273 days
Collection Ratio				
· Month to Date	99%	88%	101%	93%
· Year to Date	99%	97%	97%	97%
Days Billed	30 days	29 days	31 days	31 days
Account Receivable Days	30 days	35 days	35 days	35 days
Account Payable Days	45 days	29 days	29 days	35 days
Employee Count	400 FTE	358 FTE	357 FTE	364 FTE
Water Demand				
· Month to Date	440,748	426,415	405,483	439,401
· Year to Date	4,407,477	3,413,371	3,818,596	4,257,998
Wastewater Flow				
· Month to Date	318,166	313,280	286,851	323,204
· Year to Date	3,181,663	2,526,976	2,813,827	3,137,032
Water Customers	43,658	43,606	43,477	43,588
Wastewater Customers	30,781	30,751	30,844	30,766



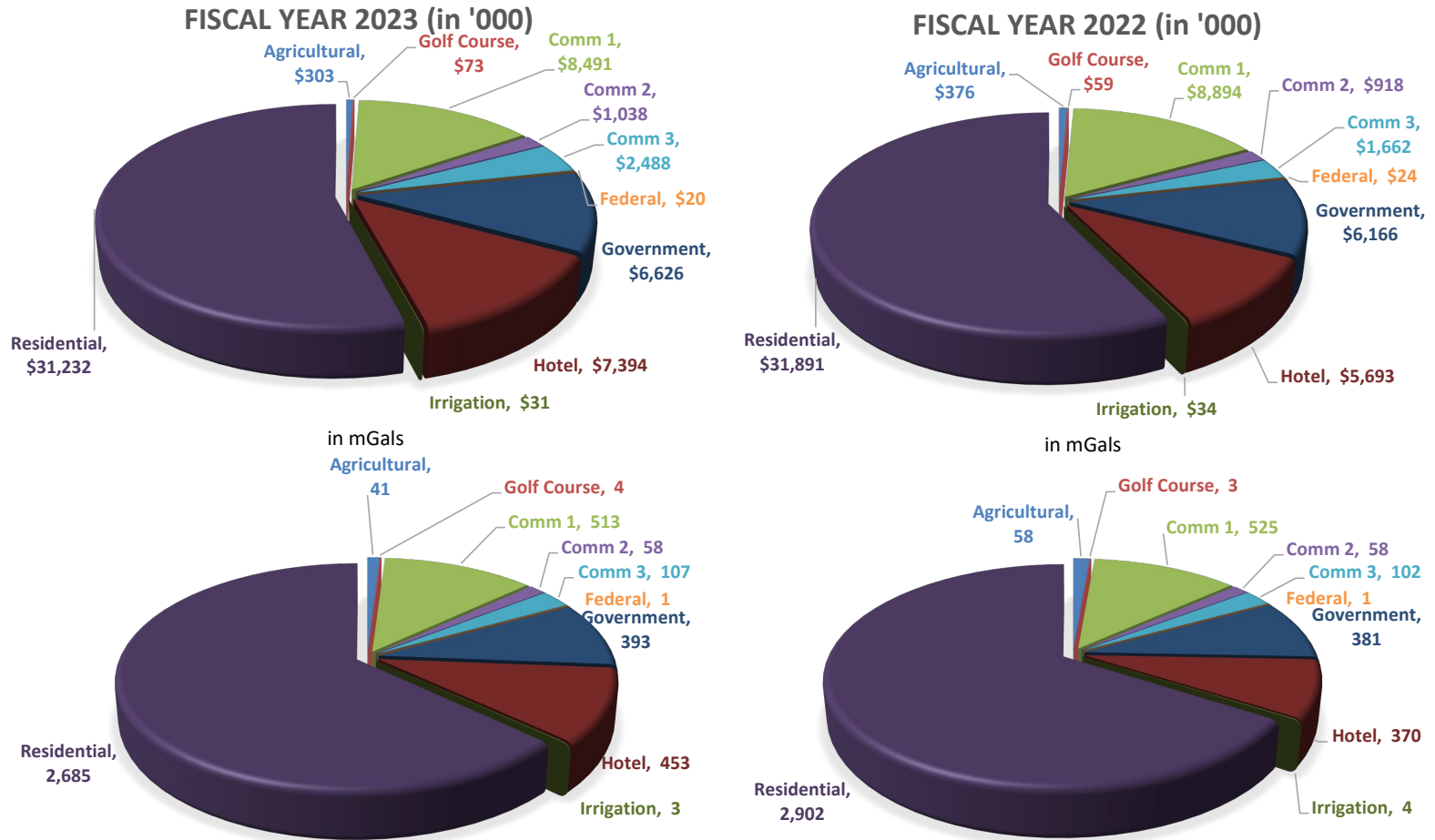


## Income Statement





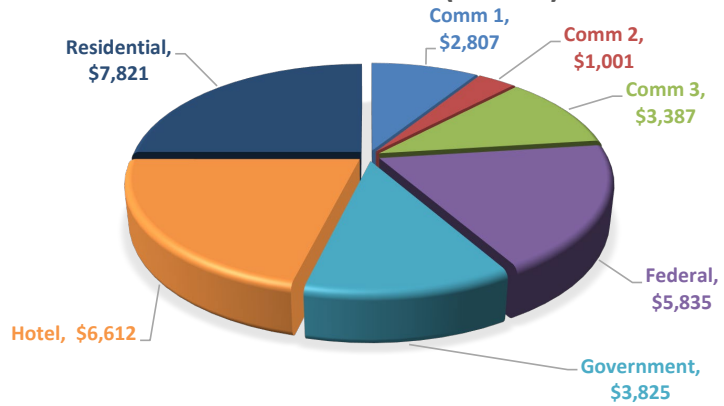
### JULY YTD Water Revenue/Demand by Rate Class



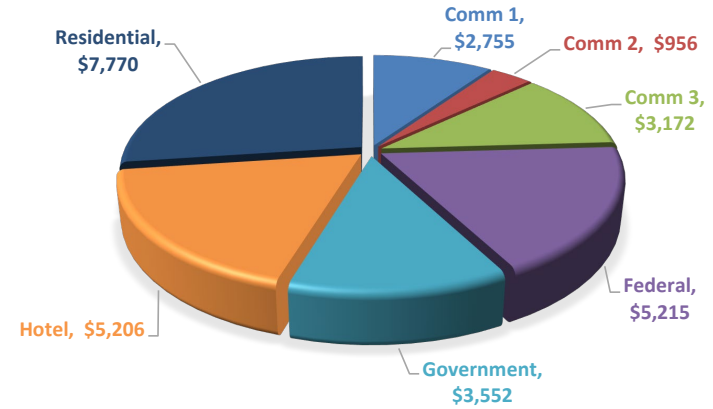


## JULY YTD Waste Water Revenue/FLOW by Rate Class

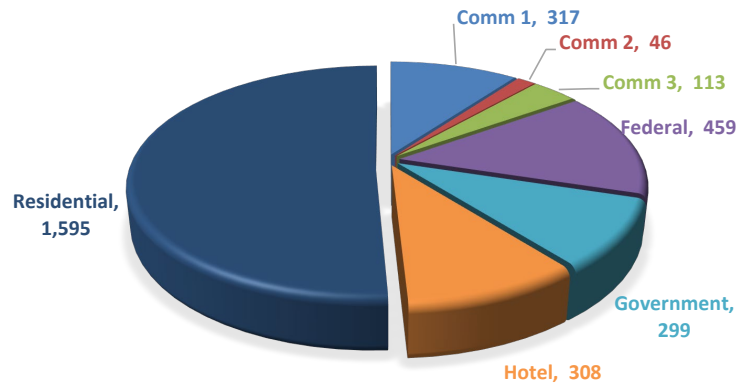
FISCAL YEAR 2023 (in '000)



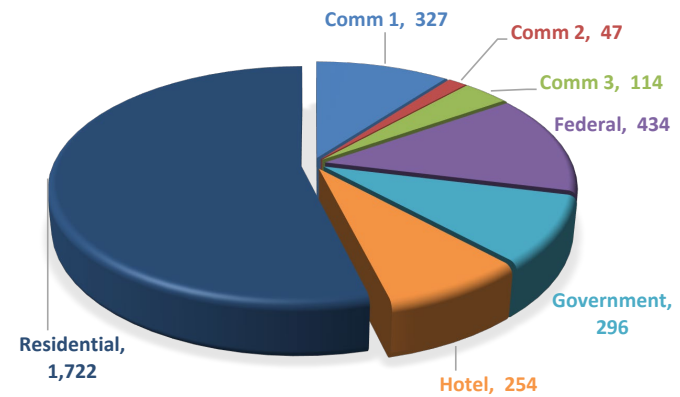
FISCAL YEAR 2022 (in '000)



in mGals



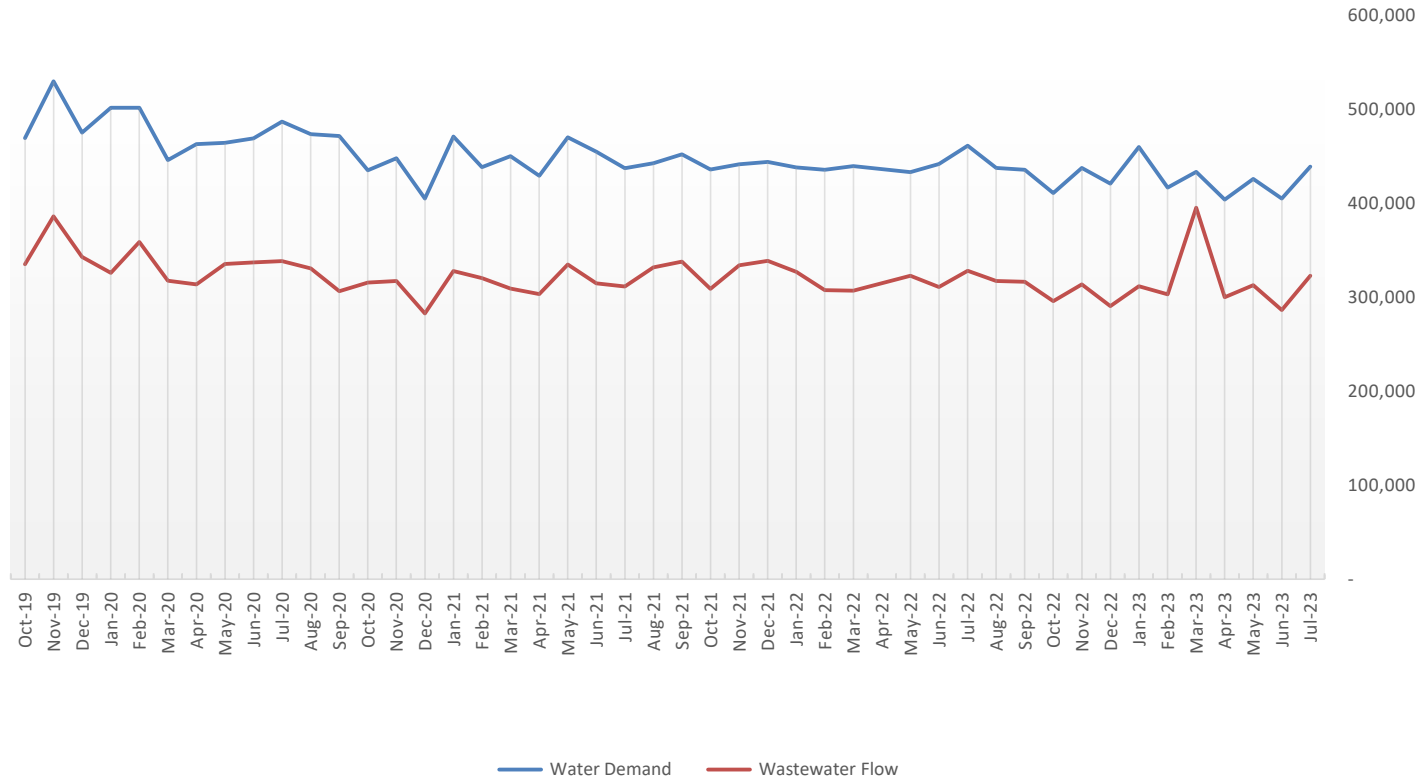
in mGals







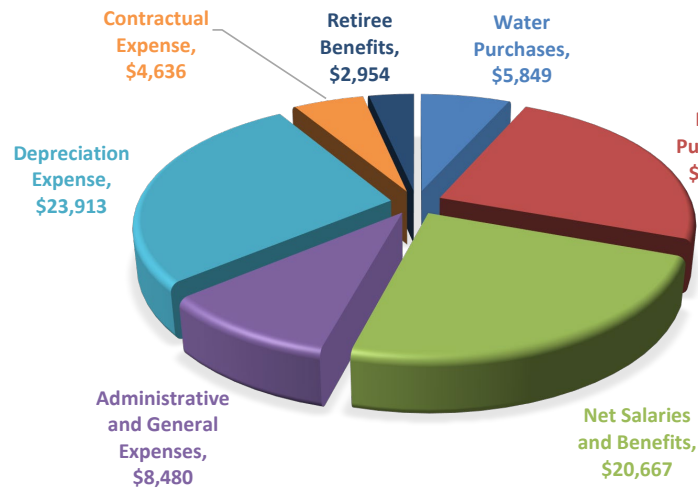
## Water Demand & Wastewater Flow – 4 Years



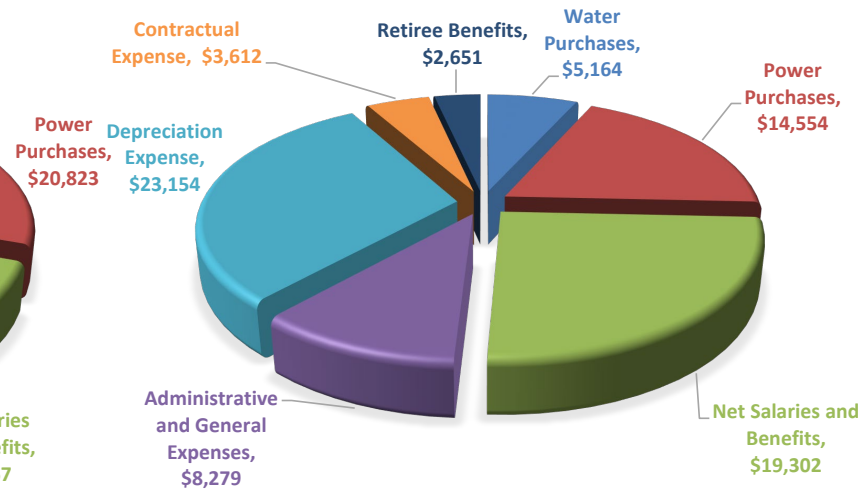


## JULY YTD Expenses by Categories

FY2023 (IN '000)

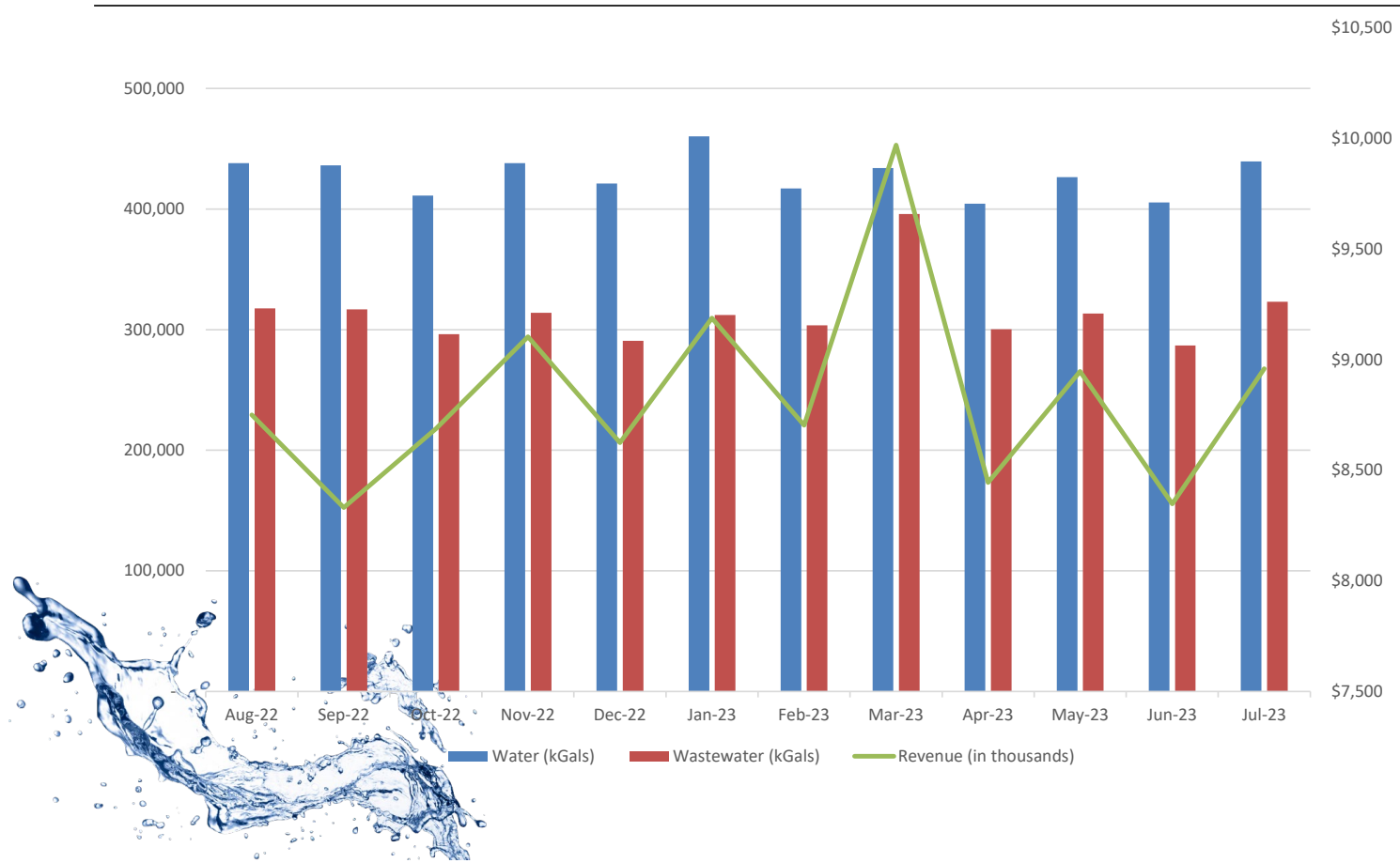


FY2022 (IN '000)



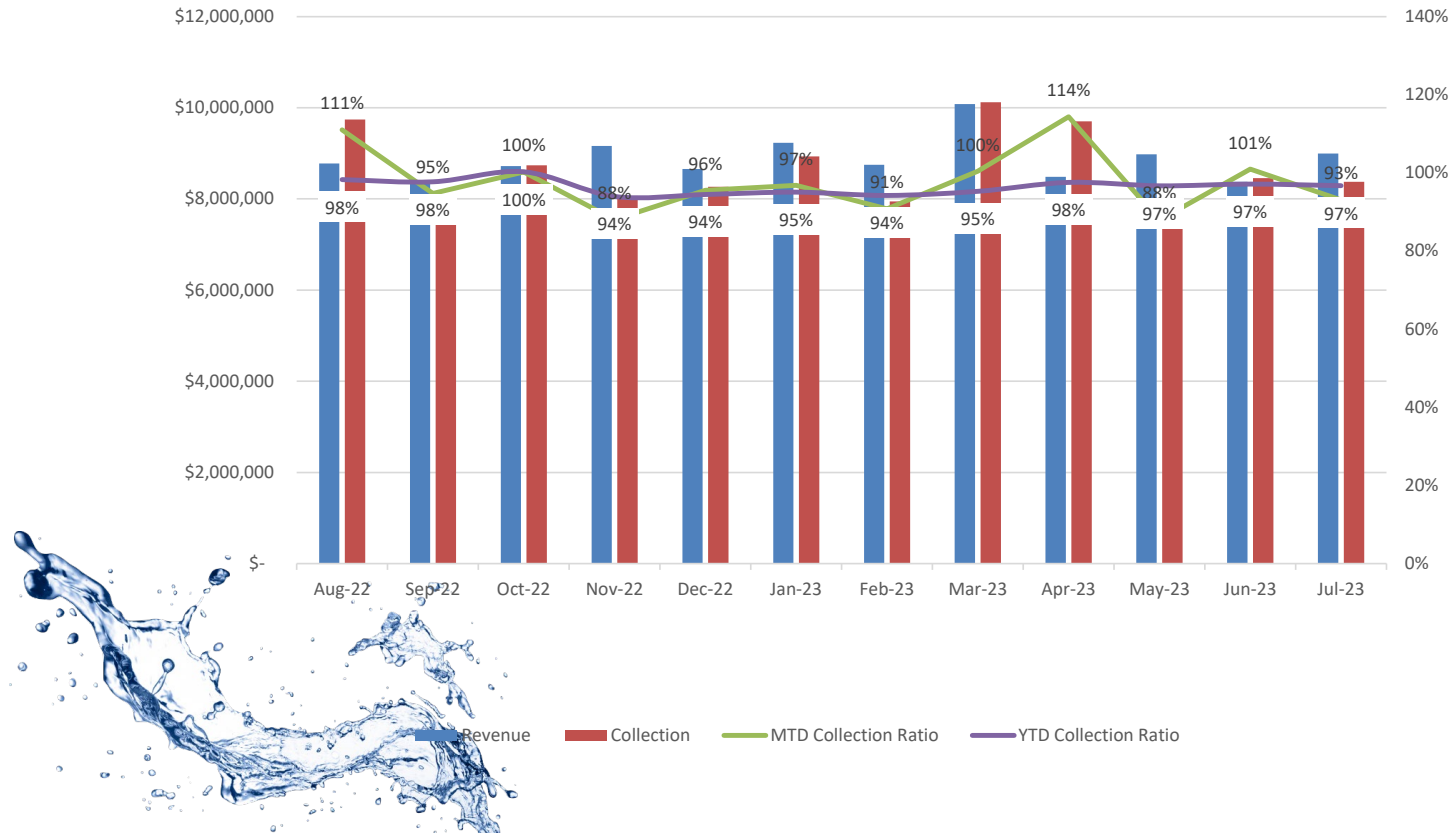


## Overall Revenues and Demand





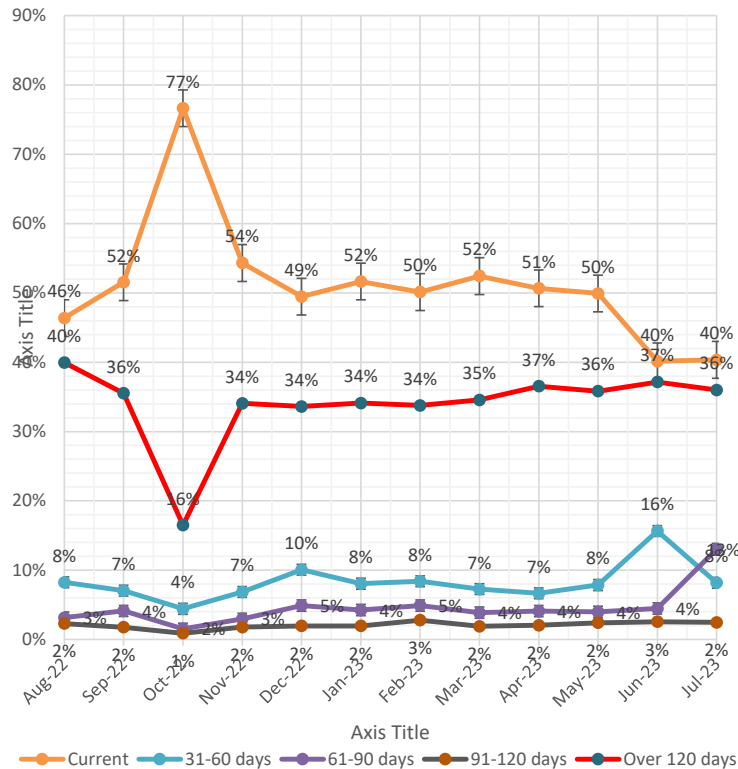
## Overall Revenues and Collections



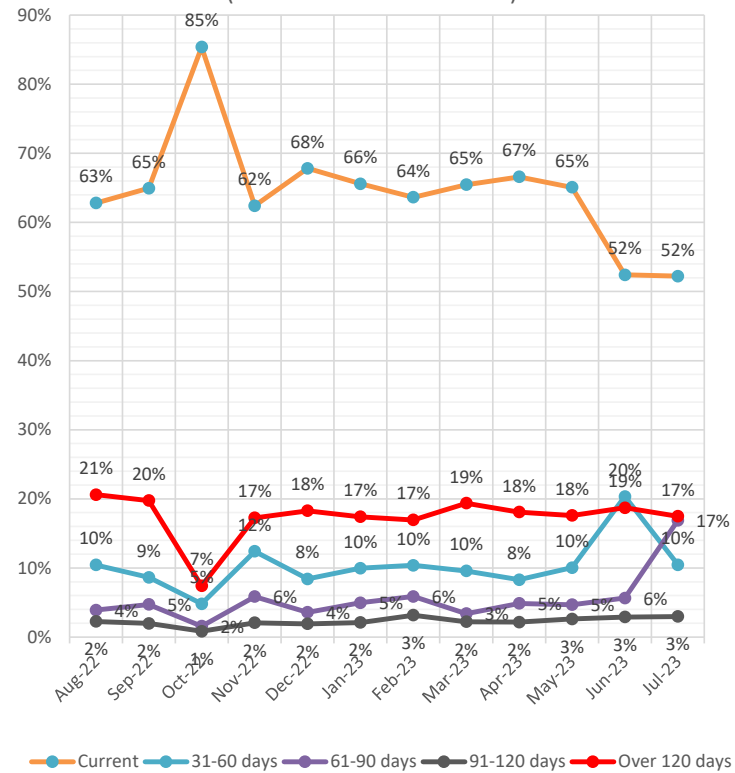


# Overall – AR Aging

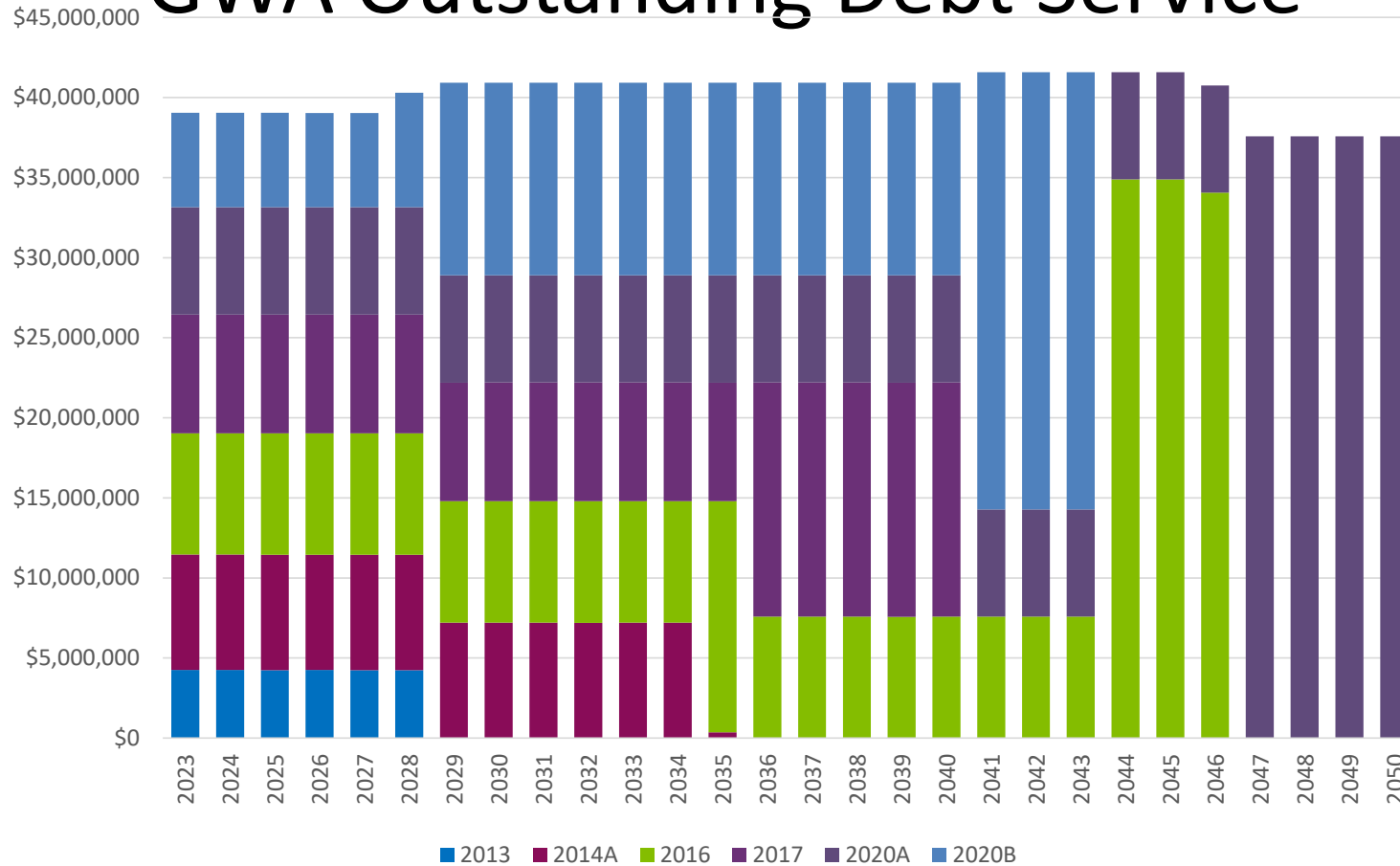
% of Aged AR Balance to Total AR Balance



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



# GWA Outstanding Debt Service



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



## Financial Statement Overview July 2023

### Key Financial Indicators

Indicator	Target	May 2023	June 2023	July 2023
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Water Customers	43,658	43,606	43,477	43,588
Wastewater Customers	30,781	30,751	30,844	30,766

### Water and Wastewater Consumption

Water consumption is 5% less and wastewater flows are 2% less for the month of July compared to last year. Except for agriculture, golf courses, and the Federal government, water consumption decreased in all customer classes. Wastewater flows decreased across all customer classes except for the Federal government and residential classes. Note that billing days in July this year were 31 days compared to 32 days in July last year.

Year to Date (YTD) water demand is down 3% while wastewater flows are down 2% as compared to last year. Increases in the Golf Course, Commercial 3, Hotel and GovGuam customer classes were not sufficient to offset decreases in the other customer classes. Wastewater flows increases in GovGuam, Federal Government, and Hotel customer classes were offset by decreases in the remaining customer classes. Note that the number of YTD billing days through July 2023 of 298 days is 4 days less than the prior year's 302 days. See Schedule K for Water Demand for FY2015 to FY2023.

YTD average daily water consumption for July 2023 of 14,289 kgals is 2% less July 2022's 14,583 kgals. Increases in the Golf Course, Commercial 2 & 3, Hotel, and GovGuam customer classes were not enough to offset decreases in the other customer classes average daily water consumption.



**Balance Sheet (Schedule A)**

- Total Assets & Deferred Outflows of Resources of \$1.22B in September 2022 increased by \$14.2M or 1% to \$1.23B in July 2023. Current Assets increased by \$12.7M primarily due to increases in cash which include American Rescue Plan Act (ARPA) funding from the Governor’s Office. Property, Plant and Equipment decreased by \$2.5M due to depreciation. Other Noncurrent Assets increased by \$5.6M as increases in investments offset decreases in restricted cash used to make payments to contractors and for debt service.
- Liabilities & Deferred Inflow of Resources of \$894.6M in September 2022 increased by \$3.4M or less than 1% to \$898.0M in July 2023 primarily due to increases in Interest Payable and Accrued and Other Liabilities for deferred revenues related to the ARPA grants offset by decreases in Contractors’ Payable.
- Accounts Receivable days in June and July 2023 were 35 days. Accounts Payable days were 35 days in July and 29 days in June 2023. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

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

- Total Operating Revenues for July 2023 of \$9.0M is \$38K less than the budget of \$9.1M. July 2023 Total Operating Revenues are 1% or \$107K less than July 2022’s \$9.15M.
- Total YTD Operating Revenues as of July 2023 of \$90.6M were \$221.9K less than the budget of \$90.8M. Total YTD Operating Revenues as of July 2023 were 6% or \$4.8M more than YTD Operating Revenues of July 2022 of \$85.8M. Note that a rate increase of 5.5% was effective in October 2022.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA’s customer classes for YTD FY2023 and FY2022 as well as the revenue totals:

Customer Class	FY2023		FY2022	
o Residential	\$39,053,429	43.89%	\$39,661,456	47.02%
o Commercial	19,211,925	21.59%	18,356,653	21.76%
o Hotel	14,005,962	15.74%	10,899,472	12.92%
o Government of Guam	10,450,717	11.74%	9,718,026	11.52%
o Federal Government	5,855,485	6.58%	5,238,409	6.21%
o Agriculture, Golf Course, Irrigation	406,569	0.46%	468,671	0.56%
TOTALS	\$88,984,088	100%	\$84,342,686	100.00%

- Total Operating Expenses for July 2023 of \$8.3M were \$682.6K or 8% less than budget of \$9.0M. July 2023 Total Operating Expenses were 3% or \$208.1K more than July 2022’s \$8.1M. The largest increase month over month was in Contractual Expenses, which increased by 68% or \$197.1K; This increase is largely due to increases in equipment rental. Power costs in July dropped by \$17.8K compared to last year.
- YTD Operating Expenses as of July 2023 of \$87.3M were \$2.3M or 3% less than budget of \$89.6M. YTD Operating Expenses as of July 2023 were 14% or \$10.6M more than YTD Operating Expenses as of July 2022’s \$76.7M. The largest increase year over year was Power, which was \$6.3M more or 59% of the overall expenditure increase.





- Earnings from Operations for July 2023 of \$764.1K were 539% or \$644.5K more than the budget of \$119.7K and 29% or \$315.2K less than July 2022's \$1.1M. Change in Net Assets for July 2023 of \$242.9K was 77% or \$832.5K less than the \$1.1M budget and \$2.4M less than July 2022's \$2.6M. The decrease in the Change in Net Assets year over year was mostly due to the reduction in Federal Grant Contributions of \$3.7M.
- YTD Earnings from Operations as of July 2023 of \$3.3M were 174% or \$2.1M more than the budget of \$1.2M and 64% or \$5.8M less than July 2022 YTD's of \$9.1M. YTD Change in Net Assets as of July of \$10.8M was less than 1% or \$25.7K more than the \$10.8M budget and \$3.7M or 25% less than YTD Change in Net Assets at July 2022 of \$14.5M; the decrease in Federal Grant Contributions was offset by interest income and Contributions from the Local Government or ARPA funds.
- At the end of July 2023, the total ARPA funds received for rate mitigation of \$12.4M and \$2.55M of the Rate Stabilization Funds were used to ensure our debt service coverage ratio met the 1.3X coverage target. There is a balance of \$3.1M in the RSF at the end of July 2023.

**Cash Flow (Schedule F)**

- As of June 2023, cash flows from operating activities were \$36.6M, cash from noncapital financing activities was \$12.4M, cash used in capital and financing activities was \$36.97M, and cash from investing activities was \$1.4M resulting in a YTD increase in cash of \$13.5M. Days Cash on Hand for July 2023 was calculated at 273 days compared to June 2023's 295 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

**Customer Payments**

While only 7% of payments are made in cash, more than a third of payments continue to be made in person. Cashier operations have returned back to pre-pandemic conditions in Upper Tumon; the 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 (October through July), approximately 47% 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 2023 – June 2023	166	\$754,679	\$14,394	1.91%
July 2023	63	\$258,257	\$5,193	2.01%

The increase in percentage of fees in July 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. An RFP for merchant services should be issued in the upcoming months.



The Upper Tumon office is open for payments on Saturdays. For the five Saturdays in July, 535 payments totaling \$87,731 were made towards GWA billings and 408 payments totaling \$155,531 were made for GPA.

For the month of July, Finance posted \$40,656 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP). Additionally, GWA posted \$24,362 from eligible homeowners as part of the Guam Homeowners Assistance Fund (GHAF). A total of \$5,582 from the Guam Low Income Household Water Assistance Program was also received and posted for utility payments.

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

GPWA began to accept GSW payments on June 6, 2022. For the month of July, GWA accepted \$90,745 in GSW payments at the Upper Tumon Office. GWA will bill \$1,429 to GSW for processing fees.

***FY2022 Financial Audit / OPA Audit***

Ernst & Young provided the updated financials on August 10 with the adjustments related to the OPEB (Other Post Employment Benefits) analysis for the FY2022 audit. GWA anticipates that the audit should be issued by mid-August.

Partially in response to the Office of Public Accountability's GovGuam wide audit on credit card usage changes to the CCU Credit Card Policy was submitted to the CCU for consideration at their August meeting.

***PUC Filings / GWA Budgets***

A brief conference was held with the PUC's Administrative Law Judge (ALJ) on August 4 to discuss the FY2024 projected true-up and related rate request. Additional Information will be provided to the ALJ by August 11. The ALJ had indicated that the PUC hearing on the FY2024 rate relief will be held in August.

Work on the next five-year financial plan, FY2025-FY2029, has already started with the collection of FY2025 projected expenditures and the ongoing update of the Water Resources Master Plan. The five-year financial plan will be submitted in 2024.

***Rating Agencies***

On July 12, 2023, Fitch affirmed GWA's BBB rating but changed its outlook from stable to negative based on mounting pressure on GWA revenues. Fitch stated that PUC approval of rate adjustments that will generate sufficient funds available for debt service will be critical to stabilizing GWA's rating.

***GVB Visitor Arrivals***

Visitor arrivals for June 2023 of 17,310 dropped 38.8% as compared to arrivals for June 2022 of 28,278 due to the effects of Typhoon Mawar. However, calendar year to date visitors increased 247% from 85,166 to 295,528 and fiscal year to date visitors increased 293% from 109,961 to 431,854. In June 2023, 39% of arrivals were from the United States, 16% of arrivals were from Korea, and 14% were from Japan, indicating the influx of federal officials and non-profit volunteers responding to the typhoon. First time visitors were 30% of the mix and 46.8% were repeat visitors.

**GUAM WATERWORKS AUTHORITY  
July 31, 2023  
FINANCIAL AND RELATED REPORTS  
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CCU Regular Board Meeting - GWA

GUAM WATERWORKS AUTHORITY  
Balance Sheet  
July 31, 2023

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited July 31, 2023	Unaudited September 30, 2022	Increase (Decrease)
<b>Current Assets</b>			
Cash			
Unrestricted (Schedule G)	52,276,196	38,823,824	13,452,371
Restricted Funds (Schedule G)	32,146,845	29,987,985	2,158,860
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$11,588,397 at Jul 31, 2023 and \$9,753,074 at Sept 30, 2022	10,302,084	10,453,822	(151,738)
Federal Receivable	923,709	5,468,327	(4,544,618)
Other Receivable	4,706,372	2,752,585	1,953,786
Prepaid Expenses	723,813	1,733,017	(1,009,204)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$122,856 at Jul 31, 2023 and \$122,856 at Sept 30, 2022	5,494,478	4,667,734	826,744
<b>Total Current Assets</b>	<b>106,573,497</b>	<b>93,887,295</b>	<b>12,686,202</b>
<b>Property, Plant and Equipment</b>			
Utility plant in service			
Water system	429,833,362	420,470,606	9,362,756
Wastewater system	677,540,173	576,276,943	101,263,231
Non-utility property	33,487,678	33,353,690	133,989
Intangible Lease Asset	952,625	952,625	-
<b>Total property</b>	<b>1,141,813,838</b>	<b>1,031,053,863</b>	<b>110,759,975</b>
Less: Accumulated Depreciation	(418,734,112)	(395,119,979)	(23,614,133)
Land	5,287,305	5,287,305	-
Construction Work in Progress	83,644,115	173,276,251	(89,632,136)
<b>Property, Plant and Equipment, net</b>	<b>812,011,146</b>	<b>814,497,440</b>	<b>(2,486,294)</b>
<b>Noncurrent assets</b>			
Restricted cash (Schedule G)	151,191,810	164,999,269	(13,807,459)
Investments (Schedule G)	88,801,949	69,404,193	19,397,756
<b>Total other noncurrent assets and deferred charges</b>	<b>239,993,759</b>	<b>234,403,462</b>	<b>5,590,297</b>
<b>Total Assets</b>	<b>1,158,578,402</b>	<b>1,142,788,197</b>	<b>15,790,206</b>
<b>Deferred outflows of resources</b>			
Regulatory assets	2,685,415	2,614,722	70,692
Debt defeasance due to bond refunding	27,525,362	29,229,855	(1,704,493)
Deferred outflows from pension	7,405,025	7,405,025	-
Deferred outflows from OPEB	36,260,991	36,260,991	-
<b>Total Assets and Deferred Outflows of Resources</b>	<b>1,232,455,195</b>	<b>1,218,298,789</b>	<b>14,156,405</b>
<b>LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS</b>			
<b>Current Liabilities</b>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	3,145,000	3,145,000	-
Series 2014 Refunding Bond	4,005,000	4,005,000	-
Series 2016 Revenue Bond	835,000	835,000	-
Series 2017 Refunding Bond	2,250,000	2,250,000	-
Lease Liability	234,824	234,824	-
Accounts Payable -Trade	4,807,498	4,328,204	479,294
Accrued and Other Liabilities	14,308,622	2,597,735	11,710,887
Interest Payable	16,757,678	7,200,420	9,557,258
Accrued Payroll and Employee Benefits	2,130,181	1,118,809	1,011,372
Current portion of employee annual leave	725,007	725,007	-
Contractors' Payable	5,027,489	23,351,921	(18,324,433)
Customer and Other Deposits	2,444,571	2,275,313	169,259
<b>Total Current Liabilities</b>	<b>56,670,870</b>	<b>52,067,234</b>	<b>4,603,636</b>
<b>Long Term Debt, less current maturities</b>			
Series 2013 Revenue Bond	18,365,000	18,365,000	-
Series 2014 Refunding Bond	60,050,000	60,050,000	-
Series 2016 Revenue Bond	134,140,000	134,140,000	-
Series 2017 Refunding Bond	100,930,000	100,930,000	-
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	37,535,866	38,778,147	(1,242,281)
Lease Liability LT	300,279	300,279	-
Net pension liability	46,038,335	46,038,335	-
Net OPEB obligation	109,298,971	109,298,971	-
Employee Annual Leave, Less Current Portion	995,913	995,913	-
Employee Sick Leave	1,376,504	1,376,504	-
<b>Total Liabilities</b>	<b>865,776,738</b>	<b>862,415,383</b>	<b>3,361,356</b>
<b>Deferred inflows of resources:</b>			
Contribution in Aid of Construction	653,312	638,875	14,437
Deferred inflows from pension	5,176,746	5,176,746	-
Deferred inflows from OPEB	26,413,809	26,413,809	-
<b>Total Liabilities and Deferred Inflows of Resources</b>	<b>898,020,605</b>	<b>894,644,813</b>	<b>3,375,792</b>
<b>Net Assets</b>	<b>334,434,590</b>	<b>323,653,976</b>	<b>10,780,613</b>
<b>Total Liabilities, Deferred Inflows of Resources and Net Assets</b>	<b>1,232,455,195</b>	<b>1,218,298,789</b>	<b>14,156,405</b>

CCU Regular Board Meeting - GWA

GUAM WATERWORKS AUTHORITY  
Statement of Operations and Retained Earnings  
Comparative Budget vs. Actual for the period ending July 31, 2023

SCHEDULE B

	Month to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) July-23	Budget July-23	
<b>OPERATING REVENUES</b>			
Water Revenues	5,742,080	5,703,534	38,547
Wastewater Revenues	2,955,941	2,939,479	16,462
Legislative Surcharge	261,881	258,781	3,101
Other Revenues	34,766	39,245	(4,479)
System Development Charge	48,840	140,572	(91,732)
<b>Total Operating Revenues</b>	<b>9,043,509</b>	<b>9,081,611</b>	<b>(38,101)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	571,916	531,588	(40,328)
Power Purchases	1,843,717	2,322,592	478,876
Total Utility Costs	2,415,632	2,854,180	438,548
Salaries and Wages	1,529,849	1,561,128	31,279
Pension and Benefits	609,533	595,089	(14,444)
Total Salaries and Benefits	2,139,381	2,156,216	16,835
Capitalized Labor and Benefits	(188,326)	(189,453)	(1,128)
Net Salaries and Benefits	1,951,056	1,966,763	15,707
<b>Administrative and General Expenses</b>			
Sludge removal	79,091	59,582	(19,509)
Chemicals	101,917	149,109	47,192
Materials & Supplies	76,361	147,329	70,968
Transportation	35,513	58,457	22,945
Communications	10,771	14,636	3,865
Claims	914	5,204	4,290
Insurance	147,927	147,927	(0)
Training & Travel	3,700	12,233	8,533
Advertising	5,547	9,981	4,434
Miscellaneous	94,617	123,179	28,562
Regulatory Expense	8,667	37,297	28,630
Bad Debts Provision	179,198	176,568	(2,630)
Total Administrative and General Expense	744,222	941,502	197,280
<b>Depreciation Expense</b>	<b>2,403,160</b>	<b>2,394,755</b>	<b>(8,405)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	124,475	178,657	54,183
Building rental	48,377	48,263	(113)
Equipment rental	122,841	38,782	(84,059)
Legal	1,248	52,738	51,490
Laboratory	9,288	39,654	30,367
Other	179,293	133,678	(45,615)
Total Contractual Expense	485,522	491,773	6,251
Retiree Supp. Annuities and health care costs	223,693	256,868	33,175
Contribution to Government of Guam	56,100	56,100	-
Total Retiree Benefits	279,793	312,968	33,175
<b>Total Operating Expenses</b>	<b>8,279,385</b>	<b>8,961,941</b>	<b>682,556</b>
<b>Earnings (Loss) from Operations</b>	<b>764,124</b>	<b>119,670</b>	<b>644,454</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	910,843	647,004	263,839
Interest Income - Other Funds	154,343	89,327	65,016
Interest Income - SDC	9,237	873	8,364
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,356,839)	(2,400,140)	43,301
Contributions from Local Government	850,000	1,033,333	(183,333)
Loss on Asset Disposal	(52,257)	(56,499)	4,242
Amortization of Discount, Premium and Issuance Costs	124,228	124,228	-
Defeasance due to bond refunding	(170,449)	(170,449)	-
Prior Year Adjustment	(16,580)	(7,229)	(9,351)
Total non-operating revenues (expenses)	(547,475)	(739,552)	192,077
<b>Net Income (Loss) before capital contributions</b>	<b>216,650</b>	<b>(619,882)</b>	<b>836,531</b>
<b>Capital Contributions</b>			
Grants from US Government	26,297	1,686,437	(1,660,139)
Grants from Gov/Guam & Others	-	8,937	(8,937)
Total Capital Contributions	26,297	1,695,374	(1,669,076)
<b>Change in Net Assets</b>	<b>242,947</b>	<b>1,075,492</b>	<b>(832,545)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	764,124	119,670	
System Development Charge	(48,840)	(140,572)	
Retiree COLA	56,100	56,100	
Interest/Investment Income	154,343	89,327	
Depreciation	2,403,160	2,394,755	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	675,000	
ARPA Grant	850,000	1,033,333	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>4,178,887</b>	<b>4,227,613</b>	
<b>Debt Service</b>			
Principal	852,917	852,917	
Interest	2,400,140	2,400,140	
<b>Total</b>	<b>3,253,056</b>	<b>3,253,056</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.28</b>	<b>1.30</b>	
<b>Debt Service Coverage (1.30X) (PUC)</b>	<b>1.28</b>	<b>1.30</b>	

CCU Regular Board Meeting - GWA

GUAM WATERWORKS AUTHORITY  
Statement of Operations and Retained Earnings  
Comparative for the period ending July 31, 2023 and 2022

SCHEDULE C

	Month to Date		Variance Increase / (Decrease)
	Actual (Unaudited) July-23	Actual (Unaudited) July-22	
<b>OPERATING REVENUES</b>			
Water Revenues	5,742,080	5,725,123	16,958
Wastewater Revenues	2,955,941	2,980,108	(24,167)
Legislative Surcharge	261,881	269,044	(7,163)
Other Revenues	34,766	35,115	(350)
System Development Charge	48,840	141,177	(92,336)
<b>Total Operating Revenues</b>	<b>9,043,509</b>	<b>9,150,567</b>	<b>(107,058)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	571,916	493,953	77,962
Power Purchases	1,843,717	1,861,516	(17,799)
Total Utility Costs	2,415,632	2,355,469	60,163
Salaries and Wages	1,529,849	1,630,802	(100,953)
Pension and Benefits	609,533	612,877	(3,345)
Total Salaries and Benefits	2,139,381	2,243,679	(104,298)
Capitalized Labor and Benefits	(188,326)	(318,116)	129,791
Net Salaries and Benefits	1,951,056	1,925,563	25,493
<b>Administrative and General Expenses</b>			
Sludge removal	79,091	64,783	14,308
Chemicals	101,917	233,870	(131,953)
Materials & Supplies	76,361	90,013	(13,652)
Transportation	35,513	56,876	(21,364)
Communications	10,771	12,214	(1,443)
Claims	914	-	914
Insurance	147,927	147,927	-
Training & Travel	3,700	8,555	(4,855)
Advertising	5,547	4,100	1,447
Miscellaneous	94,617	93,301	1,316
Regulatory Expense	8,667	17,103	(8,436)
Bad Debts Provision	179,198	180,794	(1,596)
Total Administrative and General Expense	744,222	909,537	(165,314)
<b>Depreciation Expense</b>	<b>2,403,160</b>	<b>2,329,010</b>	<b>74,150</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	124,475	115,886	8,588
Building rental	48,377	42,397	5,979
Equipment rental	122,841	27,066	95,776
Legal	1,248	-	1,248
Laboratory	9,288	5,000	4,288
Other	179,293	98,054	81,239
Total Contractual Expense	485,522	288,404	197,118
Retiree Supp. Annuities and health care costs	223,693	211,395	12,298
Contribution to Government of Guam	56,100	51,833	4,267
Total Retiree Benefits	279,793	263,229	16,564
<b>Total Operating Expenses</b>	<b>8,279,385</b>	<b>8,071,211</b>	<b>208,174</b>
<b>Earnings (Loss) from Operations</b>	<b>764,124</b>	<b>1,079,356</b>	<b>(315,232)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	910,843	222,385	688,458
Interest Income - Other Funds	154,343	30,034	124,308
Interest Income - SDC	9,237	1,745	7,492
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,356,839)	(2,417,036)	60,197
Contributions from Local Government	850,000	-	850,000
Loss on Asset Disposal	(52,257)	-	(52,257)
Amortization of Discount, Premium and Issuance Costs	124,228	156,349	(32,121)
Defeasance due to bond refunding	(170,449)	(171,398)	949
Prior Year Adjustment	(16,580)	(26,102)	9,522
Total non-operating revenues (expenses)	(547,475)	(2,204,023)	1,656,548
<b>Net Income (Loss) before capital contributions</b>	<b>216,650</b>	<b>(1,124,667)</b>	<b>1,341,316</b>
<b>Capital Contributions</b>			
Grants from US Government	26,297	3,757,879	(3,731,581)
Total Capital Contributions	26,297	3,757,879	(3,731,581)
<b>Change in Net Assets</b>	<b>242,947</b>	<b>2,633,212</b>	<b>(2,390,265)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	764,124	1,079,356	
System Development Charge	(48,840)	(141,177)	
Retiree COLA	56,100	51,833	
Interest/Investment Income	154,343	30,034	
Depreciation	2,403,160	2,329,010	
Plus withdrawals (deposits) to Rate Stabilization Fund	-	800,000	
ARPA Grant	850,000	-	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>4,178,887</b>	<b>4,149,057</b>	
<b>Debt Service</b>			
Principal	852,917	812,083	
Interest	2,400,140	1,976,089	
<b>Total</b>	<b>3,253,056</b>	<b>2,788,172</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.28</b>	<b>1.49</b>	
<b>Debt Service Coverage (1.30X) (PUC)</b>	<b>1.28</b>	<b>1.49</b>	

CCU Regular Board Meeting - GWA

GUAM WATERWORKS AUTHORITY  
Statement of Operations and Retained Earnings  
Comparative Budget vs. Actual for the period ending July 31, 2023

SCHEDULE D

	Year to Date		Variance Favorable / (Unfavorable)
	Actual (Unaudited) July-23	Budget July-23	
<b>OPERATING REVENUES</b>			
Water Revenues	55,893,271	57,035,336	(1,142,065)
Wastewater Revenues	30,497,815	29,394,794	1,103,021
Legislative Surcharge	2,593,002	2,587,806	5,196
Other Revenues	439,716	392,451	47,266
System Development Charge	1,170,389	1,405,723	(235,334)
<b>Total Operating Revenues</b>	<b>90,594,193</b>	<b>90,816,109</b>	<b>(221,916)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	5,848,665	5,315,879	(532,786)
Power Purchases	20,822,747	23,225,925	2,403,177
Total Utility Costs	26,671,412	28,541,803	1,870,391
Salaries and Wages	16,692,038	15,611,277	(1,080,760)
Pension and Benefits	6,270,305	5,950,885	(319,420)
Total Salaries and Benefits	22,962,343	21,562,163	(1,400,180)
Capitalized Labor and Benefits	(2,295,547)	(1,894,534)	401,013
Net Salaries and Benefits	20,666,796	19,667,629	(999,167)
<b>Administrative and General Expenses</b>			
Sludge removal	532,733	595,825	63,091
Chemicals	1,294,425	1,491,088	196,663
Materials & Supplies	1,468,423	1,473,287	4,864
Transportation	465,779	584,573	118,794
Communications	95,899	146,359	50,460
Claims	33,636	52,044	18,408
Insurance	1,479,268	1,479,268	0
Training & Travel	86,270	122,332	36,062
Advertising	65,948	99,807	33,859
Miscellaneous	1,030,895	1,231,788	200,893
Regulatory Expense	147,187	372,971	225,784
Bad Debts Provision	1,779,682	1,765,679	(14,002)
Total Administrative and General Expense	8,480,146	9,415,020	934,874
<b>Depreciation Expense</b>	<b>23,912,664</b>	<b>23,947,550</b>	<b>34,886</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	1,590,591	1,786,572	195,980
Building rental	478,121	482,632	4,511
Equipment rental	550,647	387,818	(162,829)
Legal	492,557	527,382	34,825
Laboratory	209,936	396,541	186,605
Other	1,314,403	1,336,782	22,378
Total Contractual Expense	4,636,256	4,917,726	281,470
Retiree Supp. Annuities and health care costs	2,392,591	2,568,681	176,090
Contribution to Government of Guam	561,000	561,000	-
Total Retiree Benefits	2,953,591	3,129,681	176,090
<b>Total Operating Expenses</b>	<b>87,320,866</b>	<b>89,619,410</b>	<b>2,298,544</b>
<b>Earnings (Loss) from Operations</b>	<b>3,273,327</b>	<b>1,196,700</b>	<b>2,076,628</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	7,926,094	6,470,041	1,456,054
Interest Income - Other Funds	1,204,382	893,270	311,112
Interest Income - SDC	56,364	8,730	47,634
Interest Expense - 2010/13/14/16/17/20 Series Bond	(23,958,097)	(24,001,398)	43,301
Contributions from Local Government	12,400,000	10,333,333	2,066,667
Federal Expenditures	(25,000)	-	(25,000)
Loss on Asset Disposal	(336,469)	(564,989)	228,520
Amortization of Discount, Premium and Issuance Costs	1,242,281	1,242,281	-
Defeasance due to bond refunding	(1,704,493)	(1,704,493)	-
Prior Year Adjustment	(165,126)	(72,291)	(92,835)
Total non-operating revenues (expenses)	(3,360,063)	(7,395,516)	4,035,453
<b>Net Income (Loss) before capital contributions</b>	<b>(6,086,736)</b>	<b>(6,198,817)</b>	<b>6,112,081</b>
<b>Capital Contributions</b>			
Grants from US Government	10,806,600	16,864,366	(6,057,766)
Grants from GovGuam & Others	60,749	89,371	(28,623)
Total Capital Contributions	10,867,349	16,953,737	(6,086,388)
<b>Change in Net Assets</b>	<b>10,780,613</b>	<b>10,754,921</b>	<b>25,693</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	3,273,327	1,196,700	
System Development Charge	(1,170,389)	(1,405,723)	
Retiree COLA	561,000	561,000	
Interest/Investment Income	1,204,382	893,270	
Depreciation	23,912,664	23,947,550	
Plus withdrawals (deposits) to Rate Stabilization Fund	2,550,000	6,750,000	
ARPA Grant	12,400,000	10,333,333	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>42,730,984</b>	<b>42,276,130</b>	
<b>Debt Service</b>			
Principal	8,529,167	8,529,167	
Interest	24,001,398	24,001,398	
<b>Total</b>	<b>32,530,565</b>	<b>32,530,565</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.31</b>	<b>1.30</b>	
<b>Debt Service Coverage (1.30X) (PUC)</b>	<b>1.31</b>	<b>1.30</b>	

CCU Regular Board Meeting - GWA

GUAM WATERWORKS AUTHORITY  
Statement of Operations and Retained Earnings  
Comparative for the period ending July 31, 2023 and 2022

SCHEDULE E

	Year to Date		Variance Increase / (Decrease)
	Actual (Unaudited) July-23	Actual (Unaudited) July-22	
<b>OPERATING REVENUES</b>			
Water Revenues	55,893,271	53,940,354	1,952,917
Wastewater Revenues	30,497,815	27,901,245	2,596,570
Legislative Surcharge	2,593,002	2,501,087	91,915
Other Revenues	439,716	398,215	41,502
System Development Charge	1,170,389	1,077,268	93,121
<b>Total Operating Revenues</b>	<b>90,594,193</b>	<b>85,818,168</b>	<b>4,776,025</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	5,848,665	5,164,228	684,437
Power Purchases	20,822,747	14,553,819	6,268,928
Total Utility Costs	26,671,412	19,718,047	6,953,365
Salaries and Wages	16,692,038	15,879,960	812,077
Pension and Benefits	6,270,305	6,101,202	169,103
Total Salaries and Benefits	22,962,343	21,981,163	981,181
Capitalized Labor and Benefits	(2,295,547)	(2,679,051)	383,505
Net Salaries and Benefits	20,666,796	19,302,111	1,364,685
<b>Administrative and General Expenses</b>			
Sludge removal	532,733	596,869	(64,135)
Chemicals	1,294,425	1,523,857	(229,431)
Materials & Supplies	1,468,423	1,418,875	49,547
Transportation	465,779	554,194	(88,415)
Communications	95,899	126,436	(30,537)
Claims	33,636	60,923	(27,287)
Insurance	1,479,268	1,003,339	475,929
Training & Travel	86,270	45,541	40,729
Advertising	65,948	47,845	18,102
Miscellaneous	1,030,895	1,037,999	(7,104)
Regulatory Expense	147,187	175,326	(28,139)
Bad Debts Provision	1,779,682	1,688,162	91,520
Total Administrative and General Expense	8,480,146	8,279,367	200,779
<b>Depreciation Expense</b>	<b>23,912,664</b>	<b>23,153,735</b>	<b>758,929</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	1,590,591	1,160,609	429,982
Building rental	478,121	423,973	54,148
Equipment rental	550,647	319,733	230,914
Legal	492,557	285,586	206,971
Laboratory	209,936	183,410	26,527
Other	1,314,403	1,238,552	75,851
Total Contractual Expense	4,636,256	3,611,863	1,024,393
Retiree Supp. Annuities and health care costs	2,392,591	2,132,922	259,669
Contribution to Government of Guam	561,000	518,333	42,667
Total Retiree Benefits	2,953,591	2,651,255	302,336
<b>Total Operating Expenses</b>	<b>87,320,866</b>	<b>76,716,379</b>	<b>10,604,487</b>
<b>Earnings (Loss) from Operations</b>	<b>3,273,327</b>	<b>9,101,789</b>	<b>(5,828,462)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	7,926,094	355,966	7,570,129
Interest Income - Other Funds	1,204,382	54,244	1,150,138
Interest Income - SDC	56,364	7,049	49,315
Interest Expense - 2010/13/14/16/17/20 Series Bond	(23,958,097)	(24,534,088)	575,991
Contributions from Local Government	12,400,000	-	12,400,000
Federal Expenditures	(25,000)	-	(25,000)
Loss on Asset Disposal	(336,469)	(191,873)	(144,596)
Amortization of Discount, Premium and Issuance Cos	1,242,281	1,563,490	(321,209)
Defeasance due to bond refunding	(1,704,493)	(1,713,985)	9,492
Prior Year Adjustment	(165,126)	131,550	(296,675)
Total non-operating revenues (expenses)	(3,360,063)	(24,327,647)	20,967,584
<b>Net Income (Loss) before capital contributions</b>	<b>(86,736)</b>	<b>(15,225,858)</b>	<b>15,139,122</b>
<b>Capital Contributions</b>			
Grants from US Government	10,806,600	29,677,091	(18,870,490)
Grants from GovGuam & Others	60,749	-	60,749
Total Capital Contributions	10,867,349	29,677,091	(18,809,742)
<b>Change in Net Assets</b>	<b>10,780,613</b>	<b>14,451,233</b>	<b>(3,670,620)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	3,273,327	9,101,789	
System Development Charge	(1,170,389)	(1,077,268)	
Retiree COLA	561,000	518,333	
Interest/Investment Income	1,204,382	54,244	
Depreciation	23,912,664	23,153,735	
Fund	2,550,000	4,250,000	
ARPA Grant	12,400,000	-	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>42,730,984</b>	<b>36,000,833</b>	
<b>Debt Service</b>			
Principal	8,529,167	8,120,833	
Interest	24,001,398	19,760,891	
<b>Total</b>	<b>32,530,565</b>	<b>27,881,724</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12</b>	<b>1.31</b>	<b>1.29</b>	
<b>Debt Service Coverage (1.30X) (PUC)</b>	<b>1.31</b>	<b>1.29</b>	



## SCHEDULE F

Guam Waterworks Authority Statement of Cash Flows (Unaudited) FY2023	YTD Jul-23
<b>Cash flows from operating activities:</b>	
Cash received from trade and others	87,111,028
Cash payments to suppliers/contractors for goods and services	(25,621,055)
Cash payments to employees for services	(24,904,562)
<b>Net cash provided by operating activities</b>	<u>36,585,411</u>
<b>Cash flows from noncapital financing activities:</b>	
Receipts from the Local Government operating grant	12,400,000
<b>Cash flows from capital and related financing activities:</b>	
Contributed capital received (grants)	15,411,967
Acquisition of utility plant	(37,791,725)
Repayment of Long Term Debt	462,212
Interest expense	(15,053,177)
<b>Net cash provided by (used in) capital and related financing activities</b>	<u>(36,970,722)</u>
<b>Cash flows from investing activities:</b>	
Transfers from (to) restricted fund	(7,749,157)
Interest income received	9,186,840
<b>Net cash provided by investing activities</b>	<u>1,437,683</u>
Net increase (decrease) in cash	13,452,371
Unrestricted cash at beginning of the period	38,823,824
<b>Unrestricted cash at end of period</b>	<u>52,276,196</u>
Reconciliation of operating loss to net cash provided by operating activities:	
<b>Operating Income (loss)</b>	3,273,327
Adjustments to reconcile to net cash provided by operating activities:	
Depreciation expense	23,912,664
Bad debts (recovery)	1,779,682
Capitalized labor and benefits	(2,295,547)
Recovery of provision for inventory obsolescence	-
Non-cash pension costs	-
(Increase) decrease in assets:	
Accounts receivable	(3,581,731)
Materials and supplies inventory	(826,744)
Prepaid expenses	1,009,204
Regulatory Assets	(70,692)
Increase (decrease) in liabilities:	
Accounts payable	479,294
Accrued payroll and employee benefits	1,011,372
Customer deposits	169,259
Other liabilities	11,725,323
<b>Net cash provided by operating activities</b>	<u>36,585,411</u>

**GUAM WATERWORKS AUTHORITY**  
**Restricted and Unrestricted Cash Summary**  
**FY2023**

**SCHEDULE G**

Description	Unaudited July 31, 2023	Unaudited September 30, 2022	Increase (Decrease)
<b>UNRESTRICTED</b>			
Change Fund	2,000	2,000	-
Petty Cash	3,930	3,930	-
BOG Deposit Accounts	25,328,555	12,033,170	13,295,385
BOG O & M Reserve	14,303,327	13,915,501	387,826
BOG CapEx Fund	9,471,357	7,219,224	2,252,134
BOG Rate Stabilization Fund	3,167,027	5,650,000	(2,482,973)
<b>Sub-total Unrestricted</b>	<b>52,276,196</b>	<b>38,823,824</b>	<b>13,452,371</b>
<b>RESTRICTED</b>			
ANZ Bank	-	693	(693)
Bank Pacific	11,426	13,774	(2,348)
Bank of Hawaii	325,031	191,163	133,867
Community First FCU	2,687	4,044	(1,357)
First Hawaiian Bank	77,333	88,820	(11,488)
Bank Pacific Surcharge	2,527,889	87,530	2,440,358
Bank Pacific Escrow Deposit	958,687	843,058	115,629
BOG Customer Refunds	2,196,292	2,108,598	87,694
BOG Emergency Reserve Fund	-	6,246	(6,246)
BOG Sewer Hookup Revolving Fund	2,070,818	64,373	2,006,446
BOG Operation and Maintenance Fund	3,100,194	3,083,482	16,713
BOG Revenue Trust	436,619	850,831	(414,212)
BOG Revenue Trust Fund	8,131,508	7,749,670	381,839
BOG Capital Improvement Revenue Fund	7,133,010	7,487,283	(354,273)
	<b>26,971,494</b>	<b>22,579,565</b>	<b>4,391,929</b>
BOG - SDC Deposit	1,175,351	1,158,420	16,931
BOG - SDC CDs	4,000,000	6,250,000	(2,250,000)
<b>Total SDC</b>	<b>5,175,351</b>	<b>7,408,420</b>	<b>(2,233,069)</b>
<b>Total Restricted</b>	<b>32,146,845</b>	<b>29,987,985</b>	<b>2,158,860</b>
<b>Reserve Funds</b>			
BOG Series 2013 Construction Fund	3,438,049	4,236,835	(798,786)
BOG Series 2016 Construction Fund	27,497,542	38,621,743	(11,124,201)
BOG Series 2017 Refunding Construction Fund	3,659,339	4,133,026	(473,687)
BOG Series 2020A Construction Fund	111,925,471	118,006,420	(6,080,949)
BOG CIF-Construction Fund Transfers	4,671,409	-	4,671,409
BOG Series 2020A Capitalized Interest Fund	-	1,245	(1,245)
<b>Total Restricted - Held by Trustee</b>	<b>151,191,810</b>	<b>164,999,269</b>	<b>(13,807,459)</b>
BOG OMRRRF Fund	17,490,316	17,423,213	67,103
USB Series 2013 Debt Service Fund	4,458,186	1,400,508	3,057,677
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Reserve Fund	14,984,992	9,700,178	5,284,814
USB Series 2016 Debt Service Fund	4,982,550	1,967,736	3,014,814
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	5,582,220	1,907,628	3,674,592
USB Series 2020A Debt Service Fund	3,967,104	1,678,906	2,288,198
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	3,486,733	1,476,176	2,010,557
<b>Total Investments</b>	<b>88,801,949</b>	<b>69,404,193</b>	<b>19,397,756</b>
<b>Total Restricted and Unrestricted Cash</b>	<b>324,416,800</b>	<b>303,215,271</b>	<b>21,201,529</b>

CCU Regular Board Meeting - GWA

Guam Waterworks Authority  
 Accounts Receivable - Government (Active)  
 July 31, 2023

SCHEDULE H

Customer Name	A G I N G						Total
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	
<b>Autonomous Agencies (Active)</b>							
Guam Int'l Airport Authority	8	64	63	63	63	262,377	262,631
Guam Power Authority	25	30,928	10,735	-	-	-	41,663
Guam Housing & Urban Renewal Authority	10	6,370	6,498	-	-	-	12,868
Guam Solid Waste Authority	4	854	623	61	56	43	1,638
Port Authority of Guam	5	1,301	-	-	-	-	1,301
Guam Housing Corporation	1	35	38	-	-	-	72
<b>Total Autonomous Agencies</b>	<b>53</b>	<b>39,551</b>	<b>17,958</b>	<b>125</b>	<b>119</b>	<b>262,421</b>	<b>320,173</b>
<b>Semi-Autonomous Agencies (Active)</b>							
University of Guam	48	99,782	-	-	-	-	99,782
Guam Memorial Hospital Authority	3	37,214	27	27	27	13,856	51,151
Guam Community College	3	5,020	1,502	6,071	3,544	9,739	25,876
<b>Total Semi-Autonomous Agencies</b>	<b>54</b>	<b>142,016</b>	<b>1,530</b>	<b>6,098</b>	<b>3,571</b>	<b>23,594</b>	<b>176,809</b>
<b>Line Agencies (Active)</b>							
Department of Education	52	305,507	138,127	2,008,685	35,529	3,021	2,490,869
Department of Corrections	9	95,861	90,029	-	-	-	185,890
Department of Parks & Recreation	13	61,101	12,518	-	-	-	73,619
Department of Chamorro Affairs	7	5,110	9,865	14,334	-	-	29,309
Department of Public Works	10	16,296	1,829	364	3,819	-	22,308
Guam Police Department	9	6,451	1,936	1,595	-	-	9,982
Department of Public Health & Social Services	9	4,121	3,327	1,410	344	-	9,201
Department of Military Affairs/Guarng	1	6,953	-	-	-	-	6,953
Guam Fire Department	11	5,699	-	-	-	-	5,699
Office of the Governor	2	4,379	-	-	-	-	4,379
Guam Homeland Security/Civil Defense	1	1,203	578	1,620	-	-	3,401
Guam Veterans Affairs Office	2	1,781	991	80	-	-	2,851
Department of Youth Affairs	3	2,014	-	-	-	-	2,014
Department of Mental Health and Substance	4	1,924	-	-	-	-	1,924
Department of Retirement Funds	1	1,782	-	-	-	-	1,782
Department of Agriculture	7	1,742	-	-	-	-	1,742
Department of Administration	3	287	199	133	136	418	1,173
Department of Customs & Quarantine	1	451	451	-	-	-	903
Guam Visitors Bureau	2	644	-	-	-	-	644
Office of Technology	1	360	-	-	-	-	360
Guam Public Library	6	139	219	-	-	-	358
Guam Energy Office	1	136	-	-	-	-	136
<b>Total Line Agencies</b>	<b>155</b>	<b>523,944</b>	<b>260,068</b>	<b>2,028,221</b>	<b>39,828</b>	<b>3,439</b>	<b>2,855,363</b>
<b>Other Government of Guam Entities (Active)</b>							
Mayors Council of Guam	63	20,000	400	56	-	-	20,456
Agat Mayor's Office	1	3,019	-	-	-	-	3,019
The Office of the Dededo Mayor	1	255	-	-	-	-	255
Merizo Mayor	1	80	46	-	-	-	126
<b>Total Other Government of Guam Entities</b>	<b>66</b>	<b>23,354</b>	<b>446</b>	<b>56</b>	<b>-</b>	<b>-</b>	<b>23,856</b>
<b>Total as of July 31, 2023 (Active)</b>	<b>328</b>	<b>728,864</b>	<b>280,001</b>	<b>2,034,500</b>	<b>43,518</b>	<b>289,454</b>	<b>3,376,202</b>

CCU Regular Board Meeting - GWA

GUAM WATERWORKS AUTHORITY  
Accounts Receivable Aging Summary by Rate Class  
As of July 31, 2023

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	AGING							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	445	\$ 1,036,721	\$ 377,350	\$ 2,034,500	\$ 45,977	\$ 552,992	\$ 4,047,540	18%	
Agriculture	421	28,603	8,982	4,504	1,725	30,400	74,215	0%	
Commercial I	2,713	1,396,027	205,647	110,846	59,696	537,396	2,309,612	11%	
Commercial II	40	154,474	59,558	56,910	901	7,699	279,543	1%	
Commercial III	292	524,526	68,010	60,040	33,984	298,037	984,598	4%	
Golf Course	16	21,853	691	841	624	5,150	29,159	0%	
Hotel	56	1,656,562	120,566	99,996	90,023	761,161	2,728,308	12%	
Irrigation	33	2,280	556	52	-	1,295	4,183	0%	
Residential	48,475	4,008,669	949,095	484,994	305,622	5,684,943	11,433,323	52%	
	<b>52,491</b>	<b>8,829,717</b>	<b>1,790,456</b>	<b>2,852,684</b>	<b>538,552</b>	<b>7,879,073</b>	<b>21,890,481</b>	<b>100%</b>	
		40%	8%	13%	2%	36%			
Less Allowance for Doubtful Accounts: (11,588,397)									
Net Accounts Receivable: 10,302,084									
Days Receivables Outstanding 35									

As of June 30, 2023

Rate Class	AGING							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	446	\$ 1,092,035	\$ 2,283,450	\$ 176,004	\$ 68,260	\$ 580,675	\$ 4,200,424	20%	
Agriculture	422	32,260	11,249	3,013	1,547	31,186	79,256	0%	
Commercial I	2,705	1,361,547	84,796	113,830	46,449	557,349	2,163,971	10%	
Commercial II	39	270,004	8,384	3,567	698	10,291	292,943	1%	
Commercial III	294	527,165	35,355	35,901	45,235	271,167	914,823	4%	
Golf Course	16	4,031	841	624	607	4,543	10,646	0%	
Hotel	54	1,526,325	68,194	142,625	66,415	804,598	2,608,156	12%	
Irrigation	33	3,788	326	146	-	1,295	5,555	0%	
Residential	48,279	3,793,155	870,304	485,251	322,452	5,712,979	11,184,140	52%	
	<b>52,288</b>	<b>8,610,309</b>	<b>3,362,898</b>	<b>960,961</b>	<b>551,663</b>	<b>7,974,085</b>	<b>21,459,915</b>	<b>100%</b>	
		40%	16%	4%	3%	37%			
Less Allowance for Doubtful Accounts: (11,405,753)									
Net Accounts Receivable: 10,054,162									
Days Receivables Outstanding 35									

ACTIVE ONLY

Rate Class	AGING							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	438	\$ 1,036,721	\$ 377,350	\$ 2,034,500	\$ 45,977	\$ 550,435	\$ 4,044,983	24%	
Agriculture	396	27,622	8,857	4,389	1,688	2,638	45,195	0%	
Commercial I	2,546	1,390,940	203,766	109,164	58,661	275,729	2,038,259	12%	
Commercial II	40	154,474	59,558	56,910	901	7,699	279,543	2%	
Commercial III	279	524,488	67,979	60,005	33,952	246,220	932,643	6%	
Golf Course	16	21,853	691	841	624	5,150	29,159	0%	
Hotel	55	1,656,562	120,566	99,996	90,023	290,343	2,257,490	14%	
Irrigation	32	2,280	556	52	-	-	2,888	0%	
Residential	40,268	3,876,919	901,716	444,281	263,016	1,529,656	7,015,587	42%	
	<b>44,070</b>	<b>8,691,859</b>	<b>1,741,038</b>	<b>2,810,138</b>	<b>494,842</b>	<b>2,907,870</b>	<b>16,645,747</b>	<b>100%</b>	
		52%	10%	17%	3%	17%			
Check < per B/S 10,302,084.40									
< Difference -									
Less Allowance for Doubtful Accounts: (11,588,397)									
Net Accounts Receivable: 5,057,350									

Rate Class	AGING							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	439	\$ 1,091,059	\$ 2,283,450	\$ 176,004	\$ 68,260	\$ 578,119	\$ 4,196,892	26%	
Agriculture	397	30,721	11,135	2,976	1,511	3,410	49,753	0%	
Commercial I	2,548	1,359,885	83,525	112,834	45,967	296,510	1,898,721	12%	
Commercial II	39	270,004	8,384	3,567	698	10,291	292,943	2%	
Commercial III	282	527,165	35,355	35,901	30,429	234,181	863,032	5%	
Golf Course	16	4,031	841	624	607	4,543	10,646	0%	
Hotel	53	1,526,325	68,194	142,625	66,415	333,780	2,137,338	13%	
Irrigation	32	3,788	326	146	-	-	4,260	0%	
Residential	40,212	3,753,452	833,315	446,288	260,927	1,596,856	6,890,837	42%	
	<b>44,018</b>	<b>8,566,429</b>	<b>3,324,523</b>	<b>920,964</b>	<b>474,814</b>	<b>3,057,691</b>	<b>16,344,422</b>	<b>100%</b>	
		52%	20%	6%	3%	19%			
Less Allowance for Doubtful Accounts: (11,405,753)									
Net Accounts Receivable: 4,938,668									

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

**SCHEDULE J**

As of	AGING						Total	Days Payable Outstanding
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days			
<b>July 31, 2023</b>	\$ 3,974,250 83%	\$ 316,091 7%	\$ 170,323 4%	\$ 69,032 1%	\$ 277,803 6%	<b>4,807,498</b> <b>100%</b>	35	
<b>June 30, 2023</b>	\$ 2,582,620 79%	\$ 149,308 5%	\$ 96,287 3%	\$ 89,287 3%	\$ 363,582 11%	<b>3,281,084</b> <b>100%</b>	29	
<b>May 31, 2023</b>	\$ 2,549,587 73%	\$ 278,945 8%	\$ 119,420 3%	\$ 47,017 1%	\$ 519,620 15%	<b>3,514,588</b> <b>100%</b>	29	



**GUAM WATERWORKS AUTHORITY**

"Better Water, Better Lives."

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

Tel. No.: (671) 300-6846/7

**Issues for Decision**

**Resolution No. 18-FY2023**

Relative to Approval of the ID/IQ Undersized Waterline Replacement Design and CM Contract

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

The Water Resource Master Plan Update 2018 (WRMP) developed and included a list of potential ACP waterline replacement projects under Volume 2 of the WRMP Table 8-13 Total Remaining 2-inch and asbestos cement (AC) Pipes and Table 8-14 Candidate Project Areas with 2-Inch and AC Pipes.

The information presented in the WRMP resulted from risk/consequence analyses which established the necessity and urgency of replacement activity. Further, due to the GWA's aging water distribution network, replacing undersized and aged galvanized steel water pipes is necessary to address water loss and improve system reliability and service delivery to customers. The necessity and urgency of addressing water loss has also been clearly established by recent Orders of the Public Utilities Commission in GWA Docket 19-08.

The selected Engineering firm will provide Design and Construction Management services for the project. The initial task order shall be issued to prepare and develop a master list of replacement sites. Using the WRMP as a starting point, the master list will verify previously identified sites, analyze new operational data, identify additional sites and prioritize line replacement efforts. From the master list, GWA shall issue task orders to accomplish design of pipe replacement for the prioritized and selected sites.

GWA shall also issue task orders for design and construction management for sites identified in the previous Line Replacement project priority list.

**Where is the location?**

Island-wide.

**How much will it cost?**

The fee proposal for the identified scope of work comprising multiple task orders is \$2,600,498.00; however, GWA intends to award based on an initial funding level of \$1,500,000.00 using USEPA Grant funding for priority task orders. GWA anticipates additional funding from USEPA yearly.

**When will it be completed?**

The work is anticipated to be completed through task orders for design and construction management services over the 5-year contract term.

**What is the funding source?**

The funding shall be from USEPA Grants, bond funds, and revenues (Internally Funded CIP) as indicated in the approved 5-yr CIP.

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

- RFP-01-ENG-2022
- 15 firms RFP registered for the proposal
- 8 firms submitted
- Brown and Caldwell recommended for award



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. 18-FY2023**

**RELATIVE TO APPROVAL OF THE ID/IQ UNDERSIZED WATERLINE  
REPLACEMENT DESIGN AND CM 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**, the Water Resource Master Plan Update 2018 (WRMP) developed and included a list of potential undersized waterline replacement projects under Volume 2 of the WRMP Table 8-13 Total Remaining 2-Inch and AC Pipes and Table 8-14 Candidate Project Areas with 2-Inch and AC Pipes; and

**WHEREAS**, in accordance with the CCU-approved 5-year Improvement Program addressing the 2011 Court Order, upcoming EPA compliance requirements, and other regulatory requirements, GWA continues to make improvements to the water system by issuing projects that will reduce water loss, improve water supply, create pressure zones, and reduce undersized and/or aging pipes by installing new waterlines; and

**WHEREAS**, GWA has advertised the Request for Proposals (RFP-01-ENG-2022) soliciting statement of qualifications from experienced and qualified engineering firms to provide design and construction management services for the Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for Undersized Waterline Replacement; and

//



1           **WHEREAS**, 15 interested parties registered for the RFP package, from which GWA  
2 received proposal submittals from 8 firms before the RFP submittal deadline; and

3  
4           **WHEREAS**, the GWA Architect-Engineer Selection committee reviewed and evaluated  
5 the 8 proposals (Exhibit A) and generated a short list of the top 3 firms with a recommendation  
6 to award a contract to the firm Brown and Caldwell (Exhibit B); and

7  
8           **WHEREAS**, GWA and Brown and Caldwell negotiated the fee proposal for the design  
9 and construction management services for the Indefinite Delivery/Indefinite Quantity (ID/IQ)  
10 Contract for Engineering Design and Construction Management Services for Undersized  
11 Waterline Replacement to be provided in the total amount of Two Million Six Hundred  
12 Thousand Four Hundred Ninety-Eight Dollars (\$2,600,498.00) (Exhibit C); and

13  
14           **WHEREAS**, GWA management seeks approval of the total negotiated fee proposal in  
15 the amount of Two Million Six Hundred Thousand Four Hundred Ninety-Eight Dollars  
16 (\$2,600,498.00) for the multi-year ID-IQ contract and approval to award with funding for initial  
17 term task orders in the amount of One Million Five Hundred Thousand Dollars (\$1,500,000.00);  
18 and

19           **WHEREAS**, GWA shall issue Task Orders for development of a master list of  
20 replacement sites and design and construction management of sites, which GWA have identified  
21 for immediate replacement; and

22  
23           **WHEREAS**, initial funding in the amount of One Million Five Hundred Thousand  
24 Dollars (\$1,500,000.00) will be from the USEPA grants, and additional funding may be from  
25 USEPA grants, bond funds or revenues based on the CCU-approved 5-yr CIP.

26  
27           **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
28 does hereby approve the following:

- 29  
30           1. The recitals set forth above hereby constitute the findings of the CCU.  
31           2. The CCU finds that the terms of the fee proposal submitted by Brown and  
32 Caldwell are fair and reasonable.

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- 3. The CCU hereby authorizes the management to accept the fee proposal in the amount of Two Million Six Hundred Thousand Four Hundred Ninety-Eight Dollars (\$2,600,498.00) from Brown and Caldwell, which is also incorporated into this Resolution in its entirety (Exhibit C).
- 4. The CCU hereby further authorizes the management of GWA to enter into an ID/IQ contract with Brown and Caldwell, in the amount of One Million Five Hundred Thousand Dollars (\$1,500,000.00).
- 5. The CCU hereby further approves the total funding amount for this project in the amount of One Million Five Hundred Thousand Dollars (\$1,500,000.00).
- 6. The CCU hereby approves the use of funding source(s) from USEPA grants, bonds or revenues as identified in the CCU-approved 5-yr CIP.

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

**DULY AND REGULARLY ADOPTED**, this 29<sup>th</sup> day of August 2023.

Certified by:

Attested by:

\_\_\_\_\_  
**JOSEPH T. DUENAS**  
Chairperson

\_\_\_\_\_  
**PEDRO ROY MARTINEZ**  
Secretary

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**SECRETARY’S CERTIFICATE**

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

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

AYES: \_\_\_\_\_

NAYS: \_\_\_\_\_

ABSENT: \_\_\_\_\_

ABSTAIN: \_\_\_\_\_

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**GUAM WATERWORKS AUTHORITY**

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

July 26, 2022

To: Barbara C. Cruz, P.E.  
Acting Chief Engineer

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

Subject: RFP-01-ENG-2022  
Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services of Undersized Waterline Replacement  
GWA Project No. W22-03-BND

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

EVALUATION COMMITTEE MEMBERS	
Name	Title
Garrett K.A. Yeoh	Senior Engineer
Jessey A. Mendiola	Junior Engineer
Ryan B. Diaz	Junior Engineer
William F. Esteves	Junior Engineer

Offerors	Evaluation Score				Total	Rank
1. Brown and Caldwell	78	80	96	88	342	1
2. Duenas, Camacho & Associates, Inc.	75	77	92	95	339	2
3. GHD	73	77	93	95	338	3
4. AECOM Technical Services, Inc.	78	78	77	96	329	4
5. TG Engineers, PC	71	76	70	89	306	5
6. HDR	74	78	64	88	304	6
7. SSFM International	71	68	71	84	294	7
8. E.M. Chen & Associates, Inc.	70	70	68	71	279	8

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

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

Approved by:



Barbara C. Cruz, P.E.



**GUAM WATERWORKS AUTHORITY**

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

**MEMORANDUM**

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

From: Barbara C. Cruz, P.E. *BC*  
Acting Chief Engineer

Subject: RFP-01-ENG-2022  
Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services of Undersized Waterline Replacement  
GWA Project No. W22-03-BND

Date: July 27, 2022

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

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

1. Brown & Caldwell
2. Duenas, Camacho & Associates, Inc.
3. GHD

Concurred:

*Vincent Guerrero*  
 \_\_\_\_\_  
 Vincent E. Guerrero  
 Supply Management Administrator

7-27-2022  
 \_\_\_\_\_  
 Date

**GENERAL MANAGER'S DETERMINATION**

Consultant Firm Selected:

Brown & Caldwell

Remarks:

*Miguel C. Bordallo*  
 \_\_\_\_\_  
 Miguel C. Bordallo P.E.  
 General Manager

*29. 7. 2022*  
 \_\_\_\_\_  
 Date

414 West Soledad Avenue, Suite 602  
Hagatna, GU 96910

T: 671.300.4220



May 23, 2023

Garrett Yeoh  
Guam Waterworks Authority  
Gloria B. Nelson Public Service Bldg.  
688 Rt.15  
Mangilao, GU

RFP-01-ENG-2022

Subject: Revised Cost Estimate for reduced scope

Dear Garrett,

As requested in your May 2, 2023 eMail, I have revisited the cost estimate for the project and modified the scope following our discussion to simplify the scope and related field work to reduce costs for design. In addition, per your suggestion, the construction management effort has been reduced and is now an amount not exceeding \$425,000. The total estimated cost proposed is **\$2,600,498**.

Several assumptions accompany this revised cost proposal, as follow.

- Geotechnical investigations will be performed only on pipe segments with a length exceeding 300 LF for a given site and will consist of only test pits and profile logging. Shorter lengths will not involve geotechnical investigation or reporting. There will be approximately 30 sites for which geotechnical investigation will be done. GPR services are excluded from the scope of work but can be added as needed.
- Archaeological services will include preparation of an AMDP for segments with a length exceeding 500 LF (approximately 22 sites). Shorter segments will be investigated with research report but will not include an AMDP. This assumption must be confirmed by SHPO for specific design efforts. Obtaining SHPO clearance is not included as GWA can perform this aspect using information from the archaeological investigation done under the Task Orders.
- Environmental and Biological Services will be performed only on pipe segments with a length exceeding 300 LF for a given site. Shorter lengths will not involve environmental investigation or reporting. There will be approximately 30 sites for which environmental services will be done.
- Stormwater pollution prevention plan (SWPPP) preparation and approval will be written into the construction contracts as a contractor responsibility and thus are not included in the design scope of work.
- Traffic Control Plan preparation will consist of standard DPW details. Customization of the TCP for the contract and DPW approval will be written into the construction contracts as a contractor responsibility and thus are not included in the design scope of work.

final revised cost estimate may

Garrett Yeoh  
Guam Waterworks Authority  
May 23, 2023  
Page 2

- UXO services will be performed only on pipe lengths with a length of 1,000 LF or more and shall consist of research but exclude field investigations. Should UXO be encountered during construction, additional appropriate UXO services can be added to the scope of work as needed, including UXO mitigation during construction.
- Property and land acquisition services are excluded from the scope of work but should property acquisition or ROW establishment services become necessary for existing conditions and design requirements, such services can be added to the scope of work as needed.
- Construction Management has been limited. Construction inspection will be selective and not be full time. Most construction inspection will be performed on pipe segment lengths of 500 LF or more. Construction inspection for shorter segments will not be performed except in unusual conditions.
- Field investigations on short pipe segments (100 LF or less) will not be performed and design for such short segments is assumed to be possible based on information from GWA.
- Design of short segments (300 LF or less) will be based on standard details.

The cost for the scope of work outlined in the RFP (design and CM) is presented as a Lump Sum total for design and project management of \$ **\$2,148,288**, and a cost for CM of **\$452,210** on a time and materials basis. The total sum is **\$2,600,498**.

As outlined previously, there are a great number of sites with existing 2-inch pipe (a close count amounts to almost 200 when including the shortest segments). The range in length is from less than 50 feet to greater than 1,000 feet. This multiplies the effort required to perform the scope of work, however, to contain costs, the field work normally required for subsurface work has been limited assuming that the work can be simplified, existing water lines will be replaced in the same alignment, and contract language included to place some burden on the contractor during construction.

As we move forward and refine the scope of work in phases for design and construction by Task Order, and perform preliminary field investigations, we will be better able to ascertain the level of geotechnical, environmental, and archaeological investigation recommended and preferred by GWA and provide a task-specific fee proposal for defined scopes of work. The costs provided herein should meet your objective for budgeting and cost evaluation for approval.

The estimate includes:

1. Site investigations, basis of design, design, preparation of plans and specifications and contract documents, and construction cost estimates.
2. Project management, coordination, scheduling, and final scope development with GWA.
3. Surveying services.
4. Hydraulic modeling services.
5. Geotechnical services.
6. Archaeological services.
7. Environmental and biological services.
8. Construction Management, construction inspection.

Items 1 through 7 are presented as Lump Sum. Item 8 is presented as Time and Materials.

The following assumptions are made, and estimates are based on these assumptions.

Garrett Yeoh  
Guam Waterworks Authority  
May 23, 2023  
Page 3

1. Design and contract package preparation time will be established as Task Orders are negotiated.
2. Reviews at 60%, 90%, and 100%. The 30% can be eliminated for small length segments.
3. Level of archaeological effort must be coordinated with SHPO to reach a mutual understanding of SHPO requirements for the extent of the sites.
4. SHPO requirements have varied recently on wide-ranging multi-location projects as is envisioned. This variability could affect archaeological effort up or down.
5. Archaeological monitoring during construction is not included in the attached estimate.
6. Level of environmental effort must be coordinated with GEPA to reach a mutual understanding of GEPA requirements for the extent of the sites.
7. No geotechnical consultation is included during construction.
8. The cost estimate assumes that all new main would be installed in existing RoW. The estimate does not include preparation of legal documents for acquisition and transfer of land, but does include necessary research, surveying, mapping, and documentation for existing ROW and adjacent property lines.

Please let me know if you have any questions about this cost estimate for design and construction management for the proposed water main replacements following the project described in the Master Plan. I look forward to moving forward with award and execution of the first Task Order.

Very truly yours,

**Brown and Caldwell**



John Riegel, Project Manager  
Hagatna, Guam

cc: Tom Myers, Principle In-Charge, Brown and Caldwell  
Michelle Sorensen Deputy Project Manager, Brown and Caldwell  
Cecilia Markowski, Project Analyst

Attachments:

1. Cost estimate



Garrett Yeoh  
 Guam Waterworks Authority  
 May 23, 2023  
 Page 4

**COST ESTIMATE**

<b>Guam Waterworks Authority</b>			
<b>Design/CM IDIQ - Undersized Water line Replacement</b>			
<b>Full Master Plan project</b>			
<b>Replacement of 2-inch lines</b>			
Approximately 78,650 LF of 2-inch lines		Total Project	
		Reduced Scope - no GPR, no borings, limited test pits,	
		Contractor to do TC & SWPPP, capped CM, nominal Arch	
<b><u>Total Lump Sum Items</u></b>		<b>Design and Project Management</b>	
Description	Cost	Subconsultants	Subtotal
Task 1 - Plans, specifications, and cost estimates	\$483,962	\$185,350	\$669,312
Task 2 - Project Management	\$248,166	\$149,784	\$397,950
Task 3 - Survey Services	\$8,426	\$278,850	\$287,276
Task 4 - Hydraulic Modeling Services	\$47,886	\$0	\$47,886
Task 5 - Geotechnical Services	\$7,787	\$72,600	\$80,387
Task 6 - UXO Services	\$1,251	\$3,300	\$4,551
Task 7 - Archaeological Services	\$22,514	\$415,800	\$438,314
Task 8 - Environmental and Biological Services	\$20,362	\$68,812	\$89,174
Task 9 - Property and land acquisition services	\$0	\$0	\$0
Totals	\$840,355	\$1,174,496	\$2,014,851
Expense	\$26,025		
Mark-up		\$106,772	
Subtotal			\$2,040,876
Tax			\$107,411
<b>Total</b>			<b>\$2,148,288</b>
<b><u>T&amp;M Items</u></b>		<b>Construction Support</b>	
Description	Cost	Subconsultants	Subtotal
Task 10 - GPR and line location services	\$0	\$0	\$0
Task 11 - Construction Management [NTE \$425K]	\$88,617	\$336,383	\$425,000
Task B - UXO Mitigation	\$0	\$0	\$0
Totals	\$88,617	\$336,383	\$425,000
Expense	\$4,600		
Mark-up		\$33,638	
Subtotal			\$429,600
Tax			\$22,610
<b>Total</b>			<b>\$452,210</b>
<b>Grand total Lump Sum plus Time and Materials:</b>			<b>\$2,600,498</b>

**Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for Undersized Waterline Replacement**

**GWA Project No. W22-03-BND**

This ID/IQ will focus on sites which require removal of undersized pipeline and installation of new appropriately sized waterline around the island. The ID/IQ firm shall work with GWA to develop a master list and prioritize locations for waterline replacement. From the master list, GWA shall select sites for the A/E to proceed with complete design ready for construction bid.

Engineering services will include, but not be limited to the following:

1. PS&E: Plans, Specifications, and Cost Estimate Development. Develop design for 2" waterline distribution improvements and replacement. The work shall include full plans, specifications, and cost estimates at the 30% (basis of design), 60%, 90%, and 100% phases.
2. Engineering program management to include developing master list of line replacement sites which incorporates GWA's Master Plan, GWA Operation's input for areas of high breakage rates, and site field investigations by the ID/IQ A/E and GWA. Sites shall be prioritized based on area of coverage, breakage rates, cost, and other relevant factors.
3. Survey services
4. Ground penetrating radar services
5. Archaeological services
6. Environmental and biological services
7. Property and land acquisition services
8. Hydraulic modeling services
9. Coordinating and facilitating various task with local and federal agencies for grants, general agency review, and permitting.
10. IFB preparation and bidding services to include RFI bid responses, Addendum preparation, bid evaluation/recommendation, and all other task necessary to assist the bid process.
11. Provide construction management services
  - a. Site management
  - b. Conduct weekly meetings
  - c. Construction inspection
  - d. Quality assurance testing
  - e. Submittal, RFI, shop drawing review
  - f. Payment request review
  - g. Change order review and recommendation

ID/IQ firm shall furnish, in accordance with the agreed upon schedule, a complete, practical, economical design, plans, specifications, and related corrections and changes which are best suited for the contemplated construction, and ensure all work is completed in accordance with this Agreement and with sound engineering principles and is signed and sealed by a licensed Professional Engineer. Firm shall provide all calculations, data, charts, field data, and other information of any type whatsoever which support its designs or other work performed pursuant to this Agreement. Firm may not assert as a basis for refusing to provide such information that it is proprietary. Firm shall satisfy GWA with design decisions that are based on objective evaluation of the requirements of the facility owner and user, meet site-specific conditions, comply with Project construction cost budget, and minimize long-term operation and maintenance costs. Proposer is aware and agrees that GWA has the right to submit the Proposer's work product to independent design reviewers. Firm agrees to fully cooperate with such reviewers if GWA determines review is appropriate. Firm's obligation to cooperate shall include the obligation to respond in an objective professional manner to requests for information, and, if expressly requested by GWA, to enter into a dialogue with the reviewer regarding the comments of the reviewer on the work.

The contract will provide for the issuance of Task Orders (TO) requiring a variety of engineering and construction services as needed and determined by GWA. Each TO will be negotiated with the firms. The contract as noted is an Indefinite Delivery Indefinite Quantity (ID/IQ) type contract and GWA does not guaranteed any number of TO to be issued. GWA also does not guarantee a minimum or maximum dollar value of TO's placed with any firm.

Examples of the types of work under this RFP includes, but limited to, waterline replacement/upgrades, etc.

#### **Task Order Scopes of Work for Design and Construction Management**

1. Design Services to be provided by the Consultant (firm):
  - a. Project Management: The consultant shall develop a work plan and schedule for the scope of work to be accomplished within the agreed performance time of the TOs. The schedule shall include reasonable time periods for any review by GWA or other government agency (such as EPA, GEPA, etc...). Projects shall require reoccurring meetings during the progress of the work. Design meetings to discuss the overall plan, requirements, constraints, expectations, outcomes, design features, design progress, and other project specific elements for discussion between GWA and the consultant to coordinate work.

- b. Design: GWA anticipates that a TO shall be issued to begin developing the Master List of sites which require abandonment and replacement of 2” or similar sized water lines. Sites shall be selected from the Master List for design. TO’s shall be issued for design of the sites.

The consultant shall prepare a basis of design for each design (30% phase). As part of the design, the consultant shall collect and review, from GWA and other sources, data required to design facilities outlined in each TO. Site-visits will be required to completely comprehend the scope of work, the design needs, and the data collection. The consultant shall identify any constraining factors that affect design and construction. The consultant shall coordinate and meet with GWA to review available "as-builts" of existing water and other utilities. The basis of design shall establish the design criteria, define preliminary routing of the proposed pipelines, location of control valves, pumping stations, identify right-of-way limits, list questions needing answers for the design, and list decision items. Once the basis of design has been accepted by GWA, the consultant shall move into the design phases.

Following approval of the basis of design, the consultant shall proceed with design for the complete scope of work as outlined in each TO and prepare all engineering and hydraulic calculations, perform all field work, prepare construction plans, specifications, and estimate the cost of construction at the 60%, 90% and 100% phases.

- c. Geotechnical Studies: When required by TO, the consultant shall conduct explorations for geotechnical investigation to determine subsurface conditions, soil properties, and groundwater levels as required for excavation information, foundation parameters, and related engineering information or anticipated construction conditions. A geotechnical report shall be prepared and submitted to GWA to include maps, boring records, soil type, allowable soil bearing capacity, pipe backfill suitability of in-situ soils, presence of groundwater water encountered, and all other pertinent information required to complete the scope of work.
- d. Field Surveys: When required by TO, the consultant shall conduct surveying for the purposes of a topographic survey, right-of-way, and developing design and construction drawings for the proposed facilities as described in each TO scope of work. The survey must indicate easements, property lines, existing utilities,

existing water meters, edges of pavement, driveways, existing buildings, structures, trees, and fences within the vicinity of the project.

- e. Additional Design Services: As may be necessary for specific work, other additional design services such as archeological review, environmental permitting, biological surveys, ground penetrating radar services, property acquisition and survey services, pressure logging and flow metering equipment procurement, and all other services as described in Section W.

2. Construction Management Services to be provided by the Consultant:

- a. Pre-Construction: the following elements of construction activity are required during the pre-construction stage of construction management. The consultant shall perform these tasks when required in a TO.

From the time of issuance of the Notice to Proceed (NTP for pre-construction activities prior to the issuance of DPW building permit), all duties listed in this section, at a minimum, shall be part of the CM's daily duties within typical working hours.

- Conduct pre-construction conference. Agenda shall be developed by the consultant.
- Conduct weekly meetings.
- Review Contractor's submittal and construction schedule.
- Review Contractor's master submittal log.
- Review all submittals for conformance with plans and specifications. Submittals to include product and material data, shop drawings, outage plans, schedule updates, and RFIs'.
- Review Contractor's safety and traffic control plans.
- Review the Storm Water Pollution Prevention Plan.
- Ensure that Contractor has applied for all required permitting to being the project.
- Set up and maintain Construction Management Software: ProCore

- b. Construction: the following elements of construction activity are required during the construction stage of construction management. The consultant shall perform these tasks when required in a TO.

From the time of issuance of the NTP (after issuance of the DPW building permit), all duties listed in this section, at a minimum, shall be part of the CM and Inspectors daily duties within typical working hours.

- Monitor and inspect daily construction activities in compliance with the contract, plans and specifications, and applicable codes and regulations.
- Witness all quality control testing by the Contractor.
- Maintain Construction Management Software (ProCore). All submittals shall be submitted through the management software.
- Conduct quality assurance testing and surveying as required by the plans and specifications.
- Prepare correspondences as requested by GWA.
- Conduct Davis-Bacon interviews if the construction project is grant funded.
- Review progress payment requests for accuracy and proper reflection of actual work performed and make recommendations to GWA regarding appropriateness and approval.
- Review contractor submitted payroll records for each payment request according to contract requirements.
- Issue directives and corrective action notices dealing with quality of workmanship, non-compliance, safety, and performance.
- At GWA's request, prepare field orders to change specific scope of work requirements.
- Schedule and coordinate all inspection, surveys and material testing.
- Review updated contractor's progress schedule and recommend approval or rejection to GWA.
- Verify contractor's material supply list with regard to delivery timetable, progress schedule, and justification for payment.
- Analyze and participate in negotiating claims and contract change requests; recommend action deemed appropriate.
- Prepare for GWA approval, change orders to modify the terms of the contract (change in cost, performance time, or technical provisions). Make changes to the design as necessary.
- Provide daily construction reports which includes pictures of construction highlighting deficient work, safety violations, examples of acceptable work, and other critical items. Reports shall be in ProCore.
- Maintain a set of as-built drawings recording all installed facilities, deviations from the original plans, details of installation, encountered subsurface features and utilities, and critical dimensions. This set of As-Built drawings is to be separate from the Contractor's as-built drawing set.

The purpose of this task is to ensure that the CM has their own set to check against the Contractor's set of drawings.

- Conduct weekly (or specified meeting interval) project meetings with the contractor and GWA to discuss work progress and any concerns relating to the construction.
- Witness field tests performed by the construction contractor or his representative for compliance with the contract drawings and specifications.
- Inspect construction, installation, and assemblage of work agreed to with GWA. Verify conformance to the contract provisions and check for acceptable workmanship. Report acceptable and unacceptable work to GWA.

c. Post Construction: the following elements of construction activity are required during the post-construction stage of construction management. The consultant shall perform these tasks when required in a TO.

- Lead pre-final inspection and prepare a list of incomplete work to be completed before substantial completion and final completion.
- Determine the date of substantial completion according to the contract terms.
- Lead final inspection and prepare a punch list of deficiencies to be completed before final acceptance and final payment.
- Perform or observe all operational testing for proper operation, functionality, and performance. Accumulate all performance test data and submit to GWA.
- Verify final quantities installed and note differences from the estimated contract amount.
- Accumulate and provide to GWA all records, documents, submittals, log books, files, test results, etc.
- Review contract required warranties, O&M manuals, etc. and verify full compliance by the contractor.
- Provide a final review of construction contractor's as-built drawings and transmit the as-built drawings to GWA.
- Provide CM's as-built drawings and transmit to GWA.



**GUAM WATERWORKS AUTHORITY**

"Better Water, Better Lives."

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

Tel: (671) 300-6846

**Issues for Decision**

**Resolution No. 36-FY2023**

Relative to Additional Funding for Pressure Zone Realignment Construction Phase I Contract

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

The project is part of the Guam Waterworks Authority's Water Resources Master Plan. The project's objective is to install (i.e. repair, rehabilitate, replace, relocate, or develop) pressure regulating or sustaining valves and their appurtenances in strategic locations to properly align and configure pressure zones within the distribution system to improve service pressures within defined pressure Levels of Service.

**Where is the location?**

All project sites: Carnation PRVs, Marbo PRVs, Okkodo PRV, Ysengsong PRV, Clara PRV, Terao PRV, Maimai PRV, Kaiser Bypass PRV and Kaiser PRV (both near GWA Kaiser Reservoir), and electrical work at Yigo and Astumbo Reservoirs. All sites are located within the villages of Yigo, Dededo, and Mangilao.

The sites that will be covered in the next change orders are: Okkodo PRV, Clara PRV, Maimai PRV, Terao PRV, and Kaiser PRVs in Dededo and Mangilao.

**How much will it cost?**

While negotiation is still ongoing with Sumitomo Mitsui Construction, the remaining work should collectively not exceed \$900,000. GWA is requesting an additional \$900,000 for the work necessary for completing the project, to bring the total authorized funding to \$7,296,179.63.

**When will it be completed?**

12/31/2023

**What is the funding source?**

- Grant (USEPA)
- CIP PW 12-01: Water Audit Program
- CIP PW 05-16: Master Metering Program
- MP-PW-Pipe-15 PRV Rehabilitation and Replacement

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

n/a





**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. 36-FY2023**

**RELATIVE TO APPROVAL OF AN INCREASE OF FUNDING AND SCOPE OF  
WORK FOR THE PRESSURE ZONE REALIGNMENT CONSTRUCTION  
PHASE 1 PROJECT**

**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 currently has a number of critical projects as part of GWA’s Capital Improvement Plan, including the installation (i.e. repair, rehabilitation, replacement, relocation, or development) of pressure regulating or sustaining valves and their appurtenances, as stated in GWA’s Water Resources Master Plan (Master Plan); and

**WHEREAS**, the completion of these improvements will contribute to GWA's effort to control and reduce water losses through the improvement in service area pressures, thereby reducing background leaks by providing appropriate systems pressures; and

**WHEREAS**, the construction of the Pressure Zone Realignment (PZR) Construction Phase I project was the start of the overall PZR project consisting of five phases, which are necessary components of the Court Ordered reservoir replacement and repair projects by allowing take downs of the reservoirs for inspection and repair; and

GWA RESOLUTION NO. 36-FY2023

1           **WHEREAS**, Resolution No. 11-FY2020 (See Exhibit A) approved GWA to award the  
2 Pressure Zone Realignment Construction Phase 1 contract to Sumitomo Mitsui Construction Co.,  
3 LTD (Sumitomo) for the Base Bid proposal in the amount of Four Million One Hundred Twenty  
4 Thousand Dollars (\$4,120,000.00) and approved the funding total of Four Million Five Hundred  
5 Thirty-Two Thousand Dollars (\$4,532,000.00); and

6  
7           **WHEREAS**, GWA executed a construction contract with Sumitomo for the Base Bid work  
8 for the following:

- 9           • Construction of the new Carnation pressure reducing valves (PRV) and flow  
10 meters (FM) vaults and rehabilitation of existing PRV vaults and new control  
11 building; and
- 12           • Construction of the new Marbo PRV and FM vaults; and
- 13           • Construction of the new Okkodo PRV and FM vaults to replace the existing  
14 PRV and new control pedestal; and
- 15           • Construction of the new Ysengsong PRV and FM vaults; and
- 16           • Construction of the new Clara PRV and FM vaults; and
- 17           • Construction of the new Kaiser Reservoir Bypass PRV and FM vaults and new  
18 control building, and installation of new inlet and outlet meters for Kaiser  
19 Reservoir; and
- 20           • Construction of the new Kaiser PRV and FM vaults; and
- 21           • Construction and installation of SCADA components and electrical work at  
22 Yigo and Astumbo Reservoirs; and
- 23           • Installation of SCADA at all sites; and

24  
25           **WHEREAS**, Resolution No. 40-FY2020 (See Exhibit B) approved GWA to execute a  
26 Change Order for the Additive Bid work to construct two additional PRV and FM locations  
27 (Maimai and Terao) and to bring the total authorized amount to Five Million Five Hundred Forty-  
28 Nine Thousand Dollars (\$5,549,000.00), which included a contingency of Four Hundred Sixty-  
29 Seven Thousand Dollars (\$467,000.00); and  
30

GWA RESOLUTION NO. 36-FY2023

1           **WHEREAS**, GWA issued Change Order No.1 and 2 in the amount of One Million One  
2 Hundred Sixty Thousand Eight Hundred Forty-Seven Dollars and Eighty-Nine Cents  
3 (\$1,160,847.89), which brought the total contract amount to Five Million Two Hundred Eighty  
4 Thousand Eight Hundred Forty-Seven Dollars and Eighty-Nine Cents (\$5,280,847.89); and

5  
6           **WHEREAS**, Resolution No. 07-FY2023 (See Exhibit C) approved the total authorized  
7 funding of Six Million Three Hundred Ninety-Six Thousand One Hundred Seventy-Nine Dollars  
8 and Sixty Three Cents (\$6,396,179.63) and allowed GWA to execute Change Orders No. 3 and 4  
9 in the total amount of One Million One Hundred Seven Thousand One hundred Seventy-Two  
10 Dollars and Seven Cents (\$1,107, 172.07) which brought the total contract amount to Six Million  
11 Three Hundred Eight-Eight Thousand Nineteen Dollars and Ninety Six Cents (\$6,388,019.96);  
12 and

13           **WHEREAS**, GWA seeks to issue additional Change Orders for work required to complete  
14 Phase 1 of the PZR projects; and

15  
16           **WHEREAS**, the next Change Orders' work will generally consist of the following:

- 17           • Clara site: Fence repair; and
- 18           • Kaiser site: Capping of existing PRV, additional connections to existing piping,  
19           along with necessary appurtenances, and
- 20           • Maimai site: Installation of concrete walkway for SCADA pedestal, new  
21           fencing for site security; and
- 22           • Terao site: New ARV installation, new fencing for site security; and
- 23           • Okkodo site: Additional fittings due to differing site conditions, new fencing  
24           for site security; and
- 25           • Various sites: Installation of vault ventilation; and

26  
27           **WHEREAS**, the next Change Orders are under negotiation between GWA and Sumitomo;  
28 and  
29

GWA RESOLUTION NO. 36-FY2023

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**WHEREAS**, GWA is requesting a not-to-exceed funding approval of Nine Hundred Thousand Dollars (\$900,000.00) for the Change Orders; and

**WHEREAS**, GWA management seeks CCU approval for an additional Nine Hundred Thousand Dollars (\$900,000.00) to fund the next Change Orders, bringing the total authorized funding to Seven Million Two Hundred Ninety-Six Thousand One Hundred Seventy-Nine Dollars and Sixty-Three Cents (\$7,296,179.63); and

**WHEREAS**, funding shall be from the following CIP sources:

- United States Environmental Protection Agency (USEPA) Grant
- CIP PW 12-01: Water Audit Program
- CIP PW 05-16: Master Metering Program
- MP-PW-Pipe-15 PRV Rehabilitation and Replacement

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

- The recitals set forth above hereby constitute the findings of the CCU.
- The CCU finds that the of the scope and fee submitted by Sumitomo Mitsui Construction Co., LTD. are fair and reasonable.
- The CCU hereby approves Nine Hundred Thousand Dollars (\$900,000.00) to fund the next Change Orders, bringing the total authorized funding to Seven Million Two Hundred Ninety-Six Thousand One Hundred Seventy-Nine Dollars and Sixty-Three Cents (\$7,296,179.63).
- The CCU hereby approves the use of the following CIP sources:
  - USEPA Grant
  - CIP PW 12-01: Water Audit Program
  - CIP PW 05-16: Master Metering Program
  - MP-PW-Pipe-15: PRV Rehabilitation and Replacement

GWA RESOLUTION NO. 36-FY2023

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

**DULY AND REGULARLY ADOPTED**, this 29<sup>th</sup> day of August 2023.

Certified by:

Attested by:

\_\_\_\_\_  
**JOSEPH T. DUENAS**  
Chairperson

\_\_\_\_\_  
**PEDRO ROY MARTINEZ**  
Secretary

//

**SECRETARY’S CERTIFICATE**

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

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

AYES: \_\_\_\_\_

NAYS: \_\_\_\_\_

ABSENT: \_\_\_\_\_

ABSTAIN: \_\_\_\_\_



**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. 11-FY2020**

**RELATIVE TO APPROVAL OF THE CONSTRUCTION CONTRACT FOR THE  
PRESSURE ZONE REALIGNMENT CONSTRUCTION PHASE 1 PROJECT**

**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 currently has a number of critical projects as part of GWA’s Capital Improvement Plan, including the installation (i.e. repair, rehabilitation, replacement, relocation, or development) of pressure regulating or sustaining valves and their appurtenances, as stated in GWA’s Water Resources Master Plan (Master Plan); and

**WHEREAS**, the completion of these improvements will contribute to GWA’s efforts to control and reduce water losses through the improvement in service area pressures, thereby reducing background leaks by providing appropriate system pressures; and

**WHEREAS**, in accordance with the Master Plan, GWA intends to execute a construction project to address the following:

1. The construction of the new control building and new Carnation PRVs to replace the existing PRVs; and
2. The construction of the new Marbo PRV; and
3. The construction of the new control pedestal and new Okkodo PRV to replace the existing PRV; and
4. The construction of the new Ysengsong PRV; and

- 1           5. The construction of the new Clara PRV; and
- 2           6. The construction of the new Kaiser Bypass PRV and new control building, and
- 3           installation of new inlet and outlet meters for Kaiser Reservoir; and
- 4           7. The construction of the new Kaiser PRV; and

5

6           **WHEREAS**, GWA has advertised an Invitation for Bid (IFB-07-ENG-2019) soliciting bid  
7 proposals from experienced, responsible, and responsive bidders to rehabilitate existing and/or  
8 construct new pressure reducing valves (PRV), vaults, control buildings, install SCADA  
9 connections, and off-site work at seven (7) sites in the Base Bid and to construct the two (2)  
10 additional PRV sites in the Additive Bid; and

11

12           **WHEREAS**, the Base Bid work consists of the Contractor furnishing all labor, tools,  
13 equipment and materials necessary to complete the construction of the Pressure Zone Realignment  
14 Phase I work to include, but not be limited to earthwork, pipework, roadway repair, PRVs, concrete  
15 work, electrical work, fences and gates, SCADA, testing and start-up under the provisions of the  
16 bid documents and in accordance with applicable GWA standards; and

17

18           **WHEREAS**, IFB packages were picked up by seven (7) interested parties, from which  
19 GWA received bid proposals from two (2) of the seven (7) parties before the bid proposal deadline  
20 (See Exhibit A – Abstract of Bids); and

21

22           **WHEREAS**, GWA engineering team analyzed all bid proposals received on November  
23 22, 2019 and determined Sumitomo Mitsui Construction Co., LTD. as being the lowest responsive  
24 and responsible bidder and met all the bid requirements set forth by GWA; and

25

26           **WHEREAS**, GWA Management finds that Sumitomo Mitsui Construction Co., LTD.'s  
27 Base Bid proposal of Four Million One Hundred Twenty Thousand Dollars (\$4,120,000.00) to be  
28 acceptable (See Exhibit B – Bid Form); and

29

30           **WHEREAS**, GWA Management will assess any additional funding availability from the  
31 latest Capital Improvements Plan to ascertain if any or all the Additive bid items as part of this  
32

1 IFB can be awarded later through a change order or via a subsequent CCU approval as a means of  
2 maximizing system improvements efficiently; and

3  
4 **WHEREAS**, GWA Management is seeking approval to enter into contract for the Base  
5 Bid work with Sumitomo Mitsui Construction Co., LTD (IFB-07-ENG-2019) in the amount of  
6 Four Million One Hundred Twenty Thousand Dollars (\$4,120,000.00), along with a ten percent  
7 (10%) contingency of Four Hundred Twelve Thousand Dollars (\$412,000.00), bringing the total  
8 requested funding amount to Four Million Five Hundred Thirty-Two Thousand Dollars  
9 (\$4,532,000.00); and

10  
11 **WHEREAS**, the funding sourced for the construction project will be from bond and grant  
12 funds as detailed in the following CIP line items:

- 13 • CIP PW 12-01: Water Audit Program
- 14 • CIP PW 05-16: Master Metering Program
- 15 • Grant (USEPA)

16  
17 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
18 does hereby approve and authorize the following:

- 19 1. The recitals set forth above hereby constitute the findings of the CCU.
- 20 2. The CCU finds that the terms of the bid proposal submitted by Sumitomo Mitsui  
21 Construction Co., LTD. are fair and reasonable.
- 22 3. The CCU hereby authorizes the management of GWA to accept the bid from  
23 Sumitomo Mitsui Construction Co., LTD. attached hereto as Exhibit B, and  
24 which is also incorporated into this Resolution in its entirety.
- 25 4. The CCU hereby authorizes the management of GWA to enter into a contract  
26 with Sumitomo Mitsui Construction Co., LTD. in the amount of Four Million  
27 One Hundred Twenty Thousand Dollars (\$4,120,000.00).
- 28 5. The CCU hereby approves the funding total of Four Million One Hundred  
29 Twenty Thousand Dollars (\$4,120,000.00), along with a ten percent (10%)  
30 contingency of Four Hundred Twelve Thousand Dollars (\$412,000.00),  
31 bringing the total authorized funding amount to Four Million Five Hundred  
32 Thirty-Two Thousand Dollars (\$4,532,000.00).



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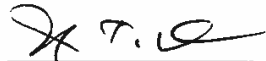
- 6. The CCU hereby approves the use of funding sources from the following CIP line items:
  - a. CIP PW 12-01: Water Audit Program
  - b. CIP PW 05-16: Master Metering Program
  - c. Grant (USEPA)


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

**DULY and REGULARLY ADOPTED**, this 28<sup>th</sup> day of January 2020.

Certified by:

Attested by:

  
**JOSEPH T. DUENAS**  
 Chairperson

  
**MICHAEL T. LIMTIACO**  
 Secretary

**SECRETARY'S CERTIFICATE**

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

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

AYES: \_\_\_\_\_ 5  
 NAYS: \_\_\_\_\_ 0  
 ABSTENTIONS: \_\_\_\_\_ 0  
 ABSENT: \_\_\_\_\_ 0



///  
///

**GUAM WATERWORKS AUTHORITY  
ABSTRACT OF BIDS**

**EXHIBIT A**

Project Name: **PRESSURE ZONE REALIGNMENT CONSTRUCTION PHASE I**  
Project Number: **W18-001-BND**

Bid Opening Date: **November 22, 2019**  
Time: **3:00 PM**

	Bidders Name	Section A-5 Bid Bond	CERTIFICATIONS											BID AMOUNT			
			Qualification Statement	Non Collusion Affidavit	EEO Certification	Non Segregated Facilities	Sex Offender Certification	Wage and Benefit Determination	Major Shareholder Affidavit	Special Instructions to Bidders	Addendum				TABLE A BASE BID	TABLE A ADDITIVE BID	TABLE A BASE + ADDITIVE
											1	2	3	4			
1.	KORANDO CORPORATION	—															
2.	IAN CORPORATION	—															
3.	SUMITOMO-MITSUI CONSTRUCTION CO.	FEDERAL INSURANCE COMPANY 15% OF ACCOMPANYING BID	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$4,120,000	\$ 962,000	\$ 5,082,000	
4.	GENERAL + PLUMBING	—															
5.	AIC INTERNATIONAL INC.	FIDELITY + DEPOSIT COMPANY OF MARYLAND 15% OF ACCOMPANYING BID	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$5,494,376.50	\$1,711,160.94	\$ 7,205,537.44	
6.	FRONTIER SUPPLY	—															
7.	AMERICAN INTERNATIONAL SUPPLY, INC.	—															
	GWA Estimate													\$4,148,360	\$845,640	\$ 4,994,000	

Bids Opened and Read by:

  
GLORIA P. BENSAN  
(Name and Signature)

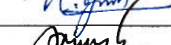
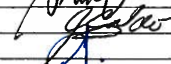

Tabulated By:




  
JESSE MENDIOLA  
(Name and Signature)

GWA Procurement Representative:

  
ROLAND F. LUMONGSOD  
(Name and Signature)

Witnesses:



**BID FORM**

**ARTICLE 1 - BID RECIPIENT**

1.01 This Bid is submitted to:

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

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with Buyer in the form included in the Bidding Documents to furnish the Goods and Special Services as specified or indicated in the Bidding Documents, for the prices and within the times indicated in this Bid, and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2 - BIDDER'S ACKNOWLEDGMENTS**

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Buyer.

**ARTICLE 3 - BIDDER'S REPRESENTATIONS**

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.	Addendum Date
ADDENDUM NO. 01	OCTOBER 25, 2019
ADDENDUM NO. 02	NOVEMBER 8, 2019
ADDENDUM NO. 03	NOVEMBER 12, 2019
ADDENDUM NO. 04	NOVEMBER 15, 2019

B. Bidder has visited the Point of Destination and site where the Goods are to be installed or Special Services will be provided and become familiar with and is satisfied as to the observable local conditions that may affect cost, progress, or the furnishing of Goods and Special Services, if required to do so by the Bidding Documents, or if, in Bidder's judgment, any local condition may affect cost, progress, or the furnishing of Goods and Special Services.

C. Bidder is familiar with and is satisfied as to all Laws and Regulations in effect as of the date of the Bid that may affect cost, progress, and the furnishing of Goods and Special Services.



- D. Bidder has carefully studied, considered, and correlated the information known to Bidder; information commonly known to sellers of similar goods doing business in the locality of the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; information and observations obtained from Bidder's visits, if any, to the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; and any reports and drawings identified in the Bidding Documents regarding the Point of Destination and the site where the Goods will be installed or where Special Services will be provided, with respect to the effect of such information, observations, and documents on the cost, progress, and performance of Seller's obligations under the Bidding Documents.
- E. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution (if any) thereof by Engineer is acceptable to Bidder.
- F. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for furnishing the Goods and Special Services for which this Bid is submitted.

**ARTICLE 4 - BIDDER'S CERTIFICATIONS**

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
  - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
  - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Buyer, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Buyer of the benefits of free and open competition;
  - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Buyer, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
  - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process.

EXHIBIT B

**ARTICLE 5 - BASIS OF BID**

5.01 Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the following price(s):



**GUAM WATERWORKS AUTHORITY  
PRESSURE ZONE REALIGNMENT CONSTRUCTION PHASE 1  
GWA Project No. W18-001-BND**

**BID SCHEDULE**

Interested Bidders must complete Table A. All blanks in the tables must be filled out.

Definitions:

LS = lump sum

**TABLE A  
BID SCHEDULE**

**(BASE BID ITEMS NO. 1 - 9)  
(ADDITIVE BID ITEMS NO 10-11)**

<b>Item No.</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Extended Amount</b>
1.	Mobilization, as specified in the Contract Documents.	1	LS	\$ 95,487.00
2.	Bonds and insurance.	1	LS	\$ 178,861.00
3.	Permits.	1	LS	\$ 56,544.00
4.	Training.	1	LS	\$ 3,554.00
5.	Carnation PRVs:			
5.1	Potholing	1	LS	\$ 3,661.00
5.2	Traffic control	1	LS	\$ 43,781.00
5.3	Marbo vault	1	LS	\$ 38,935.00
5.4	Marbo 6" PRV	1	LS	\$ 39,105.00
5.5	Marbo 6" meter	1	LS	\$ 7,033.00
5.6	Marbo piping and connections	1	LS	\$ 17,429.00
5.7	PRV 11 12" PRV	1	LS	\$ 12,444.00
5.8	PRV 11 12" check valves	2	LS	\$ 15,546.00
5.9	PRV 11 piping and connections	1	LS	\$ 53,559.00
5.10	PRV 15 4" PRV	1	LS	\$ 3,200.00
5.11	PRV 15 10" PRV	1	LS	\$ 8,230.00
5.12	PRV 15 12" check valve	1	LS	\$ 14,161.00
5.13	PRV 15 piping and connections	1	LS	\$ 41,083.00
5.14	Replace meters	3	LS	\$ 60,173.00
5.15	Carnation piping and connections	1	LS	\$ 40,626.00
5.16	Control building	1	LS	\$ 29,372.00
5.17	Fencing	1	LS	\$ 8,705.00
5.18	Electrical system	1	LS	\$ 188,904.00



Item No.	Description	Quantity	Unit	Extended Amount
5.	<u>Item 5 (Cont.)</u>			
	5.19 SCADA, instrumentation and controls	1	LS	\$ 104,879.00
	5.20 Commissioning	1	LS	\$ 11,654.00
	5.21 Site and pavement restoration	1	LS	\$ 53,504.00
	Subtotal	1	LS	\$ 795,984.00
6.	Okkodo PRV:			
	6.1 Traffic control	1	LS	\$ 19,724.00
	6.2 Meter vault	1	LS	\$ 49,997.00
	6.3 20" meter	1	LS	\$ 16,090.00
	6.4 Meter piping and connections	1	LS	\$ 155,708.00
	6.5 8" PRV	1	LS	\$ 5,134.00
	6.6 10" PRV	1	LS	\$ 7,924.00
	6.7 12" PRV	1	LS	\$ 10,654.00
	6.8 PRV piping and connections	1	LS	\$ 61,920.00
	6.9 PRV vault cover and hatch	1	LS	\$ 28,690.00
	6.10 Electrical system	1	LS	\$ 55,355.00
	6.11 SCADA, instrumentation and controls	1	LS	\$ 70,885.00
	6.12 Commissioning	1	LS	\$ 11,733.00
	6.13 Site and pavement restoration	1	LS	\$ 7,388.00
	Subtotal	1	LS	\$ 501,202.00
7.	Ysengsong PRV:			
	7.1 Potholing	1	LS	\$ 84,048.00
	7.2 Traffic control	1	LS	\$ 33,283.00
	7.3 Abandonment of pipe	1	LS	\$ 3,314.00
	7.4 Vault	1	LS	\$ 75,716.00
	7.5 6" PRV	1	LS	\$ 9,221.00
	7.6 10" PRV	1	LS	\$ 16,466.00
	7.7 10" meter	1	LS	\$ 10,857.00
	7.8 Piping and connections	1	LS	\$ 149,000.00
	7.9 Electrical system	1	LS	\$ 47,927.00
	7.10 SCADA, instrumentation and controls	1	LS	\$ 77,859.00
	7.11 Commissioning	1	LS	\$ 8,651.00
	7.12 Site and pavement restoration	1	LS	\$ 93,265.00
	Subtotal	1	LS	\$ 609,607.00

Item No.	Description	Quantity	Unit	Extended Amount
8.	Clara PRV:			
8.1	Potholing	1	LS	\$ 121,682.00
8.2	Traffic control	1	LS	\$ 21,457.00
8.3	Abandonment of pipe	1	LS	\$ 2,870.00
8.4	Vault	1	LS	\$ 38,807.00
8.5	6" PRV	1	LS	\$ 18,000.00
8.6	10" PRV	1	LS	\$ 48,615.00
8.7	10" meter	1	LS	\$ 10,857.00
8.8	Piping and connections	1	LS	\$ 53,347.00
8.9	Electrical system	1	LS	\$ 55,663.00
8.10	SCADA, instrumentation and controls	1	LS	\$ 76,201.00
8.11	Commissioning	1	LS	\$ 8,467.00
8.12	Site and pavement restoration	1	LS	\$ 35,865.00
	Subtotal	1	LS	\$ 491,831.00
9.	Kaiser:			
9.1	Potholing	1	LS	\$ 9,254.00
9.2	Traffic control	1	LS	\$ 40,851.00
9.3	Meter vaults	2	LS	\$ 33,941.00
9.4	12" meter	2	LS	\$ 33,681.00
9.5	Bypass PRV vault	1	LS	\$ 36,238.00
9.6	Bypass 12" PRV	1	LS	\$ 76,327.00
9.7	Kaiser PRV vault	1	LS	\$ 63,718.00
9.8	Kaiser 6" PRV	1	LS	\$ 18,378.00
9.9	Kaiser 10" PRV	1	LS	\$ 72,498.00
9.10	Kaiser 10" meter	1	LS	\$ 21,611.00
9.11	Piping and connections	1	LS	\$ 335,576.00
9.12	Replace meters	3	LS	\$ 43,022.00
9.13	Control building	1	LS	\$ 23,537.00
9.14	Fencing	1	LS	\$ 6,838.00
9.15	Electrical system	1	LS	\$ 127,120.00
9.16	SCADA, instrumentation and controls	1	LS	\$ 92,623.00
9.17	Commissioning	1	LS	\$ 10,365.00
9.18	Site and pavement restoration	1	LS	\$ 157,146.00
9.19	Property boundary survey sketch	1	LS	\$ 5,687.00
	Subtotal	1	LS	\$ 1,208,411.00
10.	Astumbo Reservoirs SCADA system for existing instrumentation	1	LS	\$ 85,990.00
11.	Yigo Reservoirs SCADA system for existing instrumentation	1	LS	\$ 92,529.00





Item No.	Description	Quantity	Unit	Extended Amount
12.	Terao PRV (Additive Bid Item):			
10.1	Traffic control	1	LS	\$ 28,097.00
10.2	Meter vault	1	LS	\$ 33,820.00
10.3	20" Meter	1	LS	\$ 37,949.00
10.4	PRV vault	1	LS	\$ 61,228.00
10.5	6" PRV	1	LS	\$ 18,527.00
10.6	12" PRV	1	LS	\$ 31,942.00
10.7	Piping and connections	1	LS	\$ 129,532.00
10.8	Demolish vault and piping	1	LS	\$ 15,599.00
10.9	Electrical system	1	LS	\$ 113,789.00
10.10	SCADA, instrumentation and controls	1	LS	\$ 80,877.00
10.11	Commissioning	1	LS	\$ 12,843.00
10.12	Site and pavement restoration	1	LS	\$ 95,113.00
	Subtotal	1	LS	\$ 659,316.00
13.	Maimai PRV (Additive Bid Item):			
11.1	Traffic control	1	LS	\$ 15,387.00
11.2	Meter vault	1	LS	\$ 42,033.00
11.3	10" Meter	1	LS	\$ 36,043.00
11.4	Meter piping and connections	1	LS	\$ 14,101.00
11.5	4" PRV	1	LS	\$ 4,867.00
11.6	10" PRV	1	LS	\$ 11,742.00
11.7	PRV piping and connections	1	LS	\$ 22,915.00
11.8	Electrical system	1	LS	\$ 64,070.00
11.9	SCADA, instrumentation and controls	1	LS	\$ 78,620.00
11.10	Commissioning	1	LS	\$ 12,592.00
11.11	Site and pavement restoration	1	LS	\$ 314.00
	Subtotal	1	LS	\$ 302,684.00

<b>Table A Base Bid Subtotal</b>	\$ 4,120,000.00
<b>Table A Additive Bid Subtotal</b>	\$ 962,000.00
<b>Table A Base Bid and Additive Bid Total</b>	\$ 5,082,000.00



**TOTAL BASE BID PRICE FOR THE BID SCHEDULE**

For the lump sum of  
\$ 4,120,000.00

\_\_\_\_\_  
(Price in Figures)

FOUR MILLION, ONE HUNDRED TWENTY THOUSAND DOLLARS ONLY

\_\_\_\_\_  
(Price in Words)

This Contract will be awarded to the lowest responsive and responsible bidder based on the total Base Bid Schedule. Determination of the lowest responsive and responsible bidder will be in accordance with the provisions of the Bid Documents.



Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents. Bidder also acknowledges that each unit price includes an amount considered by Bidder to be adequate to cover Bidder's overhead and profit for each separately identified item.

**ARTICLE 6 - TIME OF COMPLETION**

- 6.01 Bidder agrees that the furnishing of Goods and Special Services will conform to the schedule set forth in Article 5 of the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 7 - ATTACHMENTS TO THIS BID**

- 7.01 The following documents are attached to and made a condition of this Bid:
  - A. Required Bid security in the form of BID BOND.
  - B. List of Proposed Major Suppliers;
  - C. Required Bidder Qualification Statement with Supporting Data; and

**ARTICLE 8 - DEFINED TERMS**

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

**ARTICLE 9 - BID SUBMITTAL**

- 9.01 This Bid submitted by:

If Bidder is:

An Individual

Name (typed or printed): N/A

By: N/A  
*(Individual's signature)*

Doing business as: N/A

Business address: N/A

Phone: N/A Facsimile: N/A

E-mail address: N/A



A Partnership

Partnership Name: N/A (SEAL)

By: N/A  
(Signature of general partner - attach evidence of authority to sign)

Name (typed or printed): N/A

Business address: N/A

Phone: N/A Facsimile: N/A

E-mail address: N/A

A Corporation

Corporation Name: SUMITOMO MITSUI CONSTRUCTION CO., LTD

State of Incorporation: JAPAN

Type (General Business, Professional, Service, other): GENERAL CONTRACTOR/ CONSTRUCTION

By: [Signature]  
(Signature - attach evidence of authority to sign)

Name (typed or printed): TAKEYUKI SHIINO

Title: GENERAL MANAGER

Attest [Signature] (CORPORATE SEAL)  
Admin. Manager  
(Signature of Corporate Secretary)

Business address: PO BOX 9670 TAMUNING, GUAM 96931

PHYSICAL ADD: STE 105-107 IBC BLDG, J.L. BAKER ST. HARMON INDUSTRIAL, HARMON, GUAM, 96913

Phone: (671) 649-7521 to 24 Facsimile: (671) 649-7550

E-mail address: tkshiino@smcon.co.jp

A Limited Liability Company (LLC)

LLC Name: N/A

State in which organized: N/A

By: N/A  
(Signature - attach evidence of authority to sign)

Name (typed or printed): N/A

Title: N/A

Business address: N/A

Phone: N/A Facsimile: N/A

E-mail address: N/A



A Joint Venture

First Joint Venturer Name:     N/A     (SEAL)

By:     N/A      
*(Signature - attach evidence of authority to sign)*

Name (typed or printed):     N/A    

Title:     N/A    

Business address:     N/A    

Phone:     N/A     Facsimile:     N/A    

E-mail address:     N/A    

Second Joint Venturer Name:     N/A     (SEAL)

By:     N/A      
*(Signature - attach evidence of authority to sign)*

Name (typed or printed):     N/A    

Title:     N/A    

Business address:     N/A    

Phone:     N/A     Facsimile:     N/A    

E-mail address:     N/A    

Phone and Facsimile Number, and Address for receipt of official communications to Joint Venture:     N/A    

(Each joint venturer must sign. The manner of signing for each individual, partnership, corporation, and limited liability company that is a party to the joint venture should be in the manner indicated above.)



**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. 40-FY2020**

**RELATIVE TO APPROVING AN INCREASE IN FUNDING FOR THE PRESSURE ZONE REALIGNMENT CONSTRUCTION PHASE I PROJECT**

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**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 currently has a number of critical projects as part of GWA’s Capital Improvement Plan, including the installation (i.e. reparation, rehabilitation, replacement, relocation, or development) of pressure regulating or sustaining valves and their appurtenances, as stated in GWA’s Master Plan developed by Brown and Caldwell; and

**WHEREAS**, GWA has advertised an Invitation for Bid (IFB-07-ENG-2019) soliciting bid proposals from experienced, responsible, and responsive bidders to rehabilitate existing and/or construct new pressure reducing valves (PRV), vaults, control buildings, install SCADA connections, and off-site work at 7 sites in the Base Bid and to construct the 2 additional PRV sites in the Additive Bid; and

**WHEREAS**, Resolution No. 11-FY2020 (See Exhibit A- Resolution No. 11-FY2020) approved GWA to award the contract to Sumitomo Mitsui Construction Co., LTD for the Base Bid proposal; and