



**CONSOLIDATED COMMISSION ON UTILITIES**

Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 ~~Hagatna~~, Guam 96932 | (671) 648-3002 | [guamccu.org](http://guamccu.org)

**GUAM WATERWORKS AUTHORITY WORK SESSION**

*CCU Conference Room*

*8:30 a.m., Tuesday, August 16, 2022*

**AGENDA**

1. **CALL TO ORDER**
2. **ISSUES FOR DECISION**
  - 2.1 **Relative to Approving the Charge-Off of Guam Waterworks Authority Receivables Deemed Uncollectible / Resolution 27-FY2022**
  - 2.2 **Relative to Approving FY22 Budget Amendments and Rate Stabilization Fund Transfers / Resolution 28-FY2022**
  - 2.3 **Relative to Approval of Series 2016 and 2020A Bond Proceeds Reallocation / Resolution 29-FY2022**
3. **GM REPORT**
  - 3.1 **Administration**
  - 3.2 **Compliance**
  - 3.3 **Engineering / Capital Improvement Program**
  - 3.4 **Financial**
  - 3.5 **Operations**
  - 3.6 **Other**
4. **OTHER DISCUSSION**
5. **ANNOUNCEMENTS**
  - 5.1 **Next CCU Meetings: GPA Work Session: August 18; CCU Regular Monthly Mtg.: Aug 23**
6. **ADJOURNMENT**



"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. 27- FY2022

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

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

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

The last write off was performed in March 2021. We are proposing this resolution to prepare for the year end closing.

#### Where is the location?

Not applicable

#### How much will it cost?

Proposed amounts to be charged off are \$973,916.

Account	Count	Amount
<b>Trade Receivables</b>	2,290	\$908,951
<b>Accounts Receivable, Government</b>	2	52,093
<b>Accounts Receivable, Others</b>	5	12,872
<b>Total</b>	2,297	\$973,916

Accounts Receivable, Others are for accounts billed to businesses for sewage discharge, work orders, and claims for the period of 2017 to 2018. These businesses have all been recently contacted and we continue to work on collecting these outstanding amounts.

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

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

**When will it be completed?**

As soon as approved by the CCU.

**What is the funding source?**

Not applicable

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

Not applicable



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**GWA RESOLUTION NO. 27-FY2022**

**RELATIVE TO APPROVING THE CHARGE-OFF OF GUAM WATERWORKS  
AUTHORITY RECEIVABLES DEEMED UNCOLLECTIBLE**

**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 Finance regularly reviews accounts receivable and recognizes that not all accounts will be collectible through the Allowance of Doubtful Accounts; and

**WHEREAS**, despite best efforts by GWA to collect outstanding balances, the age of certain receivables exceeds the statute of limitations per 7 GCA § 1134; and

**WHEREAS**, documentation for some of these receivables are not easily found; and

**WHEREAS**, it is good accounting practice to regularly write off accounts that are deemed uncollectible; and

**WHEREAS**, after consideration of the aforementioned, management recommends GWA charge off \$973,916 as summarized herein and further detailed in Exhibit A:

Account	Count	Amount
<b>Trade Receivables</b>	2,290	\$908,951
<b>Accounts Receivable, Government</b>	2	52,093
<b>Accounts Receivable, Others</b>	5	12,872
<b>Total</b>	2,297	\$973,916

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU affirms management's recommendation to charge off these past due inactive receivables for accounts for which reasonable efforts were made to collect \$973,916; the breakdown by year is outlined in Exhibit A.

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

**DULY AND REGULARLY ADOPTED**, this 23<sup>rd</sup> day of August 2022.

Certified by:

Attested by:

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

\_\_\_\_\_  
**MICHAEL T. LIMTIACO**  
Secretary

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**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: \_\_\_\_\_

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

ABENT: \_\_\_\_\_

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

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Guam Waterworks Authority  
Schedule of Proposed Receivables Charge Off - July 2022  
Summary by Customer Class and Fiscal Year

Exhibit A

**Trade Receivables (CC&B)**

Customer Class	FY2015		FY2016		FY2017		FY2018		TOTAL	
	Customers	Amount	Customers	Amount	Customers	Amount	Customers	Amount	Customers	Amount
Agricultural					1	\$ 72.07	2	\$ 1,156.06	3	\$ 1,228.13
Commercial					18	\$ 24,963.84	31	\$ 30,700.46	49	\$ 55,664.30
Residential	2	\$ 90.08	2	\$ 113.18	958	\$ 382,693.51	1,276	\$ 469,162.17	2,238	\$ 852,058.94
<b>Total Trade Receivables</b>	<b>2</b>	<b>\$ 90.08</b>	<b>2</b>	<b>\$ 113.18</b>	<b>977</b>	<b>\$ 407,729.42</b>	<b>1,309</b>	<b>\$ 501,018.69</b>	<b>2,290</b>	<b>\$ 908,951.37</b>

**Other Receivables (JDE)**

Customer Class	FY2015		FY2016		FY2017		FY2018		Total	
	Customers	Amount	Customers	Amount	Customers	Amount	Customers	Amount	Customers	Amount
Agricultural										\$ -
Commercial					3	\$ 7,553.38	2	\$ 5,318.22	5	\$ 12,871.60
Residential										\$ -
Government	1	\$ 45,015.99	1	\$ 7,077.08					2	\$ 52,093.07
<b>Total AR Other</b>	<b>1</b>	<b>\$ 45,015.99</b>	<b>1</b>	<b>\$ 7,077.08</b>	<b>3</b>	<b>\$ 7,553.38</b>	<b>2</b>	<b>\$ 5,318.22</b>	<b>7</b>	<b>\$ 64,964.67</b>

**TOTAL**

Customer Class	FY2015		FY2016		FY2017		FY2018		Total	
	Customers	Amount	Customers	Amount	Customers	Amount	Customers	Amount	Customers	Amount
Agricultural	-	\$ -	-	\$ -	1	\$ 72.07	2	\$ 1,156.06	3	\$ 1,228.13
Commercial	-	\$ -	-	\$ -	21	\$ 32,517.22	33	\$ 36,018.68	54	\$ 68,535.90
Government	1	\$ 45,015.99	1	\$ 7,077.08	-	\$ -	-	\$ -	2	\$ 52,093.07
Residential	2	\$ 90.08	2	\$ 113.18	958	\$ 382,693.51	1,276	\$ 469,162.17	2,238	\$ 852,058.94
<b>Grand Total</b>	<b>3</b>	<b>\$ 45,106.07</b>	<b>3</b>	<b>\$ 7,190.26</b>	<b>980</b>	<b>\$ 415,282.80</b>	<b>1,311</b>	<b>\$ 506,336.91</b>	<b>2,297</b>	<b>\$ 973,916.04</b>



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## Issues for Decision

### **Resolution No. 28-FY2022**

Relative to Approving FY22 Budget Amendments and Rate Stabilization Fund Transfers

#### **Background**

The final FY2022 Budget has been pending Public Utility Commission (PUC) action on the Comprehensive Review and Update (CR&U) of GWA's 5-Year Financial Plan submitted in May 2021. Due to the delay, the CCU approved a rollover of the FY21 cost containment budget in Resolution 26-FY2021 in anticipation that the PUC would act before the end of FY2021 as required by February 2020 Stipulation and Rate Order.

GWA management seeks CCU authorization to increase its Operations and Maintenance budget not to exceed \$95,609,096. The projected increase of \$6 million is driven primarily by increases in power costs of \$5 million, plus a general increase in the cost of goods and services due to supply chain issues, the increasing cost of transportation, and inflation.

On February 23, 2021, the Consolidated Commission on Utilities (CCU) approved Resolution 11-FY2021 Establishment of the GWA Rate Stabilization Fund. The Rate Stabilization Fund (RSF) serves as a tool to manage financial risks without the need for immediate rate relief. Such risks include the uncertainties of the COVID-19 related impacts on the economy and its effects on GWA revenues and debt service coverage (DSC).

In September 2021, GWA transferred the authorized \$11.4 million from GWA's Working Capital Reserves into the RSF. These funds were originally transferred into the Working Capital Reserves from the Working Capital Reserves for Debt Service per CCU Resolution 17-FY2020 which dissolved the Working Capital Reserves for Debt Service fund.

Resolution 11-FY2021 requires that any transfers out of the RSF to the GWA general fund be formally approved as part of the annual budget.

Because of the delays in PUC action on rate relief, CCU Resolution 06-FY2022 authorized transfers up to \$2 million and CCU Resolution 19-FY2022 authorized transfers up to \$3.3 million for a total of up to \$5.3 million from the RSF to the GWA general fund. Both resolutions were passed in anticipation that the PUC would schedule the rate hearing in the near future. However, although the PUC Administrative Law Judge has issued the proposed rate order on May 13, 2022, the PUC has yet to be schedule a meeting to consider the proposed rate order.

To ensure that GWA does not fall below the required 1.25 DSC as required by the bond indenture, approval is requested to transfer up to an additional \$6.1 million out of the RSF into the GWA general fund for a combined total authorization of \$11.4 million. Additionally, if sufficient revenues



exist to replenish the \$11.4 million, approval is requested to transfer from revenues to the RSF up to the authorized amount.

Once the PUC has issued the rate order, currently anticipated for some time in September 2022, GWA management will submit an updated budget resolution for the CCU's consideration and will include any proposed updates for RSF transfers in and transfers out.

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

In the CCU-approved May 1<sup>st</sup> CR&U submittal to the PUC, transfers from the RSF were planned for FY2022 largely because projected demand is lower than normal as a result of the impacts of the COVID-19 pandemic. Adding to this, PUC action on proposed rate increases have been delayed, creating further impacts to current revenues and financial performance.

Although GWA has continued cost containment measures, for the reasons noted above increasing the FY22 budget authorization is necessary and urgent to cover the increases in costs beyond GWA's control and ensure that operations continue without disruption. Similarly, transfers from the RSF have been necessary to meet the minimum required debt service coverage and additional transfers may be necessary prior to the end of the current Fiscal Year to avoid technical default on Bond indenture requirements.

**Where is the location?**

The Rate Stabilization Fund is set up as a separate account under control of the trustee.

**How much will it cost?**

Budget increase of \$6 million is requested.

**When will it be completed?**

Authorization is needed prior to the end of the fiscal period (September 30, 2022).

Transfers out of the RSF into the GWA general fund will only be made if it appears the DSC may fall below the required 1.25 coverage. Transfers in to the RSF to replenish the fund will occur prospectively only if sufficient revenues are realized.

**What is the funding source?**

The increase in the operating expense budget will be funded from revenues and transfers from the Rate Stabilization Fund.

Funds would be transferred from the GWA Rate Stabilization Fund into the GWA General Fund or from Revenues into the RSF for replenishing the fund.

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

Not applicable. GWA will work with the current trustee.



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**GWA RESOLUTION NO. 28-FY2022**

**RELATIVE TO APPROVING FY22 BUDGET AMENDMENTS AND RATE  
STABILIZATION TRANSFERS**

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

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

**WHEREAS**, the CCU adopted GWA Resolution 18-FY2021 Relative to Approving the GWA Five-Year Financial Plan Update on April 27, 2021; and

**WHEREAS**, as required by the Public Utility Commission (PUC) FY20 Rate Decision and Order, on May 1, 2021, GWA submitted the Comprehensive Review and Update to GWA’s Five Year Financial Plan (Updated Financial Plan) to the PUC; and

**WHEREAS**, although the PUC FY20 Rate Decision and Order, and associated Stipulation, required the PUC to act on the Comprehensive Review and Update (CR&U) and set rates for FY2022 through FY2024 by September 30, 2021, the PUC’s consultants have significantly delayed action in the proceeding; and

**WHEREAS**, because of these delays, GWA presented and the CCU approved GWA Resolution No. 26-FY2020 Relative to the Adoption of Guam Waterworks Authority Interim Fiscal Year 2022 Operating Expense Budget totaling \$89.6 million based on \$112.4 million in Operating Revenues on August 24, 2021, pending PUC action on the CR&U; and

1       **WHEREAS**, on November 22, 2021, upon conclusion of evidentiary hearings in the rate  
2 case, the PUC Administrative Law Judge (ALJ) vacated the deadlines in the previous scheduling  
3 order related to the ALJ's report and proposed rate order; and  
4

5       **WHEREAS**, on May 13, 2022, the ALJ issued his Findings of Fact and Conclusions of  
6 Law in Docket 19-08, as well as a proposed Rate Decision for the PUC's consideration and  
7 action, however, no schedule was issued for PUC action on the matter; and  
8

9       **WHEREAS**, while GWA continues to manage its costs, GWA's financial performance  
10 has been impacted by revenue loss and economic disruption associated with the COVID-19  
11 Public Health Emergency, increases in costs related to global supply chain issues, inflation, and  
12 oil/energy costs; and  
13

14       **WHEREAS**, GWA's approved FY22 Interim Cost Containment Budget of \$89.6 million  
15 is not sufficient to cover the projected year-end expenses despite continued cost containment,  
16 and FY22 total Operating Revenues are projected at \$100.7 million, approximately \$12 million  
17 below approved budget levels; and  
18

19       **WHEREAS** management seeks to increase spending authorization of GWA's FY22  
20 Interim Budget by not more than \$6 million for a projected total of \$95.6 million as reflected in  
21 Attachment A herein; and  
22

23       **WHEREAS**, the CCU approved Resolution 11-FY2021 Establishment of the GWA Rate  
24 Stabilization Fund (RSF) to provide a tool to forestall the need for immediate rate relief and  
25 manage financial risks, such as the uncertainties of COVID-19 related impacts on the economy  
26 and its effects on GWA revenues and debt service coverage; and  
27

28       **WHEREAS**, GWA transferred \$11.4 million from GWA's Working Capital Reserves  
29 into the RSF in September 2021 as authorized by Resolution 11-FY2021; and  
30

1       **WHEREAS**, the planned use of RSF transfers to augment revenues for FY2022 are  
2 required to maintain DSC in light of the increase in actual expenses, increase in projected total  
3 year-end operating expenses and reduced revenue resulting from delayed action on GWA's  
4 CR&U; and

5  
6       **WHEREAS**, *Section 5.02 Allocation of Revenues* of the Bond Indenture states that funds  
7 flow into the Rate Stabilization Fund in *the amount specified for such month in a Certificate of*  
8 *the Authority which also certifies that such amount is consistent with the annual budget*  
9 *established by the Authority*, and *Section 6.08 Authority Budgets* of the Bond Indenture states  
10 that *the Authority, as part of the annual budget, may transfer funds to or from the Rate*  
11 *Stabilization Fund each month*; and

12  
13       **WHEREAS**, Resolution 11-FY2021 requires that the CCU formally approve any  
14 planned utilization (transfers out) of the RSF; and

15  
16       **WHEREAS**, the CR&U proposed RSF transfers of \$5.3 million for FY2022 assuming  
17 the PUC would act on the request to adjust rates; and

18  
19       **WHEREAS**, Resolution 06-FY2022 authorized the transfer of up to \$2 million and 19-  
20 FY2022 authorized \$3.3 million from the GWA Rate Stabilization Fund into the GWA General  
21 Fund for a total of \$5.3 million in authorized transfers; and

22  
23       **WHEREAS**, additional Rate Stabilization Fund transfers of up to \$6.1 million may  
24 needed to cover the increases in expenditures and maintain required debt service coverage.

25  
26       **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
27 does hereby approve the following:

- 28           1. The recitals set forth above hereby constitute the findings of the CCU.  
29           2. The CCU authorizes an increase in GWA's FY22 Interim Operating Expense  
30           Budget by not more than \$6 million up to \$95.6 million as reflected in

Attachment A, to maintain operations and maintenance activities with continued cost containment efforts.

3. The CCU finds that it would be prudent to approve additional transfers as needed of up to \$6.1 million from the GWA Rate Stabilization Fund into the GWA General Fund bringing the total authorized transfers to \$11.4 million to ensure that GWA continues to meet the debt service coverage of 1.25x required by the bond indenture and Working Capital Reserves equal to at least 120 days of annual Operations and Maintenance expenses.
4. The CCU authorizes, as circumstances allow, the transfers from revenues to the Rate Stabilization Fund to rebuild the reserve up to the original \$11.4 million.
5. The CCU directs that GWA Management shall notify the CCU of any utilization (transfers out) or replenishment (transfers in) of the Rate Stabilization Fund.
6. The CCU directs GWA Management to include updates to the RSF in the FY22 and FY23 budget resolutions to be provided upon action by the PUC on GWA's CR&U in Docket 19-08.

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

**DULY AND REGULARLY ADOPTED**, this 23<sup>rd</sup> day of August 2022.

Certified by:

Attested by:

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

Chairperson

\_\_\_\_\_  
**MICHAEL T. LIMTIACO**

Secretary

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**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: \_\_\_\_\_

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

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

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

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**ATTACHMENT A**  
**Resolution 28-FY2022**

	FY2021 ANNUAL BUDGET		FY2022 ANNUAL BUDGET	
	PUC Adopted	CCU COST CONTAINMENT	FY22 Interim Budget APPROVED	FY22 Budget Amendments Projections- July 2022
<b>OPERATING REVENUES</b>	<b>125,418,435</b>	<b>112,368,157</b>	<b>112,368,157</b>	<b>100,756,467</b>
Water Revenues	77,436,674	70,360,478	70,360,478	64,219,483
Wastewater Revenues	44,115,188	38,717,108	38,717,108	33,111,008
Legislative Surcharge	3,866,573	3,290,570	3,290,570	2,968,777
Other Revenues	430,737	430,737	430,737	457,199
System Development Charge	929,304	929,304	929,304	699,059
<b>Total Operating Revenues</b>	<b>126,778,476</b>	<b>113,728,198</b>	<b>113,728,198</b>	<b>101,455,526</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>				
Water Purchases	10,123,306	8,623,306	8,623,306	6,606,117
<b>Power Purchases</b>	<b>12,985,577</b>	<b>12,985,577</b>	<b>12,985,577</b>	<b>17,987,175</b>
Total Utility Costs	23,108,883	21,608,883	21,608,883	24,593,292
Salaries and Wages	23,230,648	21,230,648	21,230,648	19,600,158
Pension and Benefits	7,283,895	7,283,896	7,283,896	7,354,195
Total Salaries and Benefits	30,514,544	28,514,544	28,514,544	26,954,353
Capitalized Labor and Benefits	-3,700,000	-3,700,000	3,700,000	3,274,789
Net Salaries and Benefits	26,814,544	24,814,544	24,814,544	23,679,564
<b>Administrative and General Expenses</b>				
Sludge removal	1,723,427	1,582,885	1,582,885	901,006
Chemicals	2,569,917	2,360,346	2,360,346	1,964,393
<b>Materials &amp; Supplies</b>	<b>2,390,134</b>	<b>2,195,224</b>	<b>2,195,224</b>	<b>2,321,533</b>
<b>Transportation</b>	<b>487,311</b>	<b>447,572</b>	<b>447,572</b>	<b>781,100</b>
Communications	189,819	174,340	174,340	154,927
Claims	67,688	62,168	62,168	52,929
<b>Insurance</b>	<b>1,001,929</b>	<b>920,224</b>	<b>920,224</b>	<b>1,319,596</b>
Training & Travel	383,090	351,850	351,850	151,785
Advertising	148,241	136,152	136,152	45,450
Miscellaneous	1,168,002	1,072,754	1,072,754	1,282,238
Regulatory Expense	315,593	289,857	289,857	436,575
<b>Bad Debts Provision</b>	<b>1,817,578</b>	<b>1,669,358</b>	<b>1,669,358</b>	<b>2,005,985</b>
Total Administrative and General Expense	12,262,728	11,262,731	11,262,731	11,417,518
<b>Depreciation Expense</b>	<b>22,271,032</b>	<b>22,271,032</b>	<b>22,271,032</b>	<b>27,708,727</b>
<b>Contractual Expense</b>				
<b>Audit &amp; Computer Maintenance</b>	<b>1,291,638</b>	<b>1,114,848</b>	<b>1,114,848</b>	<b>1,722,365</b>
Building rental	574,913	496,223	496,223	508,767
Equipment rental	1,216,844	1,050,291	1,050,291	459,908
<b>Legal</b>	<b>7,823</b>	<b>6,752</b>	<b>6,752</b>	<b>202,467</b>
Laboratory	491,917	424,587	424,587	506,037
Other	3,722,851	3,213,293	3,213,293	1,556,751
Total Contractual Expense	7,305,986	6,305,994	6,305,994	4,956,295
Retiree Supp. Annuities and health care costs	3,255,923	2,800,628	2,800,628	2,629,701
Contribution to Government of Guam	677,256	582,552	582,552	624,000
Total Retiree Benefits	3,933,180	3,383,180	3,383,180	3,253,701
<b>Total Operating Expenses</b>	<b>95,696,352</b>	<b>89,646,364</b>	<b>89,646,364</b>	<b>95,609,096</b>
<b>Earnings (Loss) from Operations</b>	<b>31,082,124</b>	<b>24,081,834</b>	<b>24,081,834</b>	<b>5,846,429</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	1,539,593	1,539,593	1,539,593	34,482
Interest Income - Other Funds	248,637	248,637	248,637	9,851
Interest Income - SDC	29,850	29,850	29,850	5,336
Interest Expense - 2010/13/14/16/17/20 Series Bond	(31,659,950)	(31,659,950)	(31,659,950)	(29,489,403)
Contributions from Federal Government	-	-	-	0
Federal Expenditures	-	-	-	0
Loss on Asset Disposal	-	-	-	(35,186)
AFUDC	-	-	-	0
Amortization of Discount, Premium and Issuance Costs	(276,930)	(276,930)	(276,930)	1,876,188
Defeasance due to bond refunding	(269,263)	(269,263)	(269,263)	(2,056,782)
Deferred outflows from pension	-	-	-	0
Prior Year Adjustment	-	-	-	163,090
Total non-operating revenues (expenses)	(30,388,063)	(30,388,063)	(30,388,063)	(29,492,424)
<b>Net Income (Loss) before capital contributions</b>	<b>694,061</b>	<b>(6,306,229)</b>	<b>(6,306,229)</b>	
<b>Capital Contributions</b>				
Grants from US Government	39,732,857	39,732,857	39,732,857	34,565,647
Grants from GovGuam & Others	-	-	0	0
Total Capital Contributions	39,732,857	39,732,857	39,732,857	34,565,647
<b>Change in Net Assets</b>	<b>40,426,918</b>	<b>33,426,628</b>	<b>33,426,628</b>	<b>34,565,647</b>
<b>Debt Service Calculation</b>				
Earnings From Operations	31,082,124	24,081,834	24,081,834	5,846,429
System Development Charge	-929,304	-929,304	-929,304	(457,199)
Retiree COLA	582,552	582,552	582,552	624,000
Interest/Investment Income	354,605	354,605	248,637	9,851
<b>Plus withdrawals (deposits) to Rate Stabilization Fund</b>				<b>11,400,000</b>
Depreciation	22,271,032	22,271,032	22,271,032	27,708,727
<b>Balance Available for Debt Service per Section 6.12</b>	<b>53,361,008</b>	<b>46,360,718</b>	<b>46,254,750</b>	<b>45,131,808</b>
Working Capital Reserve Available for Debt Service				
Transfer to Working Capital - Debt Service Reserve				
Transfer to Working Capital - O&M Reserve				
<b>Balance Available for Debt Service inclusive of reserves</b>	<b>53,361,008</b>	<b>46,360,718</b>	<b>46,254,750</b>	<b>45,131,808</b>
<b>Debt Service</b>				
Principal	9,270,000	9,270,000	9,270,000	9,745,000
Interest	24,959,950	23,959,950	22,547,962	23,713,069
<b>Total</b>	<b>34,229,950</b>	<b>33,229,950</b>	<b>31,817,962</b>	<b>33,458,069</b>
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.56</b>	<b>1.40</b>	<b>1.45</b>	<b>1.35</b>
<b>Debt Service Coverage (1.40X) inclusive of reserves (PUC)</b>				



"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. 29-FY2022**

Relative to Approval of Series 2016 and 2020A Bond Proceeds Reallocation

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

The objective of the bond proceeds reallocation is to allocate additional funding for the remaining court ordered water tank projects. Construction costs are significantly higher than originally estimated during the development of the 2018 Water Resources Master Plan and funding must be identified so that the projects can be obligated and completed timely.

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

The reallocated funding will be applied to tank construction and repair/rehabilitation projects at several location island-wide.

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

While there is no additional cost proposed over previously approved 2016 and 2020A bond expenditures, GWA management seeks to reallocate XXXX million of XXX Bond proceeds, from projects for which have already been completed, or can be deferred and for which funds are not immediately needed. It is the intent that these projects will be funded from future bond proceeds.

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

GWA intends to issue the bid documents for the millions largest new tank construction projects in October, with some rehabilitation/repair projects being funded in the near term as on-going inspections and assessments are completed. The reallocation is necessary so that the funds can be certified for these upcoming construction contracts.

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

2016 and 2020A Bonds

#### **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. 29-FY2022**

**RELATIVE TO APPROVAL OF SERIES 2016 AND 2020A BOND PROCEEDS  
REALLOCATION**

**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**, in accordance with the 2011 U.S. District Court Order, GWA has completed most of the Court Order compliance requirements with respect to the Repair, Rehabilitation, Relocation or Replacement of water storage reservoirs/tanks as recommended in the hydraulic analysis of GWA’s water distribution system; and

**WHEREAS**, there remain additional tanks that are required to be replaced or rehabilitated per the court order; and

**WHEREAS**, the last remaining new tank projects have been designed and GWA engineering will be ready to issue Invitations for Bid by September or October, and subsequently finalize contracts for this construction requiring fund certification; and

**WHEREAS**, the remaining tank rehabilitation and repair projects are being inspected and assessed to finalize the cost of repairs and rehabilitation, which will be authorized as required to meet the current Court Order deadline for completion; and

//

1       **WHEREAS**, as a result of global supply chain issues, increased demand in the local  
2 construction market resulting from the military buildup, and other geopolitical impacts on the  
3 cost of energy and materials, the cost of the construction or rehabilitation of the water tanks has  
4 increased significantly since the development of the current Five-Year Capital Improvement  
5 Program (CIP); and

6  
7       **WHEREAS**, due to the economic impacts of COVID-19 on GWA's revenues and the  
8 delayed action on GWA's Comprehensive Review & Update (CR&U) in Docket XX-XX, GWA  
9 has significantly less revenue-funded or internally funded capital improvement program (IFCIP)  
10 funds that might be used to make up for increased construction costs; and

11  
12       **WHEREAS**, GWA management has identified several non-Court Order projects in the  
13 current CIP that can be deferred; and

14  
15       **WHEREAS**, GWA management seeks to reallocate xxx of the xxx Bond proceeds from  
16 various deferred CIP line items to augment the CIP line items PW 09-11 "Water System  
17 Reservoirs 2005 Improvements" (See Exhibit A) for the purposes of covering the increased  
18 construction costs for the Court Order tank projects; and

19  
20       **WHEREAS**, funding for these deferred CIP projects will need to be obtained through  
21 future capital financing sources; and

22  
23       **WHEREAS**, the reallocation of the 2016 and 2020A Bond as described above will likely  
24 cause the CIP to need adjustment to reflect the required movement of funding. Such adjustment  
25 will be included in the current and on-going Water Resource Master Plan 5-year review, which  
26 will also allow for additional modification of CIP line items to reflect current developments with  
27 additional compliance requirements, emerging water contaminants, changing grant fund  
28 allocations and changes to future bond borrowing for the CIP; and

29  
30       **WHEREAS**, GWA management seeks CCU approval to petition the PUC for approval  
31 to reallocate the 2016 and 2020A bonds as indicated above.

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the justification for the bond reallocation for the Court Ordered Water Tank Projects to be acceptable.
3. The CCU hereby approves XXX (\$XXX) of 2016 and 2020A Bond proceeds from various CIP line items to be reallocated to the CIP line items PW 09-11 "Water System Reservoirs 2005 Improvements".
4. The CCU further approves the management of GWA to complete documentation and consultation necessary to petition and obtain PUC approval of the bond fund reallocation as indicated herein.

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

**DULY AND REGULARLY ADOPTED**, this 23<sup>rd</sup> day of August 2022.

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: \_\_\_\_\_

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

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

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

///

///

///

///



# Management Report GWA Work Session August 16, 2022



### GWA Workforce availability as of August 10, 2022

Healthy	341	94.7%
Sick, not COVID-19 related	7	1.9%
COVID-19 Quarantined	4	1.1%
Employee with COVID-19, active case	3	0.8%
Military Leave	4	1.1%
LTD	1	0.3%
	360	100%

Total		
Healthy/Reporting for duty at worksite	317	88.1%
Healthy/Reporting for duty - Part Teleworking and Part Reporting for duty at worksite	4	1.1%
Healthy/Reporting for duty - Teleworking	4	1.1%
Healthy on annual leave	16	4.4%
Employee sick - symptoms unrelated to COVID-19	7	1.9%
Military Leave	4	1.1%
Employee diagnosed with COVID-19	3	0.8%
LTD/Workers Comp	1	0.3%
Employee's direct exposure to a household member - COVID-19 confirmed case	2	0.6%
Employee sick - symptoms related to COVID-19	2	0.6%
	360	100.00%

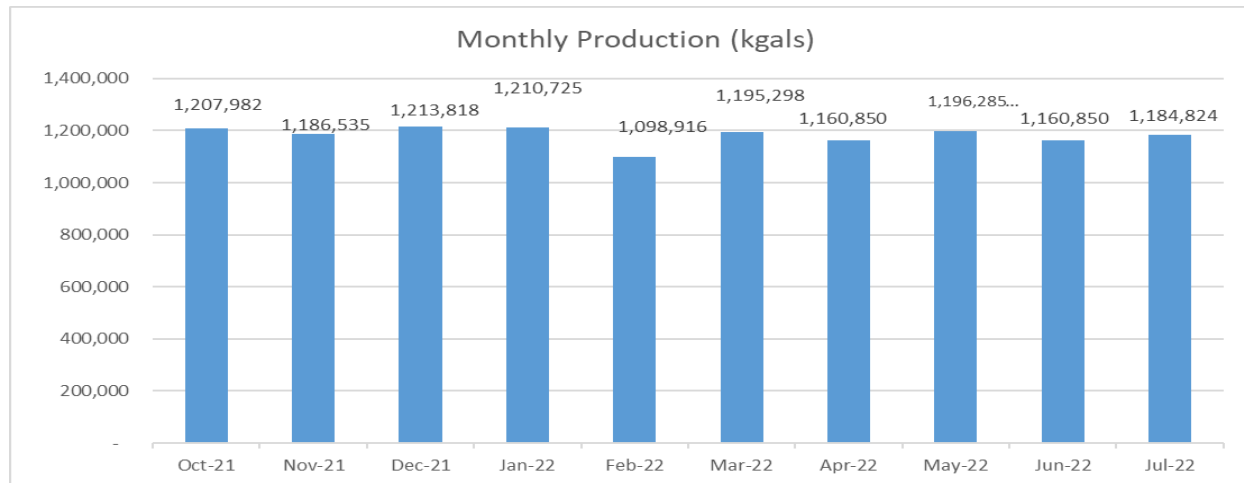
### GWA Workforce Vaccine Status as of August 10, 2022

Fully Vaccinated	340	94%
Did Not Receive Shot	20	6%
	360	100%

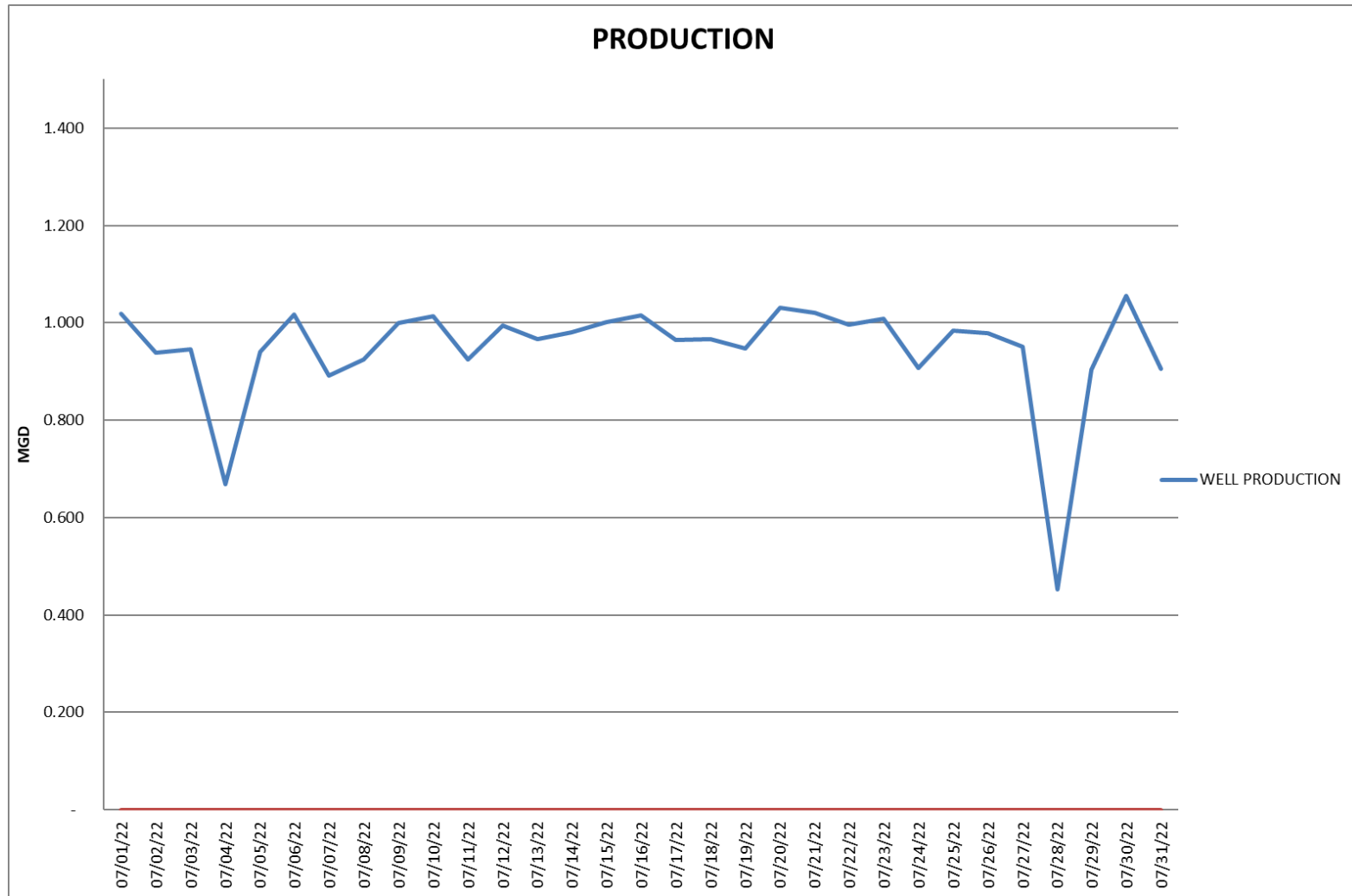
## Operations Update

## Production (July 2022)

Monthly Production Summary - July 2022					DW Status, July 2022			
Deep Wells					35.0 MGD			
	Active wells =	91 of 120				Grounded Motors	18	A26-D01-D03-D06-D10-D14-D28-F02-F10-F13-F15-F20-G501-M06-M12-Y04-Y16-Y19
	Avg days in operation =	31 days						
	Total Production =	1,083,974 Kgals						
Springs					0.16 MGD			
	Avg days in operation =	31 days				Out of Commission	9	A02-A07-A28-A29-D05-D13-M14-MJ01-MJ05
	Total Production =	5044 Kgals						
Ugum Surface Water Plant					2.1 MGD			
	Avg days in operation =	31 days				Secured - PFO	2	A23-A25
	Total Production =	66,492 Kgals						
Tumon Maui Well					0.95 MGD			
	Avg days in operation =	31 days				TOTAL	120	
	Total Production =	29,314 Kgals						
1,184,824 Kgals					38.2 MGD			



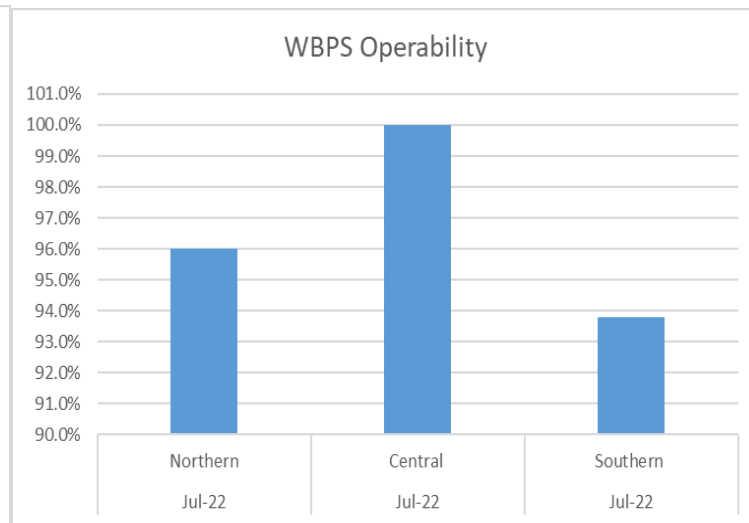
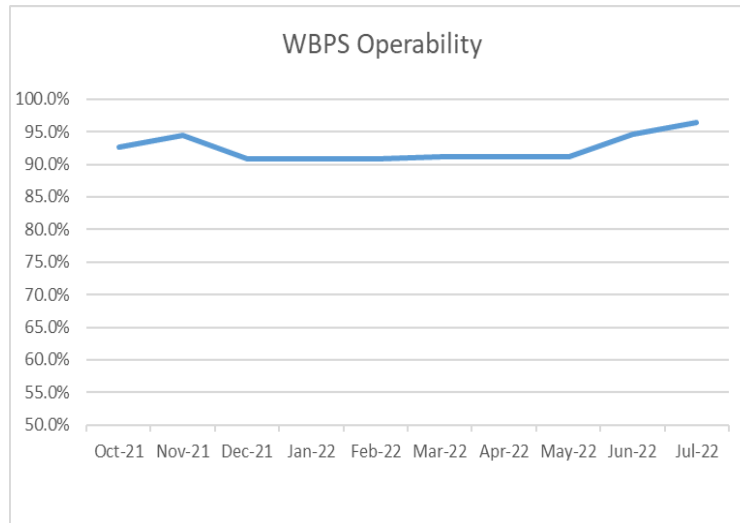
Tumon Maui Well Production (July 2022)



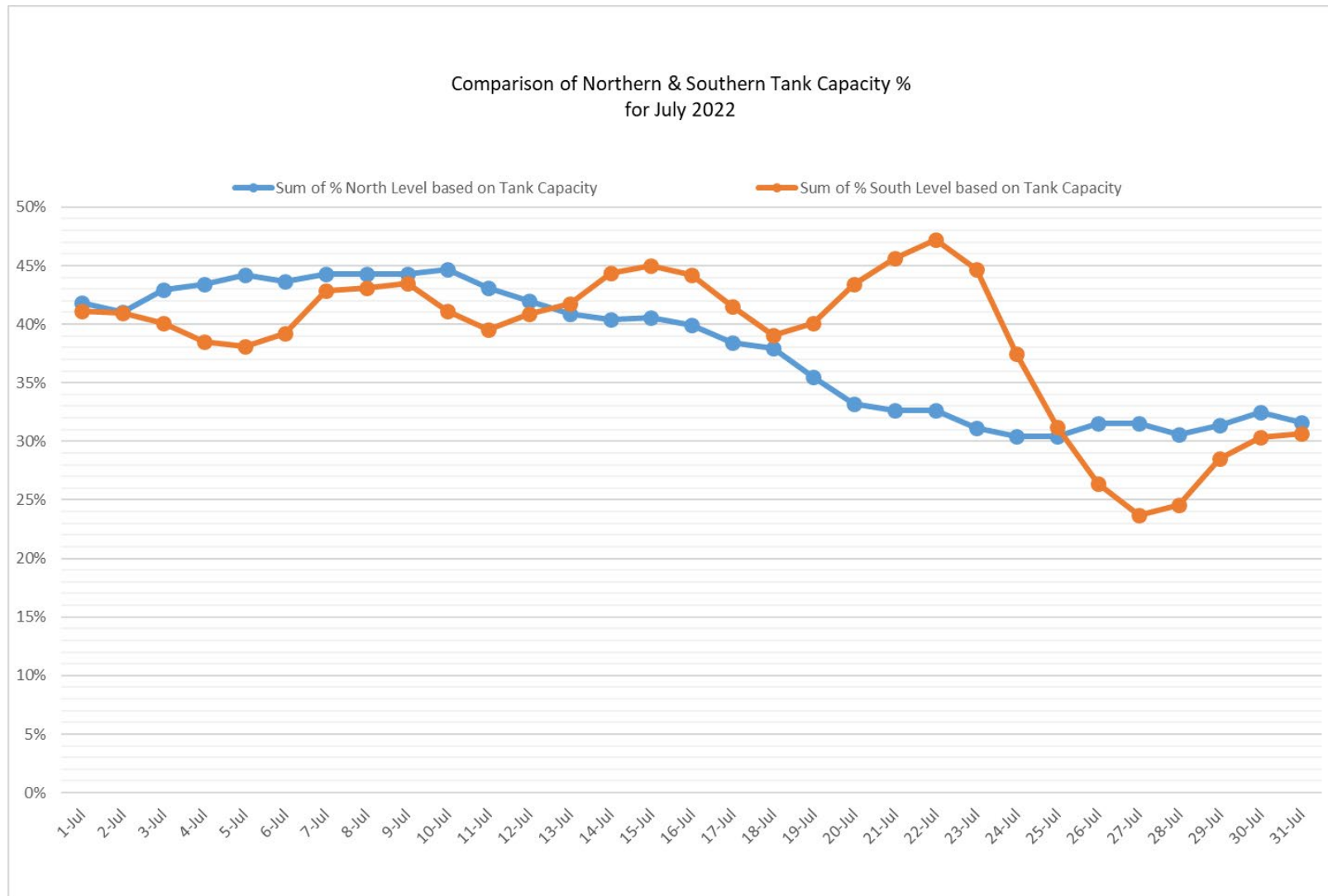


## Distribution (July 2022)

Monthly Distribution Summary - July 2022					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	25	24	96.0%
	Central	7	15	15	100.0%
	Southern	7	16	15	93.8%
		27	56	54	96.4%

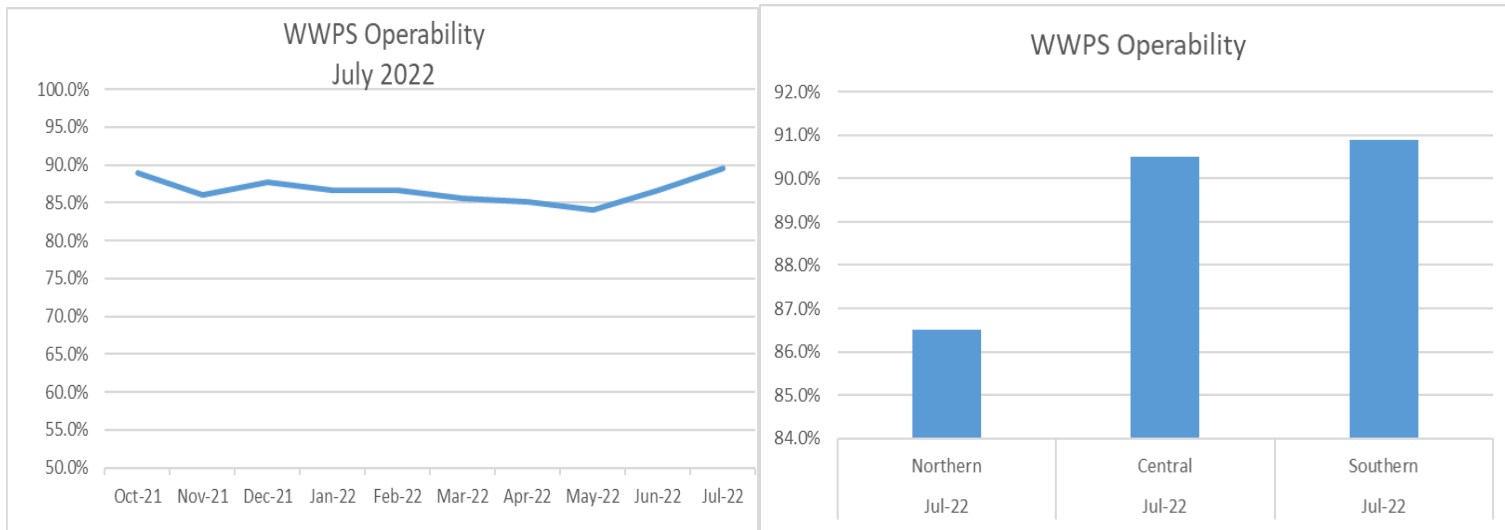


Distribution – Tank Levels (July 2022)

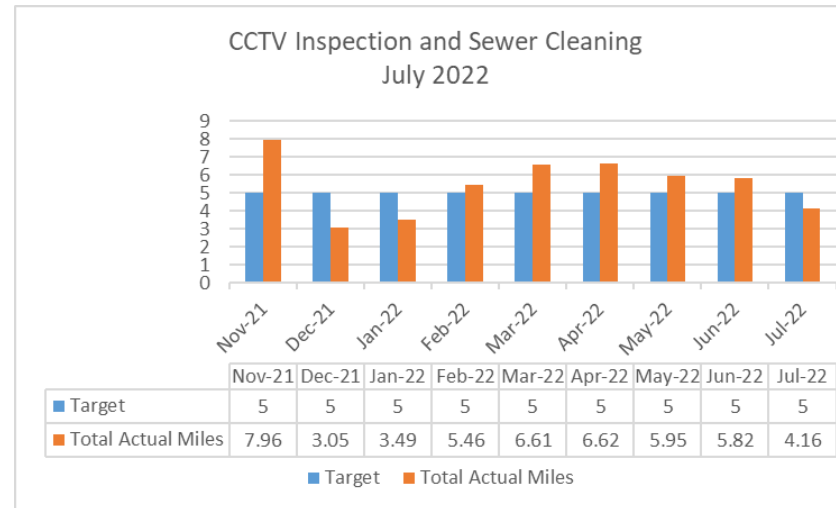


## Wastewater Collections (July 2022)

Monthly Collections Summary - July 2022					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	45	86.5%
	Central	29	63	57	90.5%
	Southern	31	66	60	90.9%
		82	181	162	89.5%

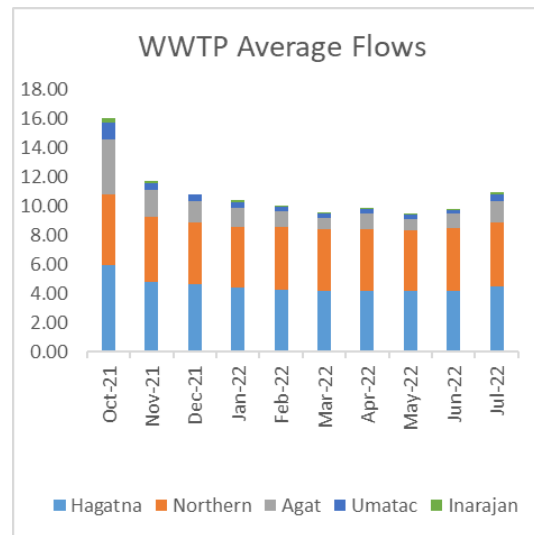


Wastewater Collections - CCTV (July 2022)



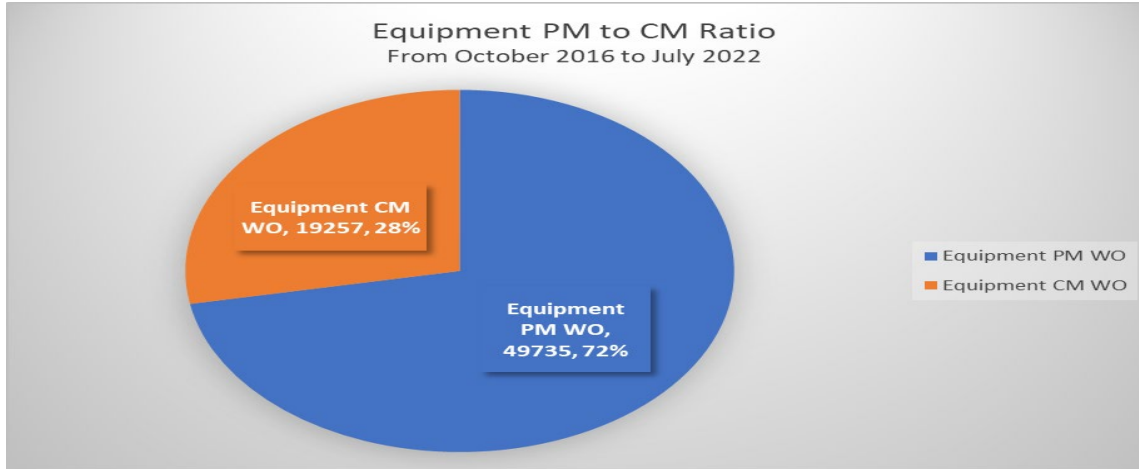
## Wastewater Treatment (July 2022)

Monthly Wastewater Treatment Summary - July 2022				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.50	237,600	\$ 21,384
	Northern	4.38	363,380	\$ 32,704
	Agat	1.47	69,420	\$ 6,248
	Umatac	0.49		
	Inarajan	0.13		
		10.97	670,400	\$ 60,336

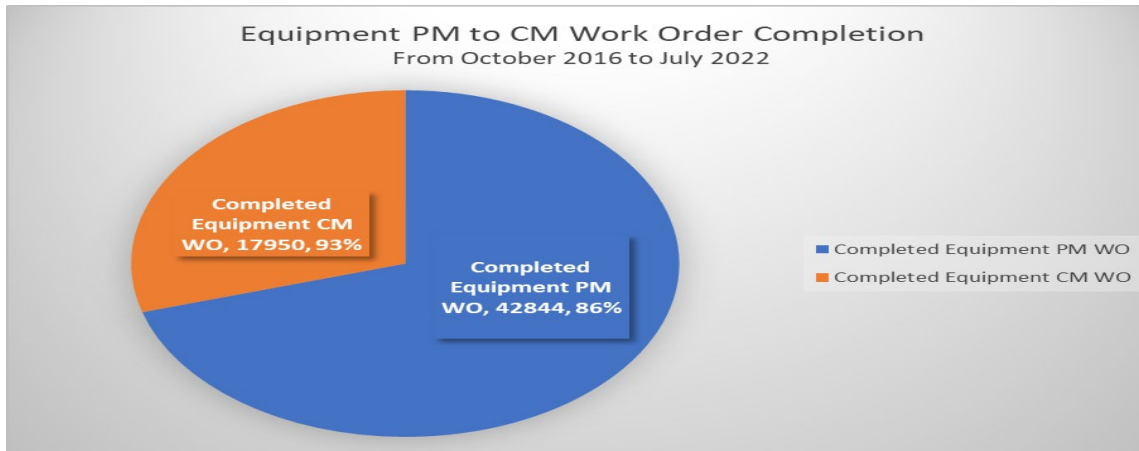


Asset Management (through July 2022)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

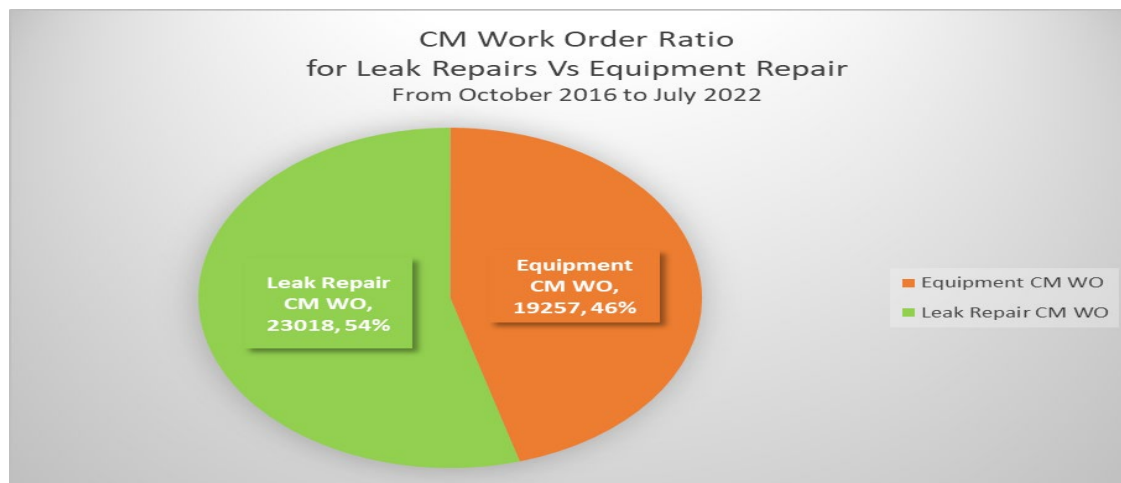


II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*

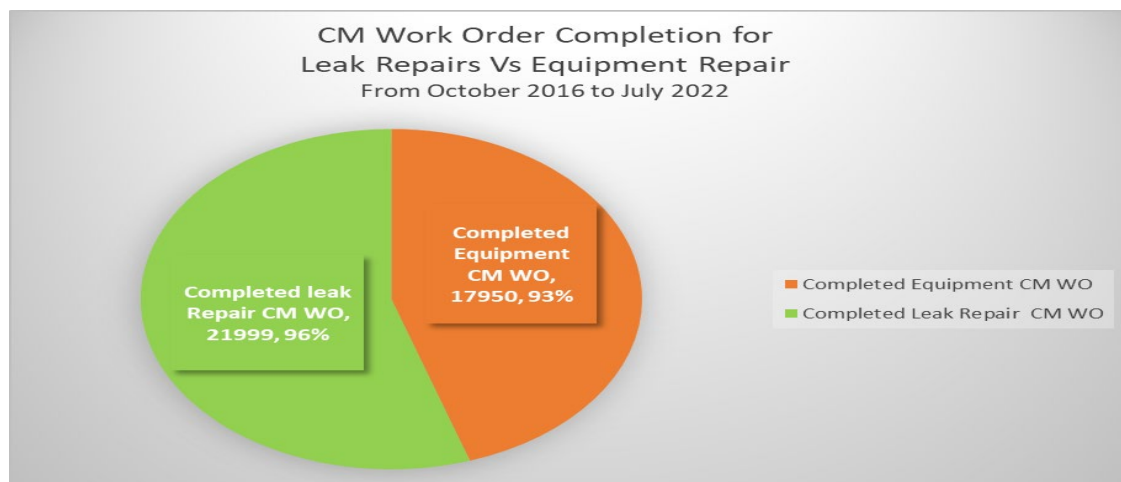


Asset Management (through July 2022)

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



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

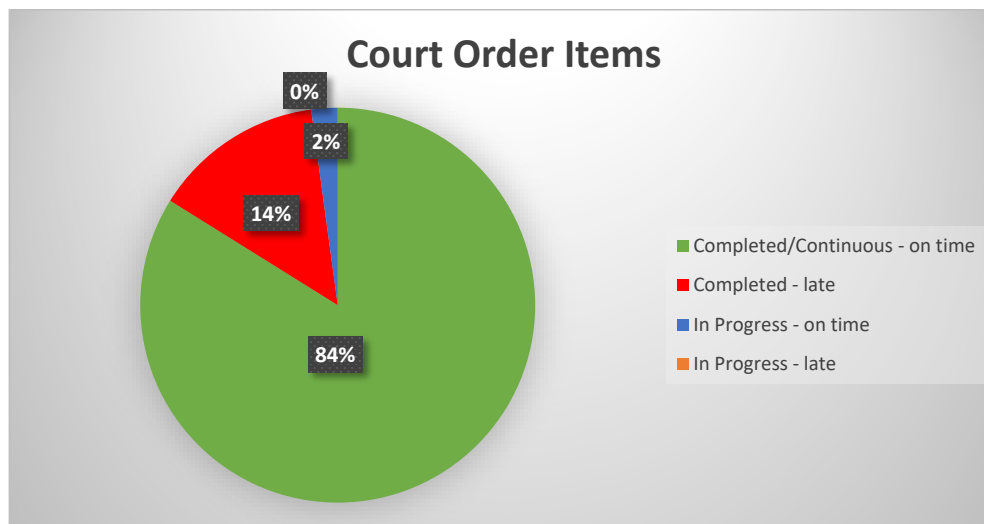


One Guam Update (through July 2022)

- **01-TMW**
  - Next Inspection will be August 18, 2022
- **02-AG-1**
  - GWA is waiting for the Grant of Easement - being routed for signature with Andersen Environmental.
- **04-OEA Projects - Observation Wells/NGLA**
  - New Wells Drilling Status- Yigo well drilling is going very well. Drilling reach 650 feet.
  - Outstanding: Northwest Field, Andersen and NCSF1 and rehab EX-8. (7 new & 2 rehab)
- **30-Other**
  - GWA WW Collection System Easement Request for Marbo Property
    - GWA is waiting on response from DOD regarding next steps for approval of easement
  - DoD Water Line Status – Two Lovers' Point Road / GWA interested in an interconnect as Redundancy for NDWWTP
    - Pending response from GPA



## Court Order Summary (July 2022 – 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>	93	100%		

## Court Order – Status Information (July 2022)

No CO delays due to approval of CO extension.

- Final Date to complete CO 29(b) is June 30, 2023.
- Overflow or Bypass events reported to USEPA (through July 27, 2022):
  - July 1, 2022, SSO#653, E&L Laundromat, Chalan Canton Tasi, Yona – FOG
  - July 5, 2022, SSO#654, E&L Laundromat, Chalan Canton Tasi, Yona – Debris
  - July 7, 2022, SSO#659, Harmon Pump Station, Rojas Drive, Harmon - Pump Station Failure-due to power fluctuation
  - July 21, 2022, SSO#666, Mamajanao Pump Station – Pump Station Failure-defective switch
  - July 25, 2022, SSO#667, Mendioka Street, Harmon – FOG
  - July 27, 2022, SSO#669, Southern Link Pump Station – Pump Station Failure-due to power fluctuation
  - July 27, 2022, SSO#672, Aga Street, Santa Rita – Hydraulic Capacity-due to heavy rain

## Land Acquisition Summary (through July 2022 – no changes)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo	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 on 09/02/2021, 10/06/2021, 11/03/2021, 01/27/2022, 03/04/2022, 05/12/2022 and 07/07/2022.
	Piti	Private	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	Dept. of Agriculture / Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2 <sup>nd</sup> follow up sent on 09/12/18. 3 <sup>rd</sup> follow up sent on 04/10/19. Retracement Survey Property Map filed and recorded at DLM 7/10/19. 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 and 07/07/2022.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inalahan 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 on 05/11/2022.

*(Continued on next page)*

## Land Acquisition Summary (through July 2022 – no changes - continuation)

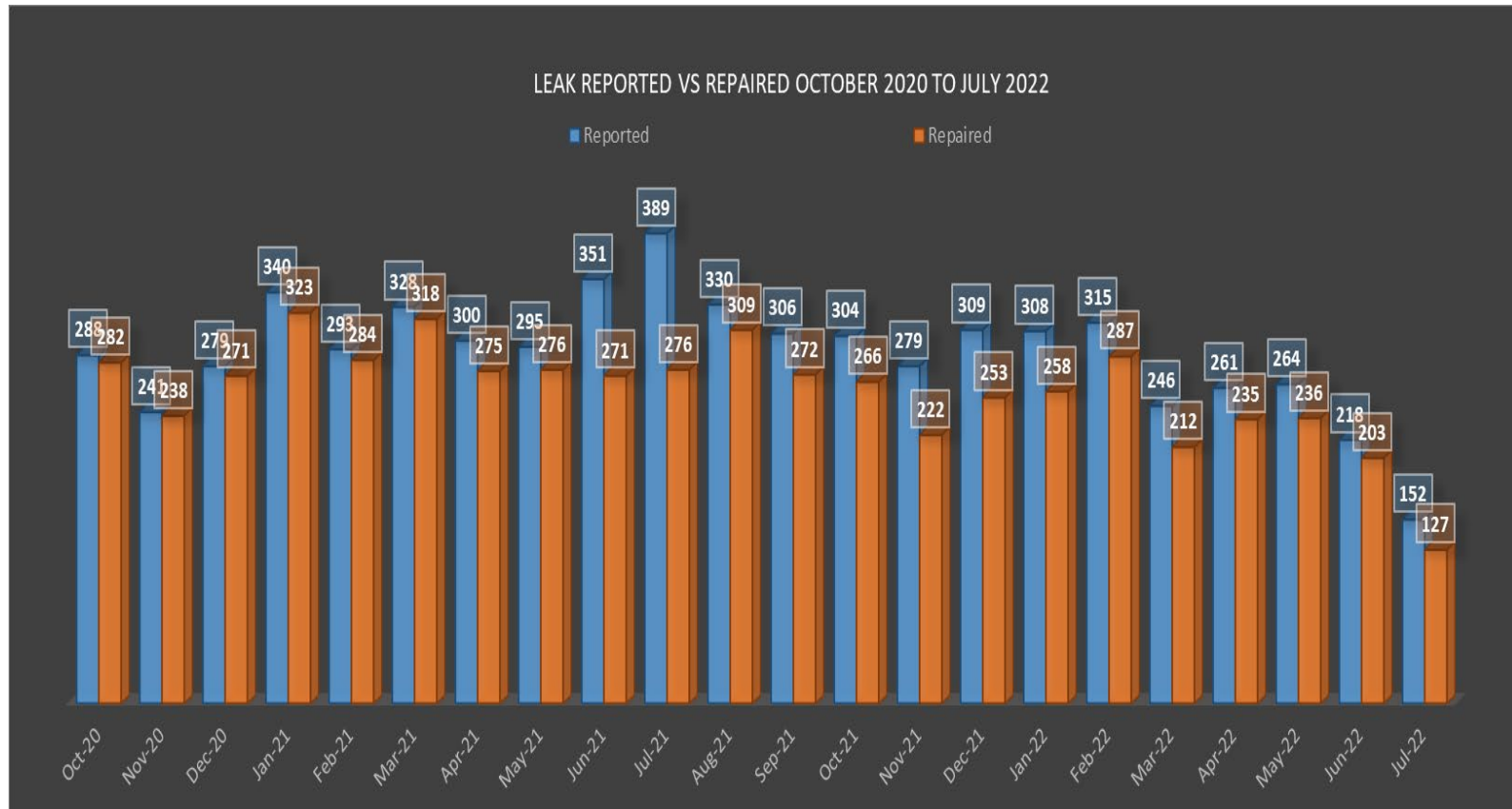
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Asan	Federal	<p>In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment (EA) will be developed. The permit 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. Based on a preliminary finding by HDR's biologist they have found snails close to the site, and within NPS proposed ROW, and outside the proposed ROW. Draft report submitted to NPS, 4/1/2021.</li> <li>Comments received from NPS, 6/4/2021.</li> <li>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, 11/05/2021. 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> <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; rec'd. first comments on 7/1/2021.</li> <li>Submitted revised letter on 7/12/2021; rec'd. comments on 8/9/2021.</li> <li>Resubmitted letter to NPS on 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>

(Continued on next page)

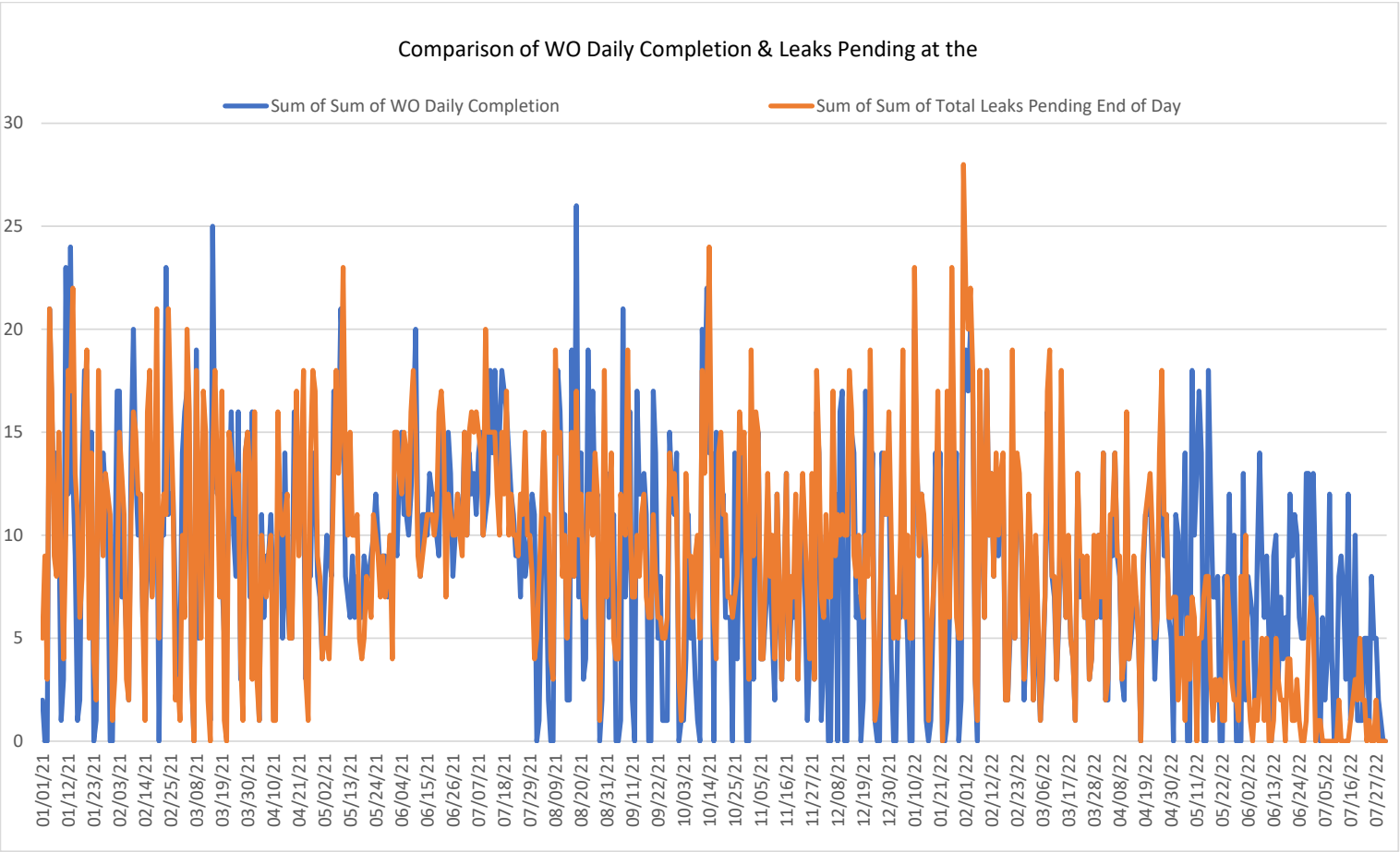
## Land Acquisition Summary (through July 2022 – no changes – continuation)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Asan	Federal	<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>

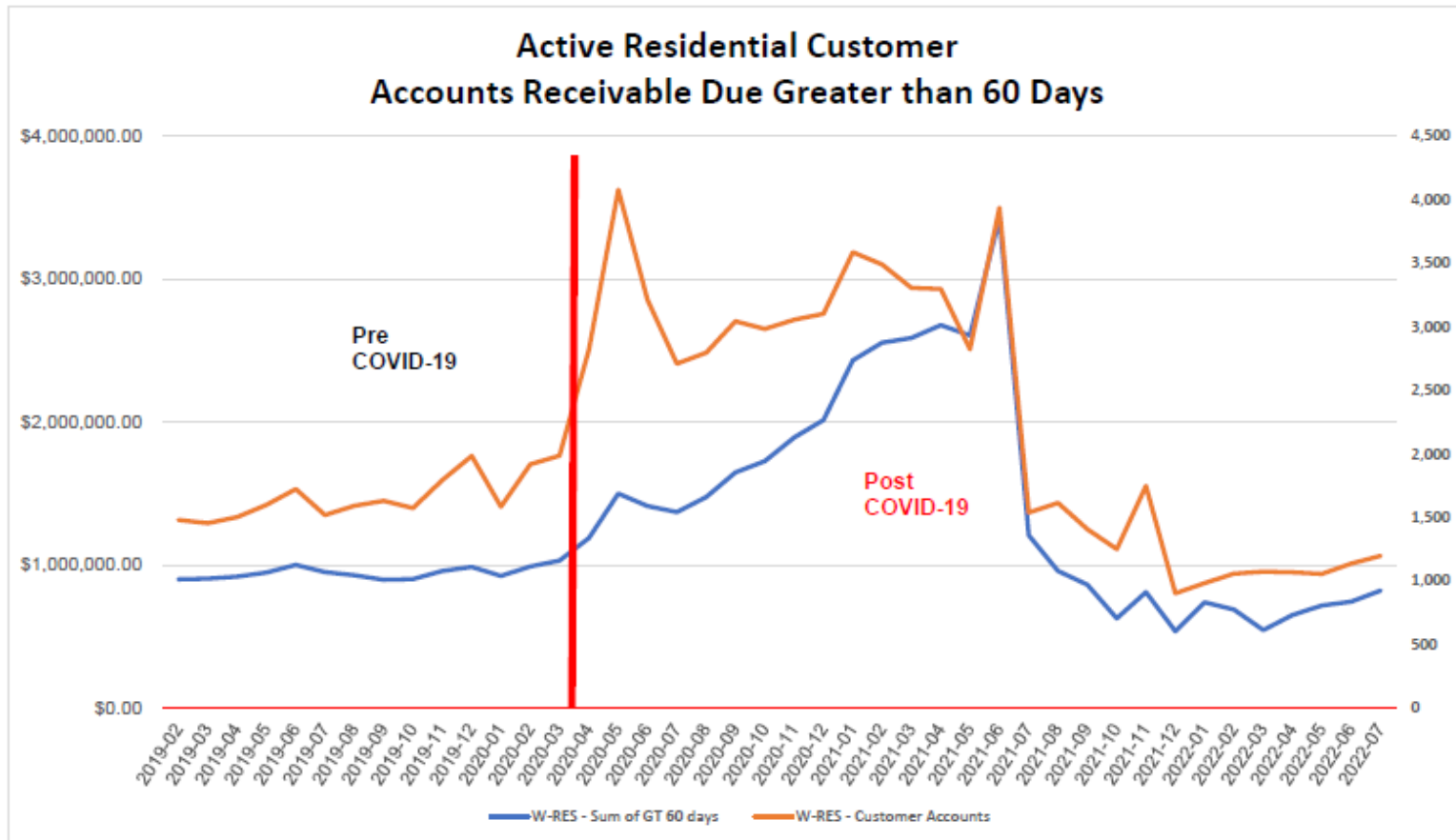
Comparison of Leaks Reported vs. Leaks Repaired (through July 2022)



Daily Leak Repairs (through July 2022)



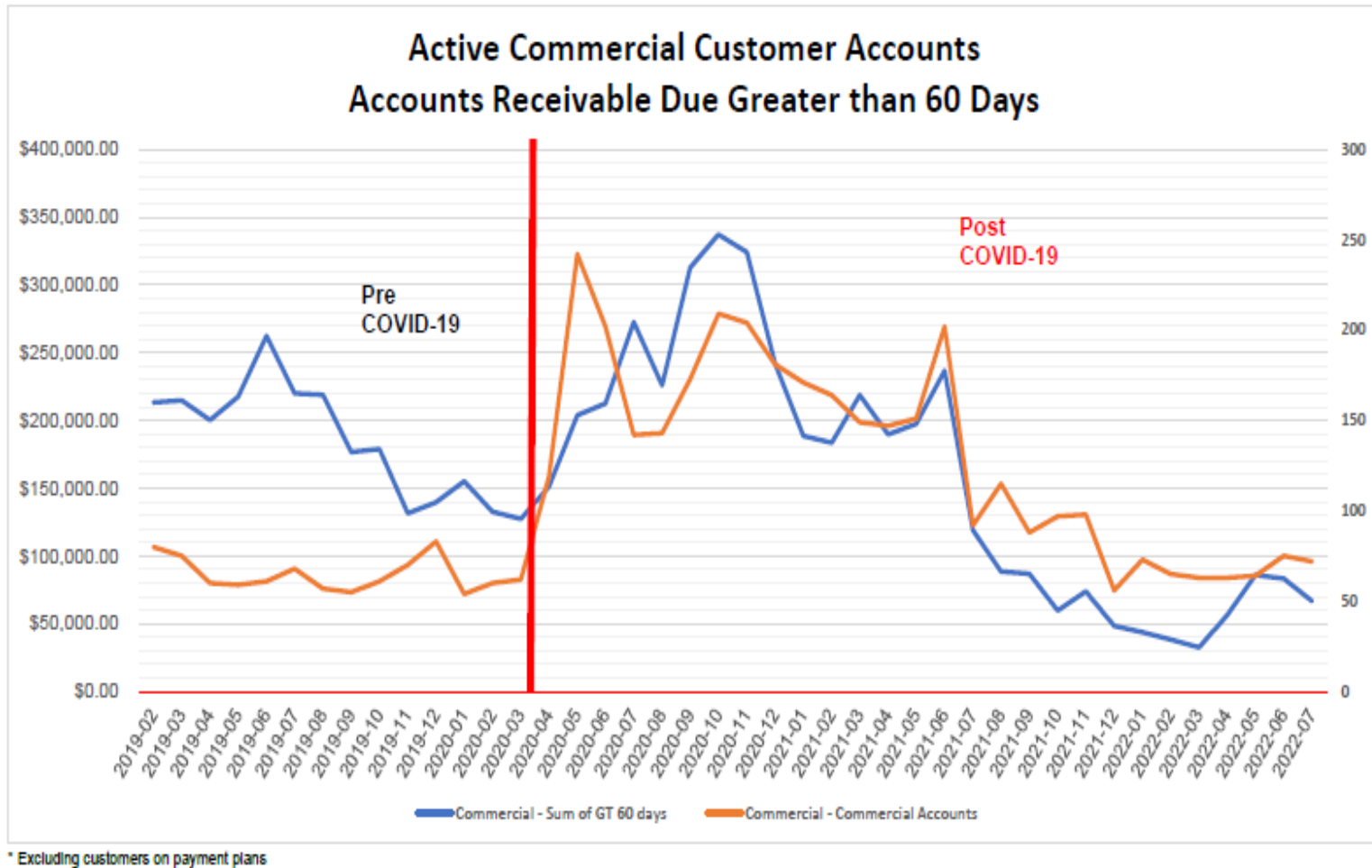
Accounts Receivables – Active Residential Customers (through July 2022)



\* Excluding customers on payment plans



Accounts Receivables – Active Commercial Customers (through July 2022)





# GWA Financial Overview

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JULY 2022





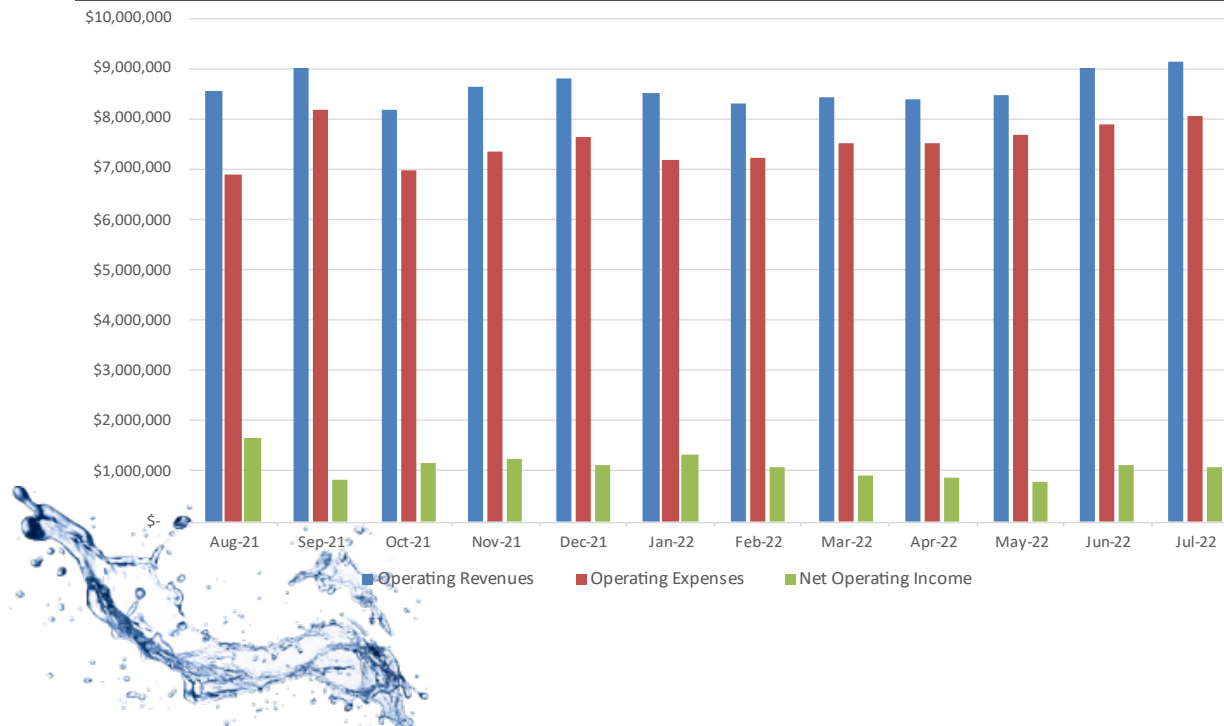
## Key Financial Indicators

Indicator	Target	May-22	Jun-22	Jul-22
DSC YTD				
• Per Section 6.12 of Indenture	1.25	1.25	1.26	1.29
• Per PUC / CCU	1.40	1.25	1.26	1.29
Days - Cash on Hand	120 days	262 days	276 days	275 days
Collection Ratio				
• Month to Date	99%	94%	109%	82%
• Year to Date	99%	97%	98%	97%
Days Billed	30 days	29 days	30 days	32 days
Account Receivable Days	30 days	40 days	39 days	41 days
Account Payable Days	45 days	35 days	30 days	32 days
Employee Count	400 FTE	361 FTE	361 FTE	360 FTE
Water Demand				
• Month to Date	478,754	433,696	442,382	461,729
• Year to Date	4,787,542	3,499,841	3,942,223	4,403,952
Wastewater Flow				
• Month to Date	356,472	323,197	311,387	330,255
• Year to Date	3,564,723	2,554,170	2,865,557	3,195,014
Water Customers	42,839	43,320	43,281	43,420
Wastewater Customers	29,805	31,157	30,552	30,745





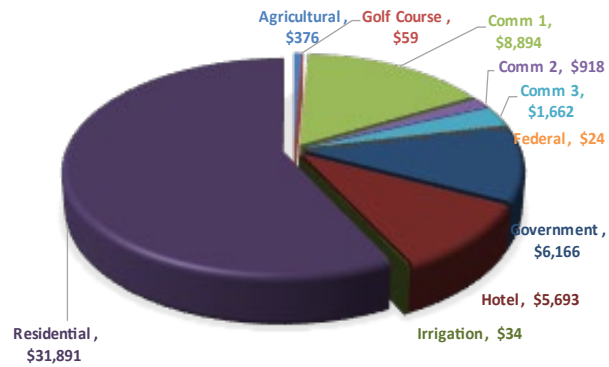
## Income Statement



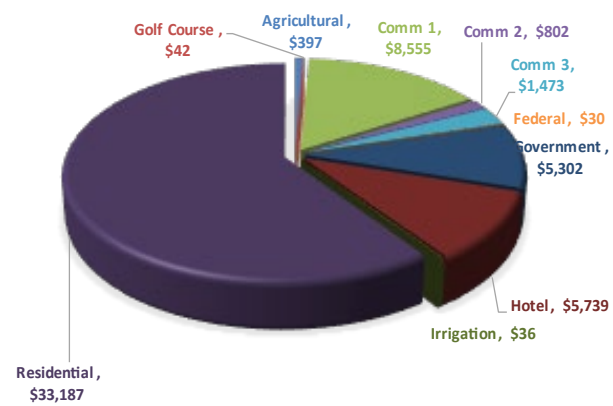


## JULY 2022 YTD Water Revenue by Rate Class

FISCAL YEAR 2022 (in '000)

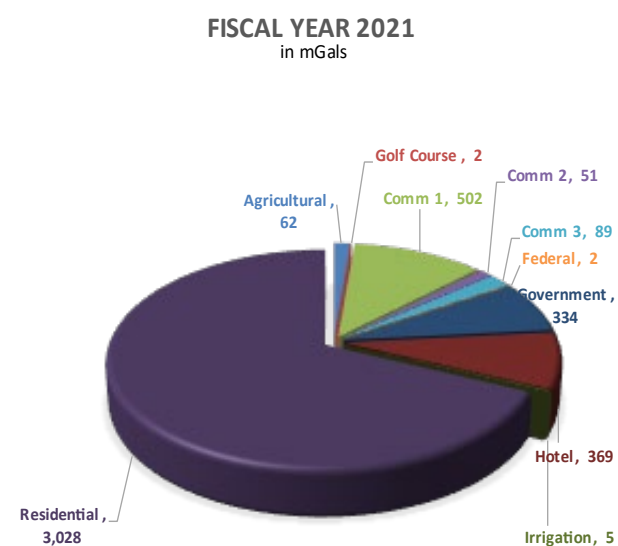
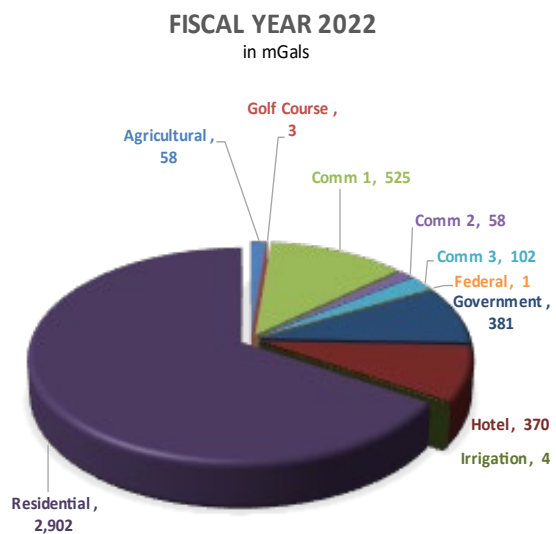


FISCAL YEAR 2021 (in '000)





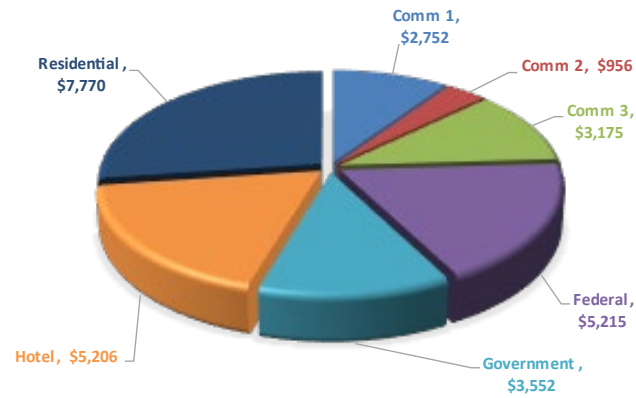
## JULY 2022 YTD Demand



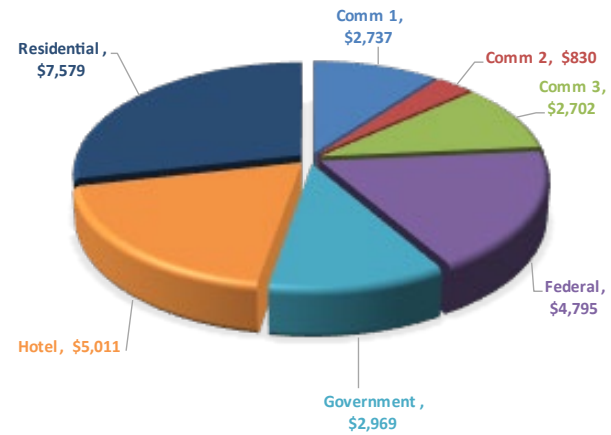


## JULY 2022 YTD Waste Water Revenue by Rate Class

FISCAL YEAR 2022 (in '000)

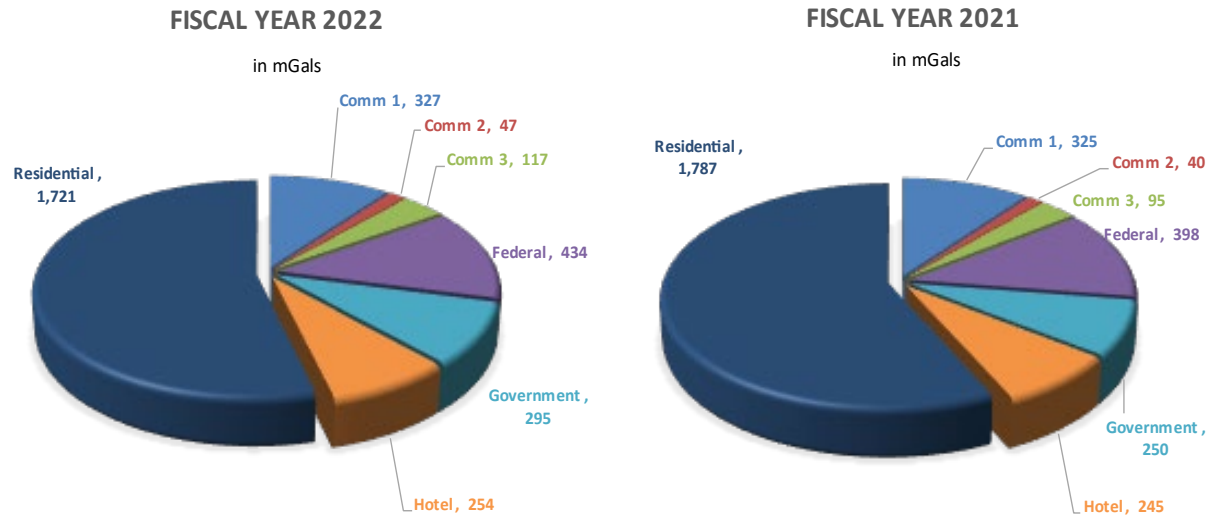


FISCAL YEAR 2021 (in '000)





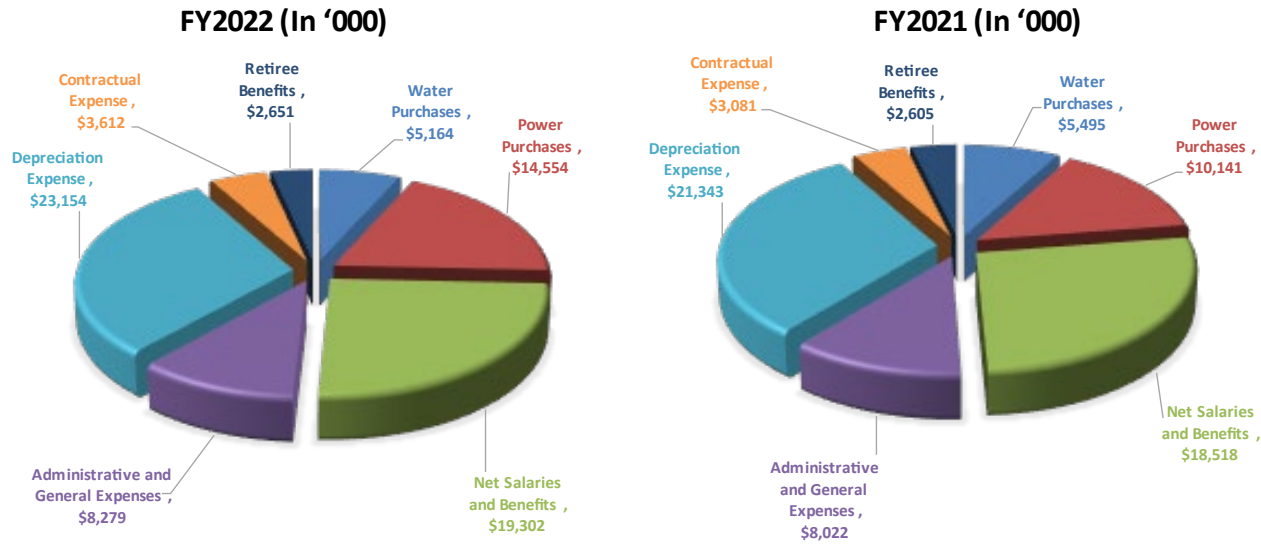
## JULY 2022 YTD Flow





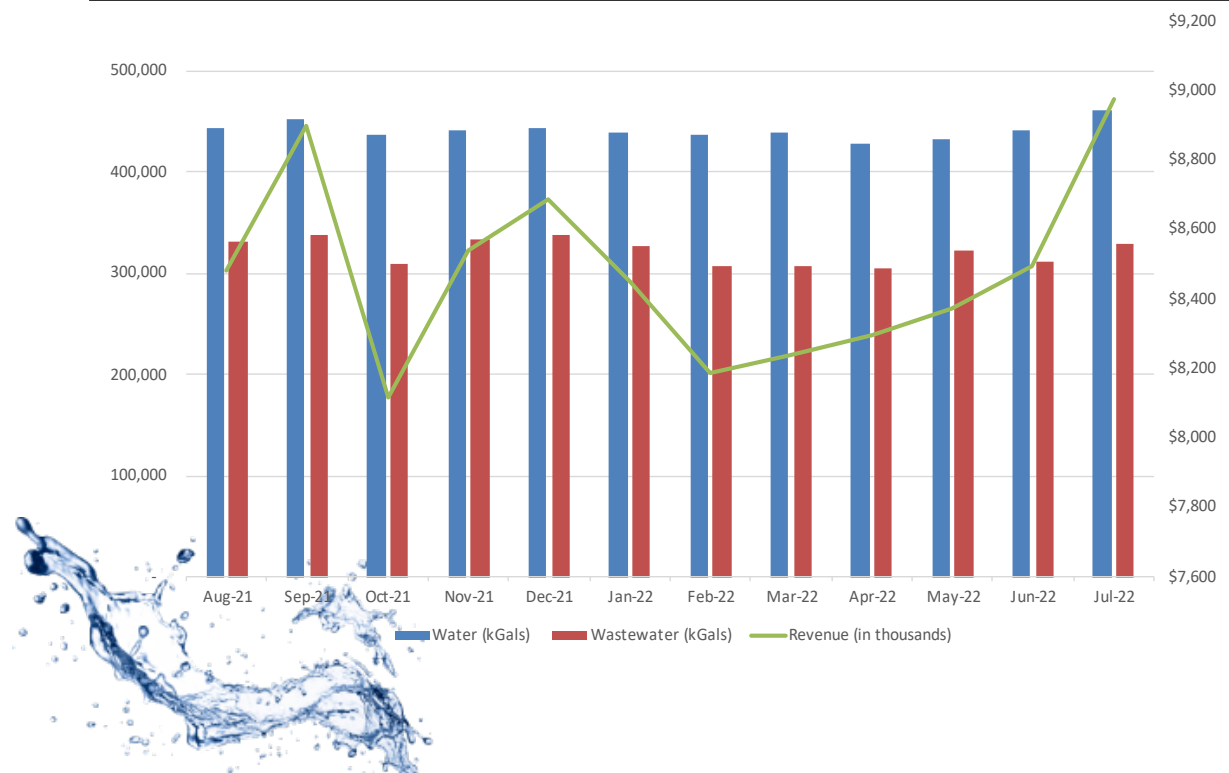


## JULY 2022 YTD Expenses by Categories





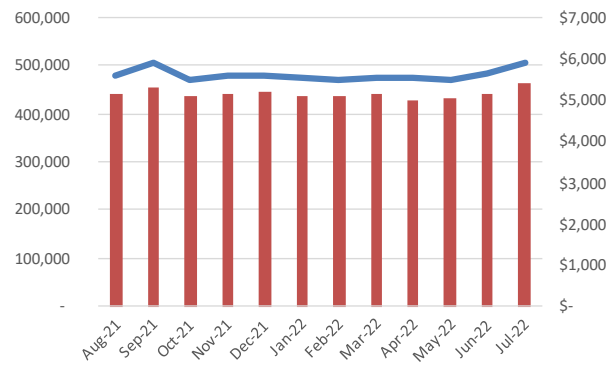
## Overall Revenues and Demand



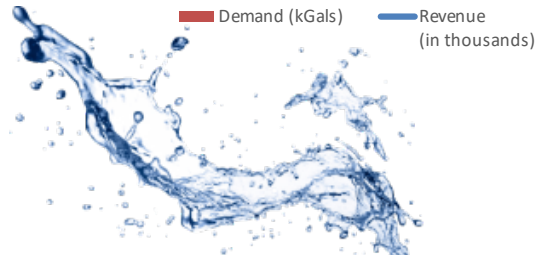
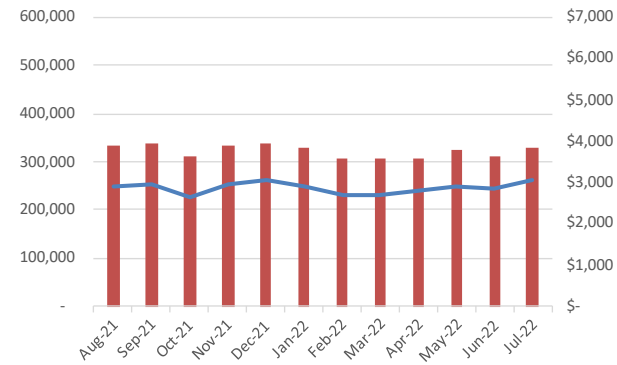


## Revenues and Demand

Water Revenue and Demand

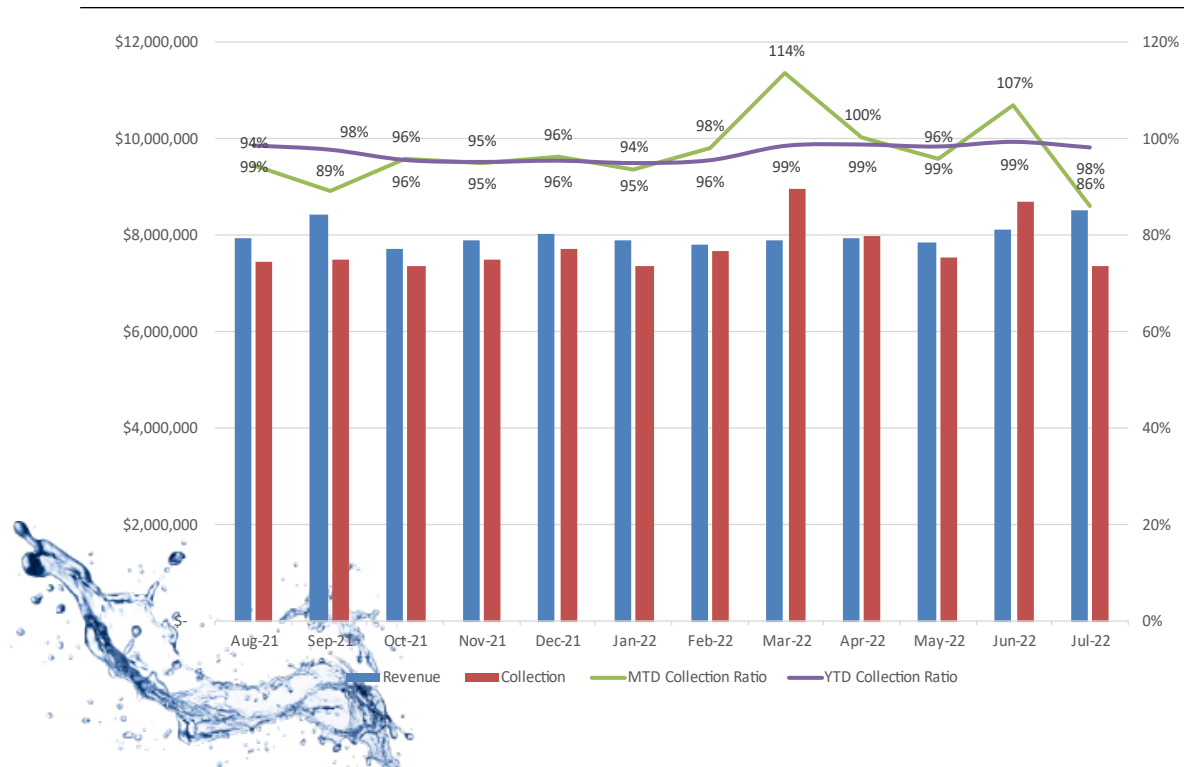


Wastewater Revenue and Flow





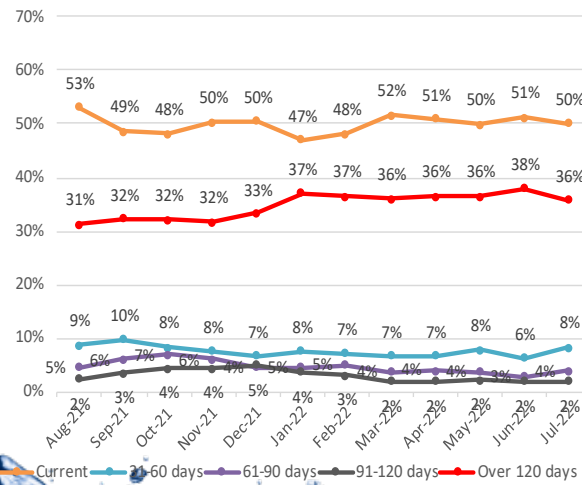
## Overall Revenues and Collections



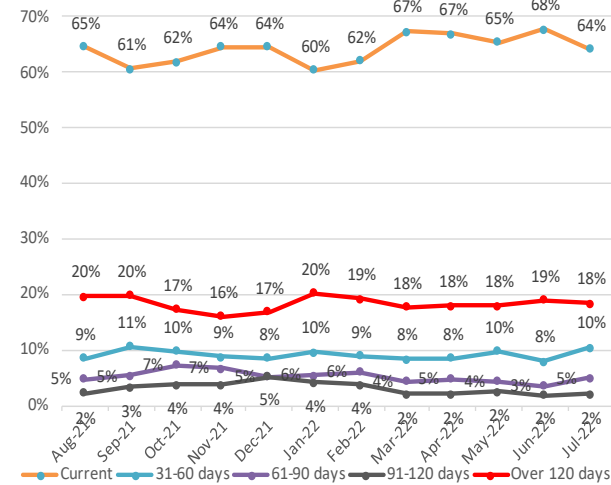


## Overall – AR Aging

% of Aged AR Balance to Total AR Balance

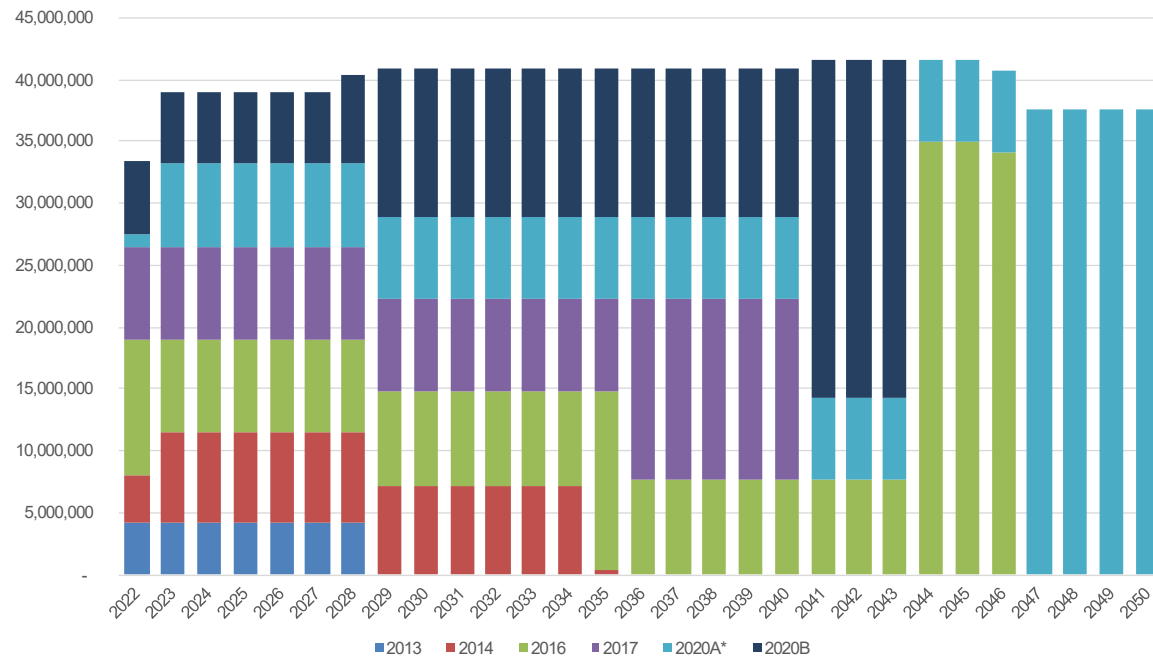


% of Aged AR Balance to Total AR Balance  
(without Inactive Accounts)





## GWA Outstanding Debt Service



**GWA Utility Services Division**  
**Monthly Status Report**  
**Month ending JULY 2022**

FY2022		WEEK ENDING: 07/09/22	WEEK ENDING: 07/16/22	WEEK ENDING: 07/23/22	WEEK ENDING: 07/30/22	JULY 2022 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2022	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES								WEEKLY AVERAGE JUN 2022	JUN 2022 MONTHLY TOTAL
<b>Collections Activities:</b>									
I.	Number of accounts cut for nonpayment:	49	54	37	78	218	55	70	279
II.	Number of accounts restored for nonpayment:	50	54	31	72	207	52	54	216
III.	Number of No water reports responded to:	5	5	3	2	15	4	3	10
IV.	Number of Secure/Unsecure valve reports responded to:	17	10	8	16	51	13	6	25
V.	Number of Verify reads responded to:	0	5	6	12	23	6	3	10
VI.	Number of new pay plans negotiated for active accounts:	106	112	68	101	387	97	102	406
VII.	Number of active pay plans negotiated and ongoing:	359	388	384	386		379	420	
VIII.	Number of inactive accounts with a payment arrangement:	6	6	6	6		6	6	
IX.	Number of broken payment plans:	98	36	51	43	228	57	43	170
<b>Customer Service Activities (lobby visits):</b>									
<b>A. GBN Public Service Building – Fadian</b>									
i.	Total Customers Assisted:	156	194	125	234	709	177	185	739
ii.	Total Abandoned Requests:	5	7	4	12	28	7	6	23
iii.	Average Wait Time:	4 minutes	6 minutes	8 minutes	9 minutes		6.75 minutes	6.25 minutes	
iv.	Average Service Time:	11 minutes	13 minutes	11 minutes	12 minutes		11.75 minutes	11.5 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	49	54	33	70	206	52	53	212
2.	Restore water cut for non payment:	2	8	8	7	25	6	3	13
3.	Terminate Water:	10	13	10	23	56	14	18	72
4.	Copy of Bill:	16	33	21	21	91	23	23	91
5.	Billing Dispute:	26	38	35	56	155	39	39	156
6.	Billing Dispute follow up:	0	2	0	0	2	1	1	2
7.	General Questions & Other:	51	53	24	58	186	47	46	185
8.	Report a water leak:	0	0	0	1	1	0	1	2
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	10	14	4	7	35	9	14	57
<b>B. Julale Satellite Office – Hagatna</b>									
i.	Total Customers Assisted:	144	196	123	226	689	172	173	691
ii.	Total Abandoned Requests:	6	11	1	5	23	6	11	44
iii.	Average Wait Time:	7 minutes	7 minutes	6 minutes	7 minutes		6.75 minutes	4.25 minutes	
iv.	Average Service Time:	11 minutes	11 minutes	11 minutes	10 minutes		10.75 minutes	7.75 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	46	54	39	57	196	49	38	153
2.	Restore water cut for non payment:	6	3	0	8	17	4	6	24
3.	Terminate Water:	8	12	7	19	46	12	16	64
4.	Copy of Bill:	31	57	33	63	184	46	31	125
5.	Billing Dispute:	34	32	29	45	140	35	44	177
6.	Billing Dispute follow up:	0	0	1	1	2	1	2	6
7.	General Questions & Other:	18	32	12	20	82	21	30	120
8.	Report a water leak:	0	1	1	0	2	1	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	9	16	15	23	63	16	18	71
<b>C. Upper Tumon Satellite Office – Upper Tumon</b>									
i.	Total Customers Assisted:	225	200	184	233	842	211	227	906
ii.	Total Abandoned Requests:	5	9	11	10	35	9	6	25
iii.	Average Wait Time:	8 minutes	5 minutes	7 minutes	6 minutes		6.5 minutes	8 minutes	
iv.	Average Service Time:	9 minutes	11 minutes	10 minutes	12 minutes		10.5 minutes	11.5 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	60	56	43	66	225	56	67	268
2.	Restore water cut for non payment:	12	14	9	8	43	11	9	34
3.	Terminate Water:	24	15	18	34	91	23	23	93
4.	Copy of Bill:	38	35	37	21	131	33	36	143
5.	Billing Dispute:	58	45	45	76	224	56	60	239
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0
7.	General Questions & Other:	26	29	22	25	102	26	32	129
8.	Report a water leak:	2	0	0	0	2	1	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	12	13	14	10	49	12	11	45

**GWA Utility Services Division**  
**Monthly Status Report**  
**Month ending JULY 2022**

FY2022		WEEK ENDING: 07/09/22	WEEK ENDING: 07/16/22	WEEK ENDING: 07/23/22	WEEK ENDING: 07/30/22	JULY 2022 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2022	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES								WEEKLY AVERAGE JUN 2022	JUN 2022 MONTHLY TOTAL
<b>Customer Service Activities (Electronic):</b>									
i.	Emails Recieved:								
	1. customers@guamwaterworks.org:	138	169	125	151	583	146	110	441
	Request type (email):								
	a. Apply for water:	38	27	31	38	134	34	36	145
	b. Terminate Water:	16	27	4	16	63	16	10	40
	c. Copy of Bill:	3	6	4	1	14	4	3	12
	d. Billing Dispute & follow up:	2	13	8	4	27	7	9	35
	e. General Questions & Other:	60	82	63	80	285	71	39	155
	f. Report a water leak:	4	1	5	0	10	3	2	6
	g. Report water theft:	0	0	0	0	0	0	0	0
	h. Online services inquiry:	12	7	6	3	28	7	9	36
	2. gwaservesme@guamwaterworks.org	3	6	4	9	22	6	4	17
ii.	Emails Replied (both):	97	137	72	199	505	126	111	443
iii.	Online Portal:								
	Request type (online portal):								
	a. Start Service:	1	0	1	1	3	1	1	3
	b. Stop Service:	0	0	2	1	3	1	1	3
	c. Payment Plan:	1	5	1	2	9	2	2	9
	d. Customer Information Updates:	0	1	0	0	1	0	0	1
	e. Service Investigations:	0	0	0	0	0	0	0	0
	f. Account Inquiries:	2	5	3	4	14	4	4	15
	g. Technical Support:	0	0	0	0	0	0	1	2
	h. Outages & Emergencies:	0	0	0	0	0	0	0	0
<b>Call Center Activities:</b>									
i.	Calls Recieved:	1169	1339	897	1442	4847	1212	1274	5096
ii.	Calls Immediately Answered:	391	478	268	486	1623	406	480	1920
iii.	Calls Abandoned:	41	66	58	58	223	56	62	249
iv.	Calls Handled by Voice mail:	708	709	602	862	2881	720	673	2692
v.	Average duration of call:	3 minutes	3 minutes	4 minutes	4 minutes		3.5 minutes	3.5 minutes	
vi.	Breakdown by request type:								
	1. Apply/Terminate info:	12	19	13	23	67	17	25	99
	2. Automated Telephone Call:	9	2	2	0	13	3	6	22
	3. Balance Inquiry:	23	35	35	45	138	35	67	269
	4. Call Back:	0	0	4	1	5	1	23	93
	5. Dispatch:	12	28	15	24	79	20	33	133
	6. Dispute:	5	12	8	13	38	10	2	6
	7. Follow-up:	8	8	7	3	26	7	32	126
	8. General Questions & Other:	47	70	62	66	245	61	102	407
	9. Route Calls to GWA Staff:	10	13	12	5	40	10	44	177
	10. No Water:	1	4	4	2	11	3	5	20
	11. Online/Phone App Help:	0	2	10	10	22	6	8	33
	12. Pay by Phone:	17	42	37	27	123	31	51	204
	13. Pay Plan:	27	27	19	31	104	26	28	112
	14. Restore Non-payment:	18	18	19	46	101	25	24	94
	15. Secure/Unsecure Valve:	6	2	3	11	22	6	7	26
	16. Voice Mail:	0	32	58	58	148	37	96	383
	17. Water leak:	2	2	1	1	6	2	5	18
<b>Bill Dispute &amp; Resolution Activities:</b>									
i.	Dispute Resolution:								
	1. Number of disputed accounts resolved:	5	6	81	75	167	42	9	36
	2. Number of disputed accounts under review:	1405	1415	1419	1427		1417	1678	
<b>Data Entry of Completed Field work in CIS:</b>									
i.	Document Control:								
	1. Number of field activities posted:	8	13	27	0	48	12	13	50
	2. Number of field activities pending:	0	0	0	0	0	0	0	0
<b>Field Response Activities:</b>									
I.	Number of field activities assigned:	260	291	136	278	965	241	266	1064
II.	Number of field activities completed:	265	305	246	231	1047	262	257	1028
III.	Number of field activities pending field action:	26	41	3	7	77	19	6	23



GWA Work Session - August 16, 2022 - GM REPORT

GWA Utility Services Division  
 Monthly Status Report  
 Month ending JULY 2022

FY2022		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	JULY 2022 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2022	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		07/09/22	07/16/22	07/23/22	07/30/22			WEEKLY AVERAGE JUN 2022	JUN 2022 MONTHLY TOTAL
<b>Meter Reading Activities:</b>									
I.	Number of meters read:								
A.	Electronically Read Meters:	7935	14644	9908	7842	40329	10082	9043	36170
B.	Manually Read Meters:	35	60	32	43	170	43	35	138
i.	Unread meters (Meters scheduled but not read):	1	8	2	6	17	4	5	19
ii.	Number of data logs received:	14	22	12	40	88	22	26	102
iii.	Number of data logs retrieved:	16	18	4	48	86	22	27	106
iv.	Number of data logs pending field action:	0	0	0	0	0	0	0	0
v.	Communication Errors/Reprogramming requests:	1	0	0	2	3	1	1	3
vi.	Number of estimated readings (for the week):	194	334	42	529	1099	275	182	726
vii.	Reasons for Estimations:								
1.	Cant locate meter:	0	2	1	2	5	1	0	1
2.	Temporary Obstruction:	0	0	0	0	0	0	0	0
3.	Vicious Dog:	0	0	0	0	0	0	0	0
4.	Flooded meter:	0	0	0	0	0	0	0	1
5.	Corrective action to database requested:	2	4	5	2	13	3	3	10
6.	Possible changed out meter:	2	2	0	0	4	1	3	12
7.	Communication/Programming error (code 92's):	4	8	2	0	14	4	2	8
8.	Other:								
a.	Leaks detected on customer's line:	1133	2420	1551	1005	6109	1527	1392	5569
b.	Reverse Flow Detected:	181	303	29	509	1022	256	165	658
c.	No Usage Detected:	271	432	304	329	1336	334	277	1107
d.	Tamper Code:	4	3	1	4	12	3	3	11
C.	Electronic Read Percentage:	99.56%	99.59%	99.68%	99.45%		99.6%	99.4%	
<b>Illegal Connection &amp; Unauthorized Use of Water Activities:</b>									
I.	Number of Inactive Still Consuming Reports rec'd & investigated:	2	2	0	0	4	1	0	0
II.	Number of Illegal Connection reports rec'd & investigated:	4	2	1	1	8	2	1	3



## **Engineering Monthly Report August 2022**

**Prepared By:**

**Barbara C. Cruz, P.E.  
Acting Chief Engineer**

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**A. Summary Table of 2010, 2013, 2016 and 2020 Bonds****Potable Water**

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
PW 05-01	Ground Water Disinfection	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ -	N/A	N/A	\$ -	N/A	N/A
PW-05-05	"A Series Well Transmission Line	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	\$ -	N/A	N/A	\$ 700,000.00	33.29%	66.71%
PW 05-07	Meter Replacement Program	\$ 1,400,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-08	Barrigada Tank Repair/Replacement	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-09	Leak Detection	\$ 100,000.00	0.00%	100.00%	\$ 400,000.00	0.00%	100.00%
PW 05-10	Potable Water System Planning	\$ 876,294.00	99.99%	0.01%	\$ 400,000.00	0.00%	100.00%
PW 05-11	Implement Ground Water Rule	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	\$ 250,000.00	44.01%	55.99%	\$ 350,000.00	0.00%	100.00%
PW 05-14	New Deep Wells at Down Hard	\$ 1,190,000.00	0.00%	100.00%	\$ 500,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	\$ -	N/A	N/A	\$ 550,000.00	0.00%	100.00%
PW 05-16	Master Meters	\$ 2,151,539.00	90.70%	9.30%	\$ -	N/A	N/A
PW 09-01	Ugum Water Treatment Plant Intake	\$ -	N/A	N/A	\$ 600,000.00	0.00%	100.00%
PW 09-02	Water Wells	\$ 2,500,000.00	6.80%	93.20%	\$ 500,000.00	0.00%	100.00%
PW 09-03	Water Distribution System	\$ -	N/A	N/A	\$ 2,250,000.00	100.00%	0.00%
PW 09-04	Pressure Zone Realignment	\$ 1,141,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-06	Central Water Distribution System 2005	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-09	Water Reservoir Internal/External	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	\$ 800,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 58,830,170.00	99.86%	0.14%	\$ 25,900,000.00	0.76%	99.24%
PW 11-01	Distribution System Upgrades	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -	N/A	N/A	\$ 7,500,000.00	0.00%	100.00%
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 550,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-02	Production Plan / Reduce Navy Purchases	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	\$ 1,220,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo#1	\$ 1,822,133.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-06	Tank Replacement Piti & Hyundai	\$ 7,300,000.00	100.00%	0.00%	\$ 6,500,000.00	0.00%	100.00%
PW 12-07	Assessment of Maloqloj Elevated & Yigo Elevated	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	\$ 1,200,000.00	100.00%	0.00%	\$ -	N/A	N/A
MP-PW-Pipe-01	Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-03	Harmon Cliffline Piping to Route 1				\$ -	N/A	N/A
MP-PW-Pipe-04	Hyundai Well Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-05	Kaiser Zone Looping				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-07	Mataguac BPS Suction Piping				\$ 500,000.00	3.40%	96.60%
MP-PW-Pipe-08	Nimitz Lower BPS Piping				\$ -	N/A	N/A
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment				\$ -	N/A	N/A
MP-PW-Pipe-10	Miscellaneous Piping Projects				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-11	Miscellaneous Piping Connections				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-12	Rehabilitation and Replacement Program				\$ 2,000,000.00	41.44%	58.56%
MP-PW-Pipe-13	2-Inch Pipe Replacement Program				\$ 3,330,000.00	0.00%	100.00%
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program				\$ -	N/A	N/A
MP-PW-Pipe-15	PRV Rehab and Replacement				\$ 2,050,000.00	0.00%	100.00%
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program				\$ 250,000.00	0.00%	100.00%
MP-PW-Pipe-17	Cross Island Highway Piping				\$ 100,000.00	0.00%	100.00%
MP-PW-Tank-22	Existing Tank Inspections				\$ 150,000.00	0.00%	100.00%
MP-PW-Tank-23	Recurring Tank Inspections				\$ 400,000.00	0.00%	100.00%
MP-PW-BPS-01	Rehabilitate and Replace BPSs				\$ 409,000.00	0.00%	100.00%
MP-PW-BPS-02	Nimitz Hill Upper BPS				\$ 48,000.00	0.00%	100.00%
MP-PW-BPS-03	Route 15 BPS				\$ -	N/A	N/A
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project				\$ 380,000.00	0.00%	100.00%
MP-PW-SWTP-02	Ugum SWTP Intake Modifications				\$ 1,174,000.00	0.00%	100.00%
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements				\$ 1,150,000.00	22.84%	77.16%
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project				\$ -	N/A	N/A
MP-PW-Well-01	Well Rehabilitation Program				\$ 3,600,000.00	0.00%	100.00%
MP-PW-Well-02	Well Equipment Overhaul Program				\$ -	N/A	N/A
MP-PW-Well-03	Capacity Enhancement – Well Exploration Program				\$ 500,000.00	0.00%	100.00%
MP-PW-Well-04	Capacity Enhancement – Well Development and Construction				\$ -	N/A	N/A
MP-PW-Well-05	Wellhead Protection Program				\$ 300,000.00	0.00%	100.00%
MP-PW-Well-06	Well Repair Program				\$ 1,200,000.00	0.00%	100.00%
MP-PW-Misc-01	South Guam Water Supply Study				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement				\$ 750,000.00	85.59%	14.41%
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance				\$ -	N/A	N/A
MP-PW-Misc-04	OneGuam Program				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-05	Leak Detection Assistance				\$ 150,000.00	0.00%	100.00%
DoD-3	Rehabilitation and New NGLA Monitoring Wells				\$ -	N/A	N/A
		\$ 81,331,136.00			\$ 66,291,000.00		

## Wastewater

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
WW 05-04	Wastewater System Planning	\$ 312,983.00	100.00%	0.00%	\$ 150,000.00	56.32%	43.68%
WW 05-05	Wastewater Vehicles	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ 1,714,755.00	70.04%	29.96%	\$ 1,050,000.00	9.21%	90.79%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,055,478.00	43.06%	56.94%	\$ 1,400,000.00	0.00%	100.00%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	\$ 25,048,522.50	88.62%	11.38%	\$ -	N/A	N/A
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 252,105.00	89.65%	10.35%	\$ -	N/A	N/A
WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,226,659.06	77.75%	22.25%	\$ -	N/A	N/A
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-07	Umatac Merizo Replacement	\$ 20,952,871.63	99.87%	0.13%	\$ -	N/A	N/A
WW 12-08	Wastewater System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-09	Wastewater Facility Back Up Power	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-10	Wastewater System Asset Inventory	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-01	Wastewater Sewer System Expansion	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-02	Northern District WWTP Secondary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program				\$ 1,970,000.00	0.00%	100.00%
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement				\$ -	N/A	N/A
MP-WW-Pipe-03	Route 1 Piti Pipe Rehabilitation/Replacement				\$ 940,000.00	0.00%	100.00%
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement				\$ 657,000.00	0.00%	100.00%
MP-WW-Pipe-05	Agana Heights Pipe Replacement				\$ -	N/A	N/A
MP-WW-Pipe-06	Northern District Route 1 Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-10	North Dededo Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-11	Route 16 Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-12	Barrigada Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-13	Mangilao Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-14	Dededo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-16	Yigo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-17	Mamajanao Capacity Replacement				\$ 814,000.00	0.00%	100.00%
MP-WW-Pipe-18	Agat-Santa Rita Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-19	Agat-Santa Rita Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-20	Agat-Santa Rita Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-21	Baza Gardens Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-22	Baza Gardens Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-23	Baza Gardens Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-24	Umatac-Merizo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-25	Piping Near Bayside Lift Station				\$ -	N/A	N/A
MP-WW-Pipe-26	Finite Drive Rehabilitation - Agat				\$ 813,000.00	0.00%	100.00%
MP-WW-Pipe-27	Septic/Cesspool System Reduction Program				\$ 350,000.00	0.00%	100.00%
MP-WW-MH-01	Manhole Rehabilitation Program				\$ 350,000.00	0.00%	100.00%
MP-WW-FM-01	Force Main Rehabilitation/Replacement Program				\$ 100,000.00	0.00%	100.00%
MP-WW-FM-02	Replace Yigo Lift Station Force Main				\$ 200,000.00	0.00%	100.00%
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement				\$ 2,124,000.00	0.00%	100.00%
MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement				\$ 6,600,000.00	0.00%	100.00%
MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program				\$ 8,320,000.00	11.16%	88.84%
MP-WW-Pump-02	Turnon Basin - Fujita Lift Station Analysis				\$ 9,600,000.00	0.00%	100.00%
MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)				\$ 1,301,000.00	0.00%	100.00%
MP-WW-WWTP-01	Hagåtña WWTP Primary Treatment Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade				\$ -	N/A	N/A
MP-WW-WWTP-03	Inarajan WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-04	Pago Socio WWTP Pump Station Conversion				\$ -	N/A	N/A
MP-WW-WWTP-05	Umatac-Merizo WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-06	Agat-Santa Rita WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-07	Baza Gardens Cross Island Pipeline - Preliminary Treatment Equipment Repair and Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-08	Northern District WWTP Completion				\$ 7,500,000.00	62.50%	37.50%
MP-WW-WWTP-09	Ocean Outfall Inspection Program				\$ 100,000.00	0.00%	100.00%
MP-WW-Misc-01A	Update Wastewater Collection System Model (Major Update)				\$ -	N/A	N/A
MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-02	I/I and SSES Assessments				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-03	Miscellaneous Wastewater Improvements				\$ 500,000.00	0.00%	100.00%
MP-WW-Misc-04	Fats, Oils, and Grease Study				\$ 50,000.00	0.00%	100.00%
DoD-01	NDWWTP Secondary Treatment Capacity 12MGD				\$ -	N/A	N/A
DoD-02	Northern Systems Wastewater System				\$ -	N/A	N/A
		\$ 51,563,374.19			\$ 44,989,000.00		

## Electrical Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
EE 05-02	SCADA Pilot Project	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-01	Wastewater Pumping Station Electrical Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-02	Electrical Upgrade - Water Wells	\$ -	N/A	N/A	\$ -	0.00%	0.00%
EE 09-03	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-04	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ 150,000.00	0.00%	100.00%
EE 09-05	Electrical Upgrade - Other Water	\$ -	N/A	N/A	\$ 100,000.00	0.00%	100.00%
EE 09-06	SCADA Improvements - Phase 1	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-07	SCADA Improvements - Phase 2	\$ -	N/A	N/A	\$ 45,000.00	0.00%	100.00%
EE 09-08	SCADA Improvements - Phase 3	\$ 1,077,497.00	74.43%	25.57%	\$ 25,000.00	0.00%	100.00%
EE 09-09	SCADA Improvements - Phase 4	\$ 4,378,118.00	75.19%	24.81%	\$ -	N/A	N/A
MP-Gen-EE-01	SCADA Implementation Phase A2 – Initial Project Completion				\$ 4,250,000.00	0.00%	100.00%
MP-Gen-EE-02	SCADA Implementation Phase B – Additional Sites				\$ -	N/A	N/A
MP-Gen-EE-03	SCADA Implementation Phase C – Additional Instruments				\$ -	N/A	N/A
MP-Gen-EE-04	SCADA System Improvement Program				\$ -	N/A	N/A
		\$ 5,455,615.00			\$ 4,570,000.00		

## Miscellaneous Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
MC 05-01	Laboratory Modernization	\$ 1,127,000.00	100.00%	0.00%	\$ -	N/A	N/A
MC 05-02	Land Survey	\$ 1,260,524.00	96.74%	3.26%	\$ -	N/A	N/A
MC 09-01	General Plant Improvements	\$ 1,543,760.00	70.05%	29.95%	\$ -	N/A	N/A
MC 15-01	Information Technology Intergration Improvements	\$ 664,412.00	78.85%	21.15%	\$ -	N/A	N/A
MP-Gen-Misc-01	GWA Systems Planning				\$ 550,000.00	99.12%	0.88%
MP-Gen-Misc-02A	WRMP Update (Comprehensive Update)				\$ -	N/A	N/A
MP-Gen-Misc-02B	WRMP Update (Interim Update)				\$ 200,000.00	0.00%	100.00%
MP-Gen-Misc-03	Surveying and Property Delineation				\$ 250,000.00	0.00%	100.00%
MP-Gen-Misc-04	Information Technology Improvements				\$ 1,650,000.00	88.47%	11.53%
MP-Gen-Misc-05	GWA Infrastructure Improvements				\$ 2,500,000.00	4.59%	95.41%
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility				\$ 500,000.00	0.00%	100.00%
MP-Gen-Misc-07	Mobile Equipment Replacement Program				\$ 800,000.00	0.00%	100.00%
MP-Gen-Misc-08	General Plant Improvements				\$ 1,000,000.00	0.00%	100.00%
MP-Gen-Misc-09	Security and Resilience Program				\$ 200,000.00	0.00%	100.00%
		\$ 4,595,696.00			\$ 7,650,000.00		

	2016 Bond Allotment	2020 Bond Allotment
CIP Water	\$ 81,331,136	\$ 66,291,000
CIP Wastewater	\$ 51,563,374	\$ 44,989,000
CIP Electrical	\$ 5,455,615	\$ 4,570,000
CIP Miscellaneous	\$ 4,595,696	\$ 7,650,000
	<b>\$ 142,945,821</b>	<b>\$ 123,500,000</b>

Bond Fund	Construction Fund Amount (\$M)	Estimated # of months fund available for use	Total Funds encumbered to date (\$M)**	% of fund used	Rate of Spending: (\$M) per year
2005	\$82.930	82	\$82.930	100.00%	12.14
2010	\$87.656	136**	\$94.689	96.61%	7.47
2013	\$140.819	98**	\$138.808	98.57%	17.00
2016	\$142.946	68**	\$132.385	92.61%	23.36
2020	\$123.590	23**	\$12.349	9.99%	6.44

\* End date November 2013 via CCU Resolution 06-FY2014

\*\* Includes the month of July 2022

\*\*\* Includes Expenses Only

**B. Projects Procurement**Percentage Key:

100%	Approved by GM
99%	Signature required from either Accounting/Legal/GM
98%	Processing engineering service or construction contract (with legal)
95%	Request for CCU approval (GM/engineering)
90%	A/E fee negotiation or contractor bid evaluation (engineering)
80%	Selected A/E or Conducted bid opening (engineering)
70%	Advertised RFP/IFB (engineering)
60%	RFP/IFB Package under legal review
50%	RFP/IFB Package completed (engineering)
Less than 50%	Project Scope of work development in progress

- Red text anywhere indicates a change from the last report.

BOX KEY FOR PROCUREMENT:		
<b>(Type of Procurement)</b> (Relevant CIP NO. or Funding Source)	<b>(Project Title)</b>	
(Percentage complete for procurement)	<b>Activities/Notes:</b> (see percentage key above)	<b>Consultant</b> (listed when selected)
Project Description	Summary of project description	

<b><u>BID PACKAGE</u></b> PW 09-02	<b>New Well Construction (AG-10-Y-8 &amp; AG-12)</b>	
	<b>Activities/Notes:</b> GWA engineering continuing discussion with Dept. of Agriculture and lessee on options of acquisition of property for well site at AG-12. Internal GWA discussions underway for survey and appraisal services. GWA executed Change Order with GHD to update the design plans specific to the new well locations.	
Project Description:	The project is to construct three new production wells for GWA as well as installation of a water main to connect the new production wells to the Ysengsong Reservoirs.	

<b>RFP</b> PW 09-02	<b>New Well Construction (Construction Management)</b>	
	<b>Activities/Notes:</b> SOW being developed	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of up to three (3) new production wells for GWA. GWA plans to increase source water production to improve system redundancy that allows for operating the water production wells more effectively. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

<b>RFP</b> S20-003-EPA USEPA	<b>Fujita Wastewater Pump Station Redundant Force Main</b>	
	<b>Activities/Notes:</b> AECOM submitted final proposal (04/29/2022), and sent to USEPA (05/03) for review and approval; USEPA approved (05/20).  Request for Approval submitted and GM approved (05/23).  Formal contract sent to AECOM (06/06); AECOM returned signed contract (06/10).  Formal contract signed by Legal (06/13); submitted to Finance for review and signature (06/13)  Once approved by Finance/GM, we forward NTP to AECOM and schedule project kickoff.	
Project Description:	The work to be performed under this project procurement shall consist of identifying redundant force main options and provide the design for the selected option. After the redundant force main is placed in operation, investigate the condition of the original 14-inch force main to determine if repair, relocation, or replacement is needed in order to ensure force main redundancy. Identify options and provide the design for the selected option, including potential use of CIPP and if necessary, pump station upgrades.	

<b>BID PACKAGE</b> EE 09-02, EE 09-05 MP-PW-WELL-06	<b>Deep Well Power Line Conditioner Pilot Project</b>	
	<b>Activities/Notes:</b> Project Engineer submitted a draft of the design-build bid.  Drawings and specifications revised.	



Project Description:	The project is a pilot project to install and evaluate the effectiveness of a power line conditioner for providing "clean" incoming power for a GWA deep well. Evaluation includes transient and surge protection and suppression, under/over voltage correction and protection, phase imbalance correction and protection, and capital and operation costs/savings.
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<b><u>BID PACKAGE</u></b> E22-01-BND	<b>Current Balancing Unit for Deep Well A-09</b>	
	<b>Activities/Notes:</b> Project Engineer prepared a draft of the plans and specifications.  Draft solicitation document was submitted for review.	
Project Description:	The project is a pilot project to install and evaluate the effectiveness of a Current Balancing Unit (CBU) for a GWA deep well. Current imbalances on the power supply to a 3-phase electric motor can cause the motor to overheat and shorten its life expectancy. The wells are operated by 3-phase electric motors. The CBU is designed to adjust and balance the voltages which in turn will balance the currents to less than 3%, and therefore reduce current imbalances and prevent motor overheating. There are other factors that can cause motor overheating but current imbalance is a condition that can happen frequently.	

<b><u>BID PACKAGE</u></b> USEPA-SRF	<b>Groundwater Wells A-02, A-07, A-12, D-05 and F-03 Rehabilitation (Re-Bid)</b>	
	<b>Activities/Notes:</b> GWA submitted comments on the FINAL design specification to Designer on 05/17/2022. Designer provided the updated design specifications to GWA on 7/20.  Designer is in the process of finalizing the bid documents to be advertised.	
Project Description:	Work to be performed under this project consists of rehabilitating four (4) existing production well sites including development, testing and permitting of a new production well.	

<b><u>RFP-01-ENG-2022</u></b> GWA Bond	<b>Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for Undersized Waterline Replacement</b>	
	<b>Activities/Notes:</b> Bid Proposal Packages opened on 05/25/2022 at 10:00 AM.  Scores were reviewed and tallied. Evaluation Summary signed by the Acting Chief Engineer on 07/26.	

	<p>GM Determination signed by the GM on 07/29.</p> <p>Notification Letters are currently being prepared for the Selected and Unselected Firms.</p>	
Project Description:	<p>The work to be performed under this project procurement shall consist of the replacement of 2" diameter potable waterlines throughout the island. This ID/IQ will focus on sites which requires removal of old 2" 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.</p>	
<b><u>RFP-02-ENG-2022</u></b> GWA Bond	<b>Construction Management Services for Brigade II Booster Pump Station</b>	
	<p><b>Activities/Notes:</b>            Bid Proposal Packages opened on 05/25/2022 at 10:00 AM.</p> <p>Scores were reviewed and tallied. Evaluation Summary signed by the Acting Chief Engineer on 08/03.</p> <p>GM Determination signed by the GM on 08/05.</p> <p>Notification Letters are currently being prepared for the Selected and Unselected Firms.</p>	
Project Description:	<p>The work to be performed under this project procurement shall consist of providing CM services for water system improvements including construction of a new booster station, to include new building structure, pump system, electrical system, piping, instrumentation, SCADA, and general site upgrades; off-site improvements, to include new pressure reducing valves, piping, valves, and vaults; demolition of existing facilities, including yard piping, vaults, and appurtenances; and commissioning of the Brigade II BPS system which includes the booster station and SCADA.</p>	
<b><u>RFP-03-ENG-2022</u></b> GWA Bond	<b>Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for Waterline Replacement and Upgrades</b>	
	<p><b>Activities/Notes:</b>            Bid Proposal Packages opened on 05/25/2022 at 10:00 AM.</p> <p>Scores were reviewed and tallied. Evaluation Summary signed by the Acting Chief Engineer on 08/03.</p> <p>GM Determination signed by the GM on 08/05.</p>	

Project Description:	The work to be performed under this project procurement shall consist of preparation of Plans, Specifications, and Cost Estimate Development. Develop design for 2" waterline distribution improvements and replacement. This ID/IQ will focus on sites which requires removal of old pipeline and installation of new appropriately sized waterline around the island.	
<b><u>RFP-04-ENG-2022</u></b> GWA Bond	<b>Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for Asbestos Concrete Pipes (ACP) Waterline Replacement</b>	
	<b>Activities/Notes:</b> Bid Proposal Packages opened on 05/25/2022 at 10:00 AM.  Scores were reviewed and tallied. Evaluation Summary signed by the Acting Chief Engineer on 08/03.  GM Determination signed by the GM on 08/05.	
Project Description:	The work to be performed under this project procurement shall consist of design and construction management services for the replacement of asbestos cement waterlines throughout the island. The work includes preparation of Plans, Specifications, and Cost Estimate Development. Develop design for 2" waterline distribution improvements and replacement.	
<b><u>RFP-05-ENG-2022</u></b> GWA Bond	<b>Construction Management Services for Pressure Zone Realignment Construction Phase II</b>	
	<b>Activities/Notes:</b> Bid Proposal Packages opened on 05/24/2022 at 10:00 AM.  Scores were reviewed and tallied. Evaluation Summary signed by the Acting Chief Engineer on 08/03.  GM Determination signed by the GM on 08/05.	
Project Description:	The work to be performed shall consist of CM and Inspection Services on behalf of GWA for the development of the Pressure Zone Realignment Construction Phase II Project. The Construction Manager (CM) will manage the entire construction process to ensure project is completed. The CM services will be conducted in two phases: Phase I, for pre-construction activities before the issuance of the DPW building permit and Phase II, for construction, after the issuance of the DPW building permit.	

<b><u>RFP-06-ENG-2022</u></b> USEPA	<b>Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and Construction Management Services for Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement</b>	
	<b>Activities/Notes:</b> CCU approved Resolution (01/25/2022) to petition PUC for procurement.  PUC approved petition (01/27) for GWA to go ahead with procurement of IDIQ PM/CM.  Met with the Legal Counsel (02/15) to discuss DB and options.  Draft RFP submitted for procurement review on 03/02; Engineering sent to Legal Counsel for review, and waiting on comments. Following up with Legal on status of RFP review.  Expected to advertise by <b>08/2022</b> .	
Project Description:	The work to be performed under this project procurement shall consist of preparation of design, plans, specifications, cost estimates, and contract documents for wastewater capital projects. Firm will also manage the construction activities related to both open trench and trenchless wastewater projects, to include, but not limited to, cured-in-place-pipe (CIPP).	

<b><u>RFP-07-ENG-2022</u></b> GWA Bond	<b>Indefinite Delivery/Indefinite Quantity (ID/IQ) for Engineering Design and CM Services for the Implementation of District Metered Areas (DMA)</b>	
	<b>Activities/Notes:</b> Draft RFP package submitted to Legal Counsel for review. Updated document to incorporate is the Affidavit Disclosing Ownership, Influence, Commissions and Conflicts of Interest as required by 5 GCA § 5233 as amended by P.L. 36-13 in lieu of the Major Shareholders Disclosure Affidavit.  <b>Legal Counsel to begin the review and will provide feedback by next week as relayed during the Procurement Meeting last 08/05/2022.</b>	
Project Description:	The work to be performed under this project procurement shall consist of implementation/development of DMA's throughout the island which includes pipework, vaults, metering and necessary appurtenances; preparation of design, plans, specifications, cost estimates, contract documentation and construction management for water system improvements including waterline replacement/upgrades.	

<b><u>RFP-08-ENG-2022</u></b> GWA Bond	<b>Indefinite Delivery/Indefinite Quantity (ID/IQ) for Water and Wastewater Hydraulic Modeling Services</b>	
	<b>Activities/Notes:</b> Legal Counsel's review is complete. Garrett Yeoh is finalizing the RFP front-end documents.	
Project Description:	The work to be performed under this project procurement shall consist of providing updated model including modeling files; perform and maintain GWA's existing hydraulic modeling services for water and wastewater; calibrate; valve inventory; and conduct training workshops for GWA staff.	

<b><u>RFP-09-ENG-2022</u></b> American Rescue Plan Act	<b>Design Services for Adacao Water and Sewer Infrastructure</b>	
	<b>Activities/Notes:</b> RFP advertised on 05/27/2022; final responses received 06/30.  RFP proposals were submitted by: DCA, GHD, SSFM, E.M. Chen, EMPSCO.  Selection team reviewing RFPs; scores due 07/27.  Governor's office took \$7M of ARPA funds (out of the \$14.7M) back for a different project; Looking at additional funding sources for project, likely USEPA funds.  NEPA not required for ARPA funds, but will be required should USEPA funds needed; reviewing USEPA priority list and funding and planning ahead.  Met with CLTC (02/08) to discuss Adacao properties and path forward; sent follow-up email to CLTC (06/06) on information requested on properties and tenants; still waiting on response from CLTC.  Modeled area and downstream wastewater system to check capacity; issues with Double Trouble SPS during wet weather flow; redid proposed force main to terminate after Double Trouble SPS.	
Project Description:	The work to be performed under this project procurement shall consist of evaluating and design water main to replace existing waterline; evaluate and design new sewer system and design connections for existing customers.	

<b><u>BID PACKAGE</u></b> <b><u>RFP-10-ENG-2022</u></b>	<b>Design and CM Services for Waterline Replacement of Various Bridges</b>	
	<b>Activities/Notes:</b> RFP drafted by Josephine Smith. Ryan Diaz to prepare concise SOW on the Standard Form Agreement between Owner and Engineer for Professional Services, Page 1, and score revisions.	
Project Description:	The work to be performed under this project procurement shall consist of evaluating various bridges with water and sewer line crossing, and determine a priority list for water and sewer line replacement.	

<b><u>BID PACKAGE</u></b> <b><u>IFB-01-ENG-2022</u></b> MP-GEN-MISC-05 & IFCIP	<b>Indefinite Delivery/Indefinite Quantity (ID/IQ) for the Design and Construction of Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement</b>	
	<b>Activities/Notes:</b> CCU approved Resolution (01/25/2022) to petition PUC for procurement.  PUC approved petition (01/27/2022) for GWA to go for procurement of IDIQ DB.  Reviewing draft IFB and editing in prep to send to Legal for review.  Working on completing PM/CM RFP first to assist with DB process.	
Project Description:	The work to be performed under this project procurement will improve the sewer collection/transmission system, which includes repairing, rehabilitating and/or replacing sewer gravity lines, manholes, laterals, force mains (FM), and related appurtenances. GWA endeavors to enter into contracts to repair, rehabilitate, or replace the sewer collection/transmission system for the protection of human and environmental health, in anticipation of a consent decree with the United States Environmental Protection Agency (USEPA), and to have services in place to complete both planned upgrades and emergency repairs that because of required repair/rehabilitation methods or project scale, are best performed by a contractor over in-house maintenance resources.	

<b><u>BID PACKAGE</u></b> <b><u>IFB-02-ENG-2022</u></b> GWA Bond	<b>Aplacho Sewer Pump Station Drainage and Roadway Improvements</b>	
	<b>Activities/Notes:</b> GWA will provide extension in the opening of Bids from 08/16/2022 to 08/19/2022 at 10:00 AM.  The addendum will be uploaded to website after sign off.  Responses to RFI from responsive bidders will be uploaded to website after sign off.  From Road Resurfacing and Point Repair work shown on plans, it will be changed to Road Reconstruction from Station 27+00 to Station 30+00 due to the ongoing road deterioration.	
Project Description:	Work to be performed under this project consists of installation of subterranean drainage interceptors, perforated pipes, concrete swale, and restoration of damaged paved road.	

<b><u>BID PACKAGE</u></b> <b><u>IFB-03-ENG-2022</u></b> IFCIP	<b>GWA Upper Tumon Warehouse Renovation</b>	
	<b>Activities/Notes:</b> Draft bid documents submitted to Legal Counsel for review.  \$700K reserved under IFCIP. Signed Internal Budget Transfer Form for fund reservations received.	
Project Description:	Work to be performed under this project consists of replacement of the existing warehouse metal roofing and sidings to include insulation, gutters, downspouts, roll-up doors and associated work. Demolition and replacement of gypsum board partition wall, doors, ceiling including electrical and communication systems at the ground and mezzanine floors.	

<b><u>BID PACKAGE</u></b> <b><u>IFB-04-ENG-2022</u></b> MP-GEN-MISC-05 & IFCIP	<b>GWA/GPA Customer Service Center and IT Renovation</b>	
	<b>Activities/Notes:</b> Draft bid documents submitted to Legal Counsel for review.  \$2,280,000 reserved under Bond 2020 MP-Gen-Misc-05 and \$222,820 reserved under IFCIP. Signed Internal Budget Transfer Form for fund reservations received.	

Project Description:	Work to be performed under this project consists of the renovation of first floor of GWA's two-story admin building to meet Customer Services, Finance's Cashier/Call Center, and Information Technology requirements in accordance with the current building code, fire/safety code and other relevant codes and standards. When completed, the first floor will consist of the newly renovated GWA/GPA Customer Services Center, Cashier, Call Center, IT and Server rooms, Offices, Training/Conference Room, Breakroom, Men's/Women's Restrooms, Records, Supply and Storage rooms.
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BOX KEY FOR PROJECT:		
<b>(Type of Project)</b> (Relevant CIP NO.)	<b>(Project Title)</b> (Contractor or consultant)	<b>Start Date:</b> (month and year)
(Percentage complete for project)	<b>Activities/Notes:</b> (brief description of activity)	<b>Completion Date:</b> (month and year)
(Court Order Paragraph No.)	(Project type)	
Project Description	Project Description Narrative	

**C. CIP Water Section**

<b>INSPECTION</b> PW 05-02	<b>Inspection &amp; Maintenance Repairs to GWA Island-Wide Steel Water Tank Reservoirs Phase II (DCA)</b>	<b>Start Date:</b> April 2010
96% Complete	<p><b>Activities/Notes:</b> Remaining work is API inspection, API report, structural inspection, tank bypass planning, and partial construction for the repair work.</p> <p>ID/IQ contract approved on 03/03/2021. CM work is under the ID/IQ.</p> <p>Ongoing CM inspection services for the following sites:</p> <ul style="list-style-type: none"> <li>• Yigo no. 3 steel tank repair</li> <li>• Agat-Umatat steel tank repair</li> <li>• Windward Hills steel tank repair</li> <li>• Santa Ana BPS upgrade for tank bypass</li> <li>• Geus BPS upgrade for tank bypass</li> <li>• Toguan BPS upgrade for tank bypass</li> <li>• Malojloj bypass</li> <li>• Astumbo no. 2 steel tank repair</li> </ul> <p>Continuing review of submittal, RFIs, and project payments.</p> <p>Conducting bi-weekly meetings.</p> <p><u>Santa Ana</u> Santa Ana reservoir has been taken offline. Santa Ana reservoir <b>inspected May 2022.</b></p> <p>API report received. <b>Contractor has submitted price for major repair. The scope/fee is currently under review by the CM/GWA. A change order is anticipated to be issued late August 2022 for the major repair work.</b></p>	<b>Completion Date:</b> December 31, 2023

	<p><u>Pigua</u> Geus BPS pump system is undergoing testing. Full commission is scheduled the week of 05/09/22. From there, the Pigua reservoir can be taken offline for inspection.</p> <p>Pigua tank is anticipated to be taken offline and inspected mid-August 2022.</p>	
CO 38C	Engineering inspection services	
Project Description:	The Court Order requires GWA to inspect all active and in some cases inactive water reservoirs. The inspection results will allow GWA to determine if a reservoir requires repair or replacement.	

<b>DESIGN</b> PW 05-12	<b>Brigade II BPS Upgrade (EM Chen)</b>	<b>Start Date:</b> April 2012
100% Complete (Basis of Design) 99% Complete (Design)	<b>Activities/Notes:</b> Final Plans with updated P.E. stamps, 100% construction cost estimate, and bid table have been submitted by E.M. Chen. Submittals are currently under review with an expected completion date of 08/12/2022.	<b>Completion Date:</b> TBD
N/A	Engineering design services	
Project Description:	The design project is intended to assess system water supply feed from the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and resize the pumps to meet system head requirements.	

<b>DESIGN</b> PW 09-11	<b>Northern and Southern Guam Reservoir Design (TG Engineers)</b>	<b>Start Date:</b> May 2015
90% Complete	<p><b>Activities/Notes:</b></p> <p><u>Ugum Reservoir</u> Design is at 90%. Designer is working towards 100%.</p> <p>TGE submitted cost for new instrumentation building and continuation of meetings. Engineering to discuss and negotiate change order cost. Resolution approved to increase project amount to fund Change Order (CO) no. 6. TGE resubmitted their adjusted CO no. 6 for GWA review. Amount reduced due to number of meetings held.</p> <p>SEARCH provided a date of February to submit the revised AMDP to GWA for review.</p> <p>GWA brought up the issue of availability of the cased hole drilling rig for the Ugum tank. TGE is proposing to include an alternative bid for pre-cast drive piles. This issue to be discussed further in upcoming meetings.</p> <p>TGE will submit a CO scope of work and cost to design pre cast pile foundation in lieu of CIDH foundation.</p> <p>TGE to resubmit cost for pre cast pile foundation. GWA does not believe that we should be paying for the full cost for the redesign due to issues with the CIDH design.</p> <p>TGE submitted cost for pre cast pile design. TGE does not believe that they have any responsibility with the availability of the drilling rig for the CIDH foundation; therefore, TGE asserts that GWA has to pay for the redesign from CIDH to pre cast piles. TGE states that GWA can't expect TGE to question their subcontractor's recommendation to use CIDH and eliminate pre cast piles in the geotechnical report. The geotechnical report eliminated precast piles due to availability of space at the sites.</p> <p>CO No. 7 will be issued to TGE to start on pre cast pile foundation design.</p> <p>TGE has started design of the pre cast pile foundation for the Ugum Reservoir. TGE shall provide a biddable plans and specifications for GWA by 08/19/2022.</p>	<p><b>Completion Date:</b> Completion will be in line with construction completion.</p>

	<p>Plans and specifications still tracking on schedule for 08/19 submission.</p> <p><u>Inarajan and Agfayan Booster Pump Station</u> Biological Assessment (BA) and Archaeological report are pending.</p> <p>TGE proceeding with design at both sites. Letter of interest/purchase to DLM/CLTC for Lot 28 is in process. Waiting for CLTC to inform GWA on their choice of appraisal company.</p> <p>DLM/CLTC notified GWA that they would like in-kind services rather than direct payment for the property. GWA to prepare response back to DLM/CLTC. DLM/CLTC has not responded with their choice of appraisal company.</p> <p>CLTC has provided their appraisal company preference. TGE to contract Chief Appraisals to begin appraisal of Lot 28.</p> <p>TGE provided a letter for GWA review. The letter will request to perform archaeological monitoring during construction in lieu of research design for the Agfayan BPS site.</p> <p>TGE submitted letter to SHPO to perform archaeological monitoring during construction in lieu of research design.</p> <p>TGE, SEARCH, and SHPO (JMJ) conducted a site visit for the Agfayan BPS. SHPO will be submitting their official comments to site in the coming weeks.</p> <p>TGE and GWA is still awaiting SHPO's comments. TGE to follow up with SHPO with phone call and email. If no response, a letter shall be drafted and send to SHPO's office.</p> <p>SHPO TGE has drafted a letter to be sent to SHPO following up on project requirements. GWA to review and provide comments, if any.</p> <p>Follow up letter sent to SHPO.</p> <p><u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update.</p> <p>Santa Rita Tank: The Contractor is preparing a package for submittal to GWA/GHD to perform pre cast piles in lieu CIDH. The cost for the foundation redesign shall be the responsibility of the Contractor. It is GWA's stance that any</p>	
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	<p>changes to the foundation, which may include additional piles, shall be borne by the Contractor.</p> <p>AIC is willing to pay TGE \$50K to complete design of pre cast piles. TGE is evaluating the cost. TGE to respond to AIC the week of 02/07/2022.</p> <p>TGE has started the pre cast pile design and is working with AIC. The full design is anticipated to be completed within 4 weeks.</p> <p>GWA and AIC is awaiting final design and specs from TGE.</p> <p>AIC assembled several sample pre cast rebar. No issues with fabrication of pre cast rebar cages. Trial batching for pre cast concrete mix completed. AIC will proceed once the final design and specs have been submitted by TGE.</p> <p>TGE will start on redesign of existing roadway, pipe line and electrical conduit realignment. TGE will consider the results of the pvc monitoring pipes (to be installed week of 04/18) for the slide failure.</p> <p>PVC test monitoring pipes have been installed at upper and lower failure locations.</p> <p>Preliminary rerouting of water lines has been submitted for review.</p> <p>Precast pile design is essentially complete. Contractor has started on re-fabricating the test pile cages. The test piles were increased from 40' to 55' as required by the geotechnical engineer.</p> <p>Test pile driving operation will begin the week of 07/25. The pile driving location plan is under review by the EOR and Geotechnical engineer. Review is expected to be completed the week of 07/18.</p> <p>Test piling was delayed due to questions on the unresolved pile driving submittals. Questions have been discussed with the geotechnical engineer and resolved. Pile driving operation to start 08/10 with 6 test piles.</p> <p>Designer has submitted pipeline rerouting plans. Designer to submit electrical, basin, and roadway realignment the week of 08/08.</p>	
CO 29 (b)(4)	Engineering design services	

Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Ugum, Santa Rita, Santa Rosa, Inarajan and Sinifa.
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<b>DESIGN</b> PW 12-04	<b>Central Guam Reservoirs Design</b> (GHD Inc.)	<b>Start Date:</b> May 2015
93% Complete	<p><b>Activities/Notes:</b></p> <p><u>Tamuning No. 2 Reservoir and Tamuning Booster Pump Station</u> 90% design submitted. Plans are under review by GWA.</p> <p>Per Bobbie, property acquisition letter for Lot 1, Block 5, Tract 1427 has been signed by GM. Property purchase is underway.</p> <p>Parceling map is being prepared.</p> <p>Archaeological survey is pending archaeologist schedule. Biological survey completed. GHD was able to get a hold of John Mark Joseph of SHPO. The archaeologist will begin preparing of the AMDP for submittal to SHPO.</p> <p>Designer is having issues with contacting the sub to perform the archaeological survey.</p> <p>Letter sent to SHPO to address their comments. Pending response from SHPO.</p> <p>Need approval from GIAA/GEPA for GWA to abandon monitoring well.</p> <p>No update from GEPA. GWA will include a separate bid item for the abandonment of the monitoring well. Once the cost has been received, the cost will be charged to GIAA via existing agreements.</p> <p>100% plans have been submitted on 07/08/2022. GWA to prepare documents for bid.</p> <p>Plans are currently being revised to exclude major pipeline on Route 10A-Marine Dr. This will be moved to additive bid. Designer to submit new plan the week of 08/08.</p>	<p><b>Completion Date:</b> Completion will be in line with construction completion.</p>

	<p><u>Manenggon Reservoir and Access Booster Pump Station</u></p> <p>100% design revision submitted. Plans is under review by GWA. Electrical/instrumentation review complete.</p> <p>GWA 100% review completed.</p> <p>BA report completed. Archaeological report will need to be expanded. Pending archaeologist schedule for additional site visits. GHD/SEARCH is coordinating with SHPO on what will be required. Historical artifacts found at the adjacent lot. Response received from DPR/SHPO. Designer is attempting to contact archaeologist to finish work plan. Archaeologist has been unresponsive.</p> <p>SEARCH is working on the updated report for submission to SHPO. Onsite monitoring will be required during excavation phases during the construction phase.</p> <p>Archaeological monitoring will be included in the Construction Management contract.</p> <p>Once GHD has complete the Tamuning Reservoir design. Both Tamuning and Manenggon Reservoirs will be packaged together for bid. IFB is tentatively scheduled for 06/22.</p> <p>100% plans submitted to GWA on 07/08. GWA to prepare documents for bid.</p> <p>Access BPS work will be removed from Base Bid. Designer to resubmit plans the week of 08/08.</p> <p><u>Piti Reservoir</u></p> <p>DCA and GHD are working to put the bid package together. DCA has already completed the major steel tank repair plan and specifications. GHD is working on site utility plan and specifications.</p> <p>GWA has not submitted the Right of Way application to National Parks Services yet. GWA has received the final Dept. of Agriculture consultation response letter. BA report has been completed. Archaeological report needs to be completed before ROW application can be submitted.</p> <p>Waiting on National Park Service to allow</p>	
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	<p>Archaeologist to go onsite to perform survey. GWA did a follow up on this request. National Park Service sent the request to their national office for review and approval. GWA is following up with NPS on request to enter site to conduct archaeological survey.</p> <p>GWA has been following up with NPS on response to enter property to conduct archaeological survey. EOR to contact SEARCH to revise archaeological shovel test locations and resubmit to SHPO. SEARCH has been unresponsive on the report. EOR to follow with SEARCH.</p> <p>GHD will contact Parks and Recs to step up meeting between GHD, DPR, GWA and SEARCH to discuss shovel test locations.</p> <p>A meeting was held with Department of Parks and Recreation (DPR). DPR has no issues with the archaeological and biological findings. GHD will draft a consultation letter for DPR to submit to the respective agencies, i.e. SHPO, Fish and Wildlife.</p> <p><u>A23-A25 Deepwell (PFAS Treatment)</u> A23 and A25 MOU signed by DPW and GWA.</p> <p>100% plans and specifications have been submitted to GWA. Planning/Grants is following up with US Army Corp of Engineers for their review and comment. GWA is preparing bid documents concurrently.</p> <p>Grants Section still needs approval from Army Corp before USDOJ can issue the grant award and conditions. Grants Section is actively working with Army Corp for clearance.</p> <p>Grants is working with Army Corp for public commenting.</p> <p>Fish and Wildlife is requiring a full-time biologist to be onsite to monitor work during construction. GWA has retained a biologist to perform a site survey prior to construction. The requirement for a full-time biologist may be waived pending the outcome of the site survey.</p> <p>Awaiting comments from US Army Corp on the biological report.</p> <p>Comments received from US Army Corp and all relevant agencies. GWA has no objections to the comments.</p>	
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	<p>GWA recently received the updated grant requirements. All grant requirements are currently being written into the project documents.</p> <p>Bid package will be sent to procurement mid-August 2022.</p> <p><u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon no. 1, Hyundai, Chaot no. 2 Reservoir Construction for update.</p>	
CO 29 (b)(4)	Engineering design services	
Project Description:	<p>The design services will consist of preparation of plans, specifications, and estimates (PS&amp;E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti &amp; Tumon #1.</p>	

<b>DESIGN</b> PW 05-15	<b>Asan Springs Rehabilitation Design (HDR)</b>	<b>Start Date:</b> August 24, 2016
82% Complete	<p><b>Activities/Notes:</b></p> <p>HDR submitted a letter to NPS to coordinate the archaeological survey requirements with SHPO. HDR submitted SHPO Letter to NPS for review on 05/29/2021; first comments 07/01, submitted revised SHPO letter 07/12, additional comments 08/09, and submitted final revision 09/15; NPS (Tim Clark) submitted to SHPO 10/20, SHPO responded on 12/28, HDR and NPS reviewing.</p> <p>Biological survey permit from NPS issued on 01/22/2021, and completed on 02/10 at Asan Springs. Preliminary findings from HDR led to the discovery of snails around the project site. Draft of biological survey has been submitted to NPS for review as of 03/29. NPS comments received on 06/04. Final report to NPS sent on 06/12. Had meeting with USFWS, DOAG, NPS and GWA to discuss 10/22 and additionally on 11/30; HDR submitted BA request to NPS for review before it can be sent to USFWS, and Public scoping document draft still under review with NPS. NPS still reviewing both documents. Affects Section 106 Letter.</p> <p>Environmental Consultation request sent to DOAG and GEPA on 03/15/2021 by Designer. Sent GWA signed follow-up letter to DOAG and GEPA on 06/22. DOAG responded on 07/01, but letter did not reach GWA Engineering until 08/04. GEPA responded on 08/11. Designer reviewing now and will respond accordingly.</p> <p>BA sent to USFWS for their review on 03/10/2022. USFWS sent back comments on 03/25/2022 and further discussion is needed between GWA, HDR, NPS, and USFWS on snail monitoring during construction.</p> <p>Public meeting scheduled on 04/19/2022 at Asan mayor's office 6pm. Comments from the meeting will be recorded and implemented into the Environmental Assessment (EA).</p> <p>Draft EA is ongoing with HDR and NPS.</p> <p>HDR is providing additional comments from USFWS into the BA and HDR is working with NPS to finalize the BA and submit to USFWS for acceptance.</p> <p>Pending NPS notification on the official start for NEPA process.</p>	<b>Completion Date:</b> June 2022
	Engineering design services	

Project Description:	<ul style="list-style-type: none"> <li>- Perform site visits and condition assessment for site conditions to determine demolition and rehabilitation requirement, process equipment condition, structural condition, and electrical system. Site condition assessment shall include all disciplines to execute the project.</li> <li>- Review and validate the current property boundary information to confirm the available space for the project development.</li> <li>- Perform an environmental impact study and prepare all required permits as needed.</li> <li>- Perform an archeological and historical resources study to identify potential impact to the project, prepare all required permits as needed.</li> <li>- Coordinate with Guam Historic Resources Division State Historic Preservation Office (SHPO) on historical resources study. Prepare all necessary reports and documents as required by SHPO.</li> <li>- Coordinate with Guam Department of Agriculture, Division of Aquatic and Wildlife Resources (DAWR) on vegetation clearance. Prepare all necessary reports and documents required by DAWR.</li> <li>- Identify the existing and projected service area, period of design.</li> <li>- Identify and recommend conceptual water treatment system.</li> <li>- Perform a Class 4 engineering cost estimate according to the American Association of Cost Engineers (AACE) International Cost Estimate Classification System for construction fee. Cost must include all disciplines, permit, construction and administration that are necessary to execute the project. All costs will be in current dollars and escalated to the estimated midpoint of construction.</li> </ul>
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<b>CONSTRUCTION MANAGEMENT</b> PW 12-04, PW 12-06 AND PW 09-11	<b>Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction Management (TG Engineers, PC)</b>	<b>Start Date:</b> December 2017
95% complete	<b>Activities/Notes:</b> As of 01/01/2021, GWA Water CIP Engineering will take over CM duties for remaining work. CM will be onboard for limited services – Eadoc project software management and conducting meetings/meeting minutes.  GWA received revised CO no. 2 for review and currently under processing by GWA.  Change Order approved.  GWA is awaiting close out documentation from TGE.  GWA has followed up with CM on close out documents.  TGE has responded and will be providing all close out documents in the coming weeks.	<b>Completion Date:</b> December 2021
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of	

	Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	
<b>CONSTRUCTION</b> PW 12-04, PW 12-06 AND PW 09-11	<b>Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction (AIC)</b>	<b>Start Date:</b> February 8, 2018
91.2% Complete	<p><b>Activities/Notes:</b>  <u>Tumon No. 1</u>  Tumon no. 1 online – 08/20/2020.</p> <p>Working on St. John's PRV. Final outage completed on 09/02/2021. Work remaining is pavement restoration. Pavement restored.</p> <p>Pale San Vitores PSRV and FM Outlet interconnect line is 66% complete. Interconnecting line has been completed. Contractor will begin on new PSRV and flow meter vault on the 12" line.</p> <p>CCR submitted by the Contractor for the additional potholing, paving, and newly discovered 8 in. interconnect. CCR signed.</p> <p>Contractor is working on the 12" PSRV and flow meter vault.</p> <p>16" PSRV vault will need modifications due to existing vault condition. Project team is proposing to move the flow meter and PSRV to the center lane. DPW should be amendable to the changes since we are moving away from the main roadway.</p> <p>SCADAPacks are near completion. Designer to coordinate with ArcSine to perform programming and testing prior to shipment.</p> <p>Awaiting CCR scope of work from contractor to move vault to center lane. We anticipate the CCR to be submitted 05/04/2022.</p> <p>CO no. 07 issued for miscellaneous site working, including San Vitores piping and vault modifications.</p> <p>Contractor has completed 12" bypass line and interconnecting lines at San Vitores Road. Contractor to move work to the center lane for prv and meter vault construction (4 vaults).</p> <p>Contractor has completed connection to existed 16" line. Work has stopped by permit renewal.</p>	<p><b>Completion Date:</b>  TBD  (Completion date has passed. Pending time extension for permit delays.)</p>

	<p>The permit is currently with GEPA. GWA has followed up with GEPA's Chief Engineer on permit status.</p> <p>SCADAPacks for all sites are currently being programmed (Seattle, WA). After completion of programming, the SCADAPacks will be tested and shipped to Guam.</p> <p>A majority of the SCADAPacks have been tested. The testing is ongoing and is anticipated to be completed next week.</p> <p><u>Barrigada Heights No. 1 (Hyundai)</u>  Barrigada Heights no. 1 online – 10/09/2020.  Booster pump skid arrived. Contractor is actively working on installing the pump skid and associated equipment.</p> <p>Temporary piping installed at the Hyundai tank. Pressure testing completed. Working with Contractor and GWA Operations to put portion of line into service.</p> <p>Contractor is working on correction to the electrical system. Awaiting signed drawings from EOR to submit to DPW for approval.</p> <p>Contractor to submit a commissioning plan for the BPS.</p> <p>Working on design plan to permanently use the Steel Temp Tank. Additional funding will need to be identified for the work. Decision has been made by GWA to not re-pipe the site.</p> <p>Awaiting stamped drawings from EOR for submission to DPW for building permitting. Civil drawings have been signed. Pending electrical stamp.</p> <p>Electrical drawings stamped. Guam Peals Board is requiring a mechanical stamp for plumbing sheets. EOR has been notified.</p> <p>Guam Peals Board has accepted the revised plans. Plans are back with DPW for final approval. Once we receive DPW's approval, GPA can connect the permanent power. Testing and commissioning can begin once this is completed.</p> <p>Contractor is scheduling the Grundfos booster pump system commissioning agent to be on island the first week of August 2022.</p>	
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	<p>Grundfos commission agents tested positive for COVID. Testing has been moved to late August 2022.</p> <p><u>Barrigada</u> Contractor working on electrical for booster and PRSV station.</p> <p>GPA addressed the incoming unbalanced power. Contractor confirmed that power issue has been resolved.</p> <p>Work will continue once the SCADAPacks have been shipped to Guam.</p> <p><u>Chaot No. 2</u> Chaot No. 2 tank online – 09/02/2020.</p> <p>Contractor working on A-series well, Dero Rd connection to Leo Palace line, chlorination system improvements and miscellaneous improvements.</p> <p>Tank distribution and Leo Palace line has been completed.</p> <p>Two more outages are needed to complete line work on main roads. Awaiting GWA operations to inform Engineering on outage schedule. Two remaining outages are for Route no. 4 valve changeout and disconnection of wells at Spring Lane.</p> <p>The remaining two outages are pending GWA Operation scheduling.</p> <p><u>Barrigada No. 2</u> DN Tanks completed internal repairs.</p> <p>Negotiating scope and cost with Contractor to repair internal pipe coating.</p> <p>Barrigada Tank No. 2 undergoing chlorination for service.</p> <p>Barrigada Tank No. 2 online on 03/08/2022.</p>	
	Construction Services	
Project Description:	<p>The work performed under this project procurement shall consist of Construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.</p>	

<b>CONSTRUCTION MANAGEMENT</b> PW 09-11	<b>Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)</b>	<b>Start Date:</b> April 2018
Completion:  Santa Rita - 100%  Santa Rosa - 100%  Sinifa - 100%  (billing)	<b>Activities/Notes:</b> CO no. 1 issued.  Santa Rita NTP issued to CM on 12/14/2020.  Santa Rosa NTP issued to CM on 01/11/2021.  CM providing standard CM services.  CCU Resolution to increase funding has been submitted to the CCU for July 2022 session. Once the Resolution has been approved, a change order shall be issued to the CM to extend CM services.  <b>Change Order to be issued to continue services.</b>	<b>Completion Date:</b> Santa Rosa: 455 days from NTP  Santa Rita: 485 days from NTP  Sinifa: 425 days from NTP.
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

<b>CONSTRUCTION</b> PW 09-11	<b>Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction (AIC)</b>	<b>Start Date:</b> October 2019
	<b>Activities/Notes:</b> <u>Santa Rosa Reservoir and BPS:</u> New tank foundation, retaining wall, vault, site piping, detention basin, and site piping work are ongoing.  All tank walls and columns have been poured. Contractor is working on the tank roof. Roof pour is scheduled for the end of February.  Contractor to resubmit CCR for the booster pump station changes.  CCR for Santa Rosa BPS pump revisions has been signed.  Tank roof poured on February 25 <sup>th</sup> . Ongoing yard piping, vault, electrical, and all other general work.  Tank shotcrete completed. DN Tanks installing appurtenances.	<b>Completion Date:</b> Santa Rosa Final Completion – February 13, 2022  Santa Rita Final Completion – March 15, 2022  Sinifa Final Completion – January 14, 2022

	<p>Ongoing yard piping, vault, and other miscellaneous work.</p> <p>Temporary pump station nearing completion.</p> <p>Tank completed. DN Tanks is working on minor work inside tank.</p> <p>Ongoing yard piping, vaults and other miscellaneous work.</p> <p>Temporary pump station piping connections have been completed.</p> <p>Final inspection of tank interior has been completed by GWA. Contractor to work on punch list items (grinding taper tie hole patches for smooth surface) prior to putting tank online. Tank is tentatively scheduled to be placed online August 2022.</p> <p>Another inspection was conducted 08/04/2022. Wall patch repair is ongoing. Inspection is scheduled for 08/08 for the patch work.</p> <p>GWA engineering and operation has tested the temp bps. Temp bps is acceptable; however, the temp bps still has to be fully commissioned by the Contractor and its supplier/tech JMI.</p> <p>Temp booster pump station is scheduled for 08/09 to be placed in service.</p> <p>Ongoing yard piping, vault, electrical, and general site work.</p> <p><u>Santa Rita Reservoir:</u> New tank foundation preparation, pile rebar cage, detention basin, vault, and site piping are ongoing.</p> <p>Contractor drilled the first pile hole. Hole experienced partial collapse at 20'. Full drill depth is 40'. Per the geotechnical engineer, the current auger machine will not work with these soil conditions. A hollow stem auger is needed. Marianas Drilling who owns a hollow stem auger is not available until January 2022.</p> <p>Contractor is preparing package and work plan to install pre cast piles in lieu of CIDH (cast-in-place drilled holes). See update on design section.</p> <p>Upper roadway to NPS property is collapsing. This may be due to heavy rainfall and</p>	
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	<p>excavation of new water line downhill. Design/CM team to evaluate the issue and prepare solution for contractor to execute.</p> <p>GWA sent a notification letter regarding the slope failure to TGE. TGE does not agree with the cause of the slope failure. TGE presented 4 alternatives to address the slope failure on GWA property. TGE to submit recommendation memorandum this week.</p> <p>TGE (EOR) has been actively working on solution for the slope on GWA's site. Geotechnical engineer has performed 4 additional borings for new access roadway, detaining basin, and existing roadway. The proposed solution is to reroute the site access around basin 1. Basin 1 will be filled in against the new road. Basin 2 shall be expanded. Site piping and electrical will be routed along the new access roadway.</p> <p>GHD/ENGEO (CM) is in the permit processing to install 2 PVC pipes to monitor the landslide. There are two permits – clearing and grading and drilling. Drilling permit has been approved. Awaiting clearing and grading permit.</p> <p>Adjacent land owner contacted Senator Telena Nelson's office. A site visit was conducted by GWA, DPW, AIC, Land Owner, Senator's office. Temporary roadway for Mr. Flores has been completed. Agreement with Mr. Flores for use of access road with ATV has been signed.</p> <p>Access/ATV agreement for Ritter/Flores family has been drafted.</p> <p>Access/ATV agreement signed by Ritter and Flores family.</p> <p>GWA and AIC is awaiting final design and specs from TGE.</p> <p>AIC has assembled several sample pre cast rebar. No issues with fabrication of pre cast rebar cages. Trial batching for pre cast concrete mix completed. AIC will proceed once the final design and specs have been submitted by TGE.</p> <p>TGE will start on redesign of existing roadway, pipe line and electrical conduit realignment. TGE will consider the results of the pvc monitoring pipes (to be installed week of 4/18) for the slide failure.</p>	
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	<p>AIC will prepare grade for APDI to access site to install 2 monitoring pvc pipes.</p> <p>PVC monitoring pipes have been installed.</p> <p>Contractor is working on re-fabricating the test pile cages due to the increase in length required by the geotechnical engineer. Test piles have increased from 40' to 55'.</p> <p>Contractor to proceed with ordering additional pipe fittings for the water line re-routing.</p> <p>Test pile driving operation will begin the week of 07/25/2022. Several piles have been mobilized to the site. The pile driving location plan is under review by the EOR and Geotechnical engineer. Review is expected to be completed the week of 07/18.</p> <p>Test piling was delayed due to questions on the unresolved pile driving submittals. Questions have been discussed with the geotechnical engineer and resolved. Pile driving operation to start 08/10 with 6 test piles.</p> <p>Designer has submitted pipeline rerouting plans. Designer to submit electrical, basin, and roadway realignment the week of 08/08. Contractor to begin pricing of the pipe rerouting work.</p> <p><u>Sinifa:</u> Foundation and retaining wall complete.</p> <p>Core wall nos. 1-6 have been poured.</p> <p>Piping, vault, and other general site upgrades are ongoing.</p> <p>Core wall no. 7 has been poured. Core wall no. 8 pour has been delayed for several weeks due to high winds at the site.</p> <p>Ongoing site work such as retaining wall, vaults, etc.</p> <p>Core wall nos. 8 and 9 have been poured. One more column is schedule for pour next week. Contactor working on control building, piping, vaults, etc.</p> <p>Tank roof has been poured. Tank has been pre-stressed. Shotcrete completed. Shotcrete is currently curing.</p>	
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	<p>Ongoing yard piping, vault, electrical work.</p> <p>Tank is expected to be placed online the latter part of August 2022.</p> <p>Contractor is working on the tank interior appurtenances, i.e., ladder, overflow pipe.</p> <p>Tank is still tracking for late August to be in service.</p>	
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

<b>CONSTRUCTION</b> PW 05-16 USEPA M9692619	<b>Pressure Zone Realignment and Tank Repair-Replacement – Phase I (Sumitomo)</b>	<b>Start Date:</b> December 17, 2019 (Notification of Award)
52.2% Complete	<p><b>Activities/Notes:</b>  Construction work active at all sites.  Construction meetings are ongoing.</p> <p>Clara: Outage for Clara PRV 8" line connection completed on 03/04/2022. Should be the last outage required for this site. Onsite work for electrical installation, backfilling near vaults, etc. ongoing. GTA conduit damage concern being addressed. Situation was raised to GWA Legal Counsel; SMCC to supply documentation. <b>As of 08/09, we are still waiting for SMCC to supply documentation for our Legal Counsel's review.</b></p> <p>Kaiser: 1 more pending water outage before site is complete. <b>This outage will be to abandon the old PRV behind the abandoned concrete reservoir.</b> Onsite work for electrical works, SCADA termination, <b>site grading, asphalt restoration</b>, etc still ongoing. <b>Kaiser Bypass PRV testing complete on 08/09. Kaiser Reservoir will be able to be bypassed for repair soon.</b></p> <p>Carnation: Installation of SCADA panel/ antenna, and fencing around control room ongoing. <b>Erection of pole delayed due to weather; rescheduled to 09/11.</b></p> <p>Ysengsong: Road re-opened 10/25/2021. SCADA programming and electrical work</p>	<b>Completion Date:</b> March 2022

	<p>ongoing. <b>Punchlist items still being addressed. Site still has pending pothole investigation.</b></p> <p>Okkodo: Preparing for PRV 30 outage. Previous target dates for end of March to mid-April 2022 were not met due to Contractor shortage of appropriate cutting materials. Belly saw arrived on-island week of 05/01. Outage pending Ops investigation/ testing. <b>Ops to test site for outage on August 12<sup>th</sup> or 19<sup>th</sup>. Concerns with outage plan being addressed. SMCC is planning on removing a section of guardrail to provide more space to connect to existing piping. SMCC is also having difficulty with the piping layout inside of the PRV vault and will be submitting a sketch demonstrating their concerns.</b></p> <p>Terao: Outage for installing valves on the 12" line on Rte. 15 has been delayed. Pending Ops preparation of Mangilao reservoir. <b>Ops team was able to successfully shut down the necessary lines for the 1<sup>st</sup> of 2 outages at Terao on 08/08. Installation of 12" tee downstream of the old 6" PRV scheduled for 08/12.</b></p> <p>Maimai: Outages for connecting new vault(s) and PRV's complete. On-site works for electrical conduits/panels, concrete slab pours, etc. still ongoing. <b>GPA to install a new power pole at the PRV site to replace the existing one that is deteriorating. SMCC electrical work delayed as they have been advised to wait to perform some conduit installation.</b></p> <p>Astumbo &amp; Yigo: Contractor in-house SCADA programming and testing ongoing.</p> <p>SMCC payment no. 10 in process. Received estimate of additional work proposed to SMCC on 07/08/22. A change order for other additional work and time extension is also in the works. Current estimated time of project completion is November 2022.</p>	
N/A	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services for the installation of control valves (PRVs, PRSVs), piping, and related electrical upgrades to properly control and measure system flow between zones.	
<b>DESIGN</b> PW 05-12	<b>Pressure Zone Realignment and Tank Repair-Replacement (GHD)</b>	<b>Start Date:</b> August 2018
Design will be done in Phases.	<b>Activities/Notes:</b> Designer submitted Phase 2 60% plans on	<b>Completion Date:</b>

<p>Phase I - 100% (Design)</p> <p>Phase II - 100% (Design)</p> <p>Phase III - 30%</p>	<p>08/04/2020 and reviewed by Water CIP Engineering team on 08/11/2020.</p> <p>Engineering, Operations and designers performed several site visits and investigations for Phase nos. 2 and 3. Resolution for CO no. 3 on Design services for Nimitz Hill Waterline Replacement and Phase 2 CM services is in the works approved 02/29/2021. CO no. 3 signed by GHD on 03/25 and is with Accounting for processing.</p> <p><u>Phase 2</u></p> <p>Phase 2 100% plans is scheduled to be submitted by the end of February. Phase 3 30% has been submitted for review.</p> <p>Phase 2 plans nearing completion. Two additional sites were added.</p> <p>Phase 2 shall be grant funded. Project team working with Grants to send out scope and plans to local/federal agencies for commenting, i.e. SHPO, Fish and Wildlife, etc. Phase 2 design is 100%. Project is ready to bid once clearances from the local/federal agencies have been provided and addressed.</p> <p>Planning is prepping sites to submit to the commenting agencies. Comments must be received before we can put the bid out. Awaiting grant award letter.</p> <p>Awaiting grant award letter.</p> <p><u>Phase 3</u></p> <p>Phase 3 work ongoing. EOR to schedule meeting with engineering and operations to discuss sites.</p> <p>Meeting with Operations, Engineering, and EOR to discuss selected sites has been scheduled for 08/11/2022.</p> <p><u>Phase 4</u></p> <p>Phase 4 site list has been drafted.</p>	
N/A	Engineering design services	

Project Description:	The design project is intended to assess current and recommended pressure zones, and design and install control valves (PRVs, PRSVs) to properly control and measure system flow between zones. Scope also includes setting up pilot DMAs; and design for new or repaired water tanks needed to complete the court order tank requirements.
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<b><u>DESIGN, CONSTRUCTION, CONSTRUCTION MANAGEMENT</u></b> PW 09-11	<b>Tank Repair and Bypass (AIC)</b>	<b>Start Date:</b> May 1, 2020
36% Complete	<p><b>Activities/Notes:</b> Construction contract effective 04/21/2020. NTP issued 05/01/2020 with modified language for work starting onsite.</p> <p><u>Agat-Umatac</u> Agat-Umatac repairs to be completed by 01/31/2022. Remaining work is exterior coating and minor interior paint touch up. Awaiting GEPA approval to place tank back online. Disinfection has been completed. Tank online 02/19/2022.</p> <p><u>Yigo No. 3</u> Yigo no. 3 repairs to be completed by 01/31/2022. Remaining work is welding wall back and performing repairs to the wall. Minor interior coating will be completed this week. Tank is under chlorination for service.</p> <p>Tank placed onsite 03/18/2022, but taken offline due to paint issues. Project team is working to rectify coating issue.</p> <p>Tank has been allowed to air out for 2 weeks. Tank hatches have been closed 05/03/2022. Ops to flush tank floor.</p> <p>Contractor has replaced leaking tank drain valve.</p> <p>Operations to put tank online 07/18.</p> <p><b>Tank is currently being filled. Tank will be placed online in the coming weeks.</b></p> <p><u>Astumbo No. 1</u> Astumbo no. 1 delayed due to presence of lead paint. Change order approved for lead abatement at tank. Scheduling Island Certs to perform further API inspection on tank wall which has active corrosion. Inspection completed. Pending CCR resubmittal for additional wall plate replacement.</p>	<b>Completion Date:</b> TBD (Dependent on repairs required after inspection)

AIC sand blasted the corroded wall section of Astumbo. Holes are now present. A change order is needed to replace 7 wall pieces. Pending final API report and CCR cost for additional plate repair.

Change order issued for the additional wall plate replacement. Contractor has started floor repair.

**Repair work ongoing – floor replacement.**

Windward Hills

Windward Hills repair ongoing. Contractor will begin cutting wall for access into the tank to begin interior repairs – floor replacement, column repair, metal repair, interior coating and other miscellaneous metal repair. Contractor poured the first section of the new concrete tank floor. Repairs ongoing.

Portion of new tank floor is completed. Concrete portion of tank floor is nearing completion.

Contractor installing anchor chairs and preparing for interior sweep blasting for coating.

**Repair work ongoing – tank interior blasting for coating.**

Santa Ana

Santa Ana bypass work is ongoing. Pump and motor control no. 1 installed and tested. Pump 2 is scheduled to be tested on Friday, 03/11/2022.

Bypass was tested, but the tank outlet valve is leaking. Valve scheduled to be changed out 04/13/2022.

Tank taken offline. Contractor is currently cleaning and preparing scaffolding. API inspector is scheduled for 05/05-10/2022.

Repair list submitted to Contractor for pricing. Contractor to submit repair cost the week of 07/18.

**Repair cost submitted and is under review.  
Change Order is anticipated to be issue late August 2022.**

Malojloj

Malojloj bypass work ongoing. Work will be split into two separate outages due to the time required to place the system back online. Outage no. 1 completed last week. Outage no. 2 to be rescheduled. Current connection allows

	<p>for tank bypassing. However, Malojloj bypass will be put into service after Windward Hills, Umatac Subdivision, and Pigua tanks are repaired.</p> <p>Ladda PSRV installed.</p> <p>Bypass ready.</p> <p>Malojloj will be taken down for inspection after Pigua or Umatac Subdivision have been repaired.</p> <p><u>Pigua</u> Gues BPS work ongoing. Contractor installed pump skid. Working on piping and electrical.</p> <p>Pigua PSRV installed.</p> <p>Geus pump skid system has been tested. Full commission scheduled for next week. Hydro pneumatic tank for Pigua BPS scheduled for installation the week of 07/18. Once the hydro pneumatic tank is installed, Operations to schedule to secure tank and run the system off the bypass (booster) system. This is scheduled for the week of 07/25.</p> <p>Pigua tank is anticipated to be taken offline and inspected mid-August 2022. Tank will be taken offline the week of 08/08. Bypass system is currently being tested. No issues since the bypass was put into service.</p> <p><u>Umatac Subdivision</u> Toguan BPS work ongoing. Contractor working on piping and electrical.</p> <p>Booster pump skid installed. Contractor working on electrical and other miscellaneous site work.</p> <p>Electrical service changes are required. Contractor is currently applying for changes with GPA.</p> <p>Contractor is preparing a CCR for the electrical changes.</p> <p>CCR for electrical changes submitted. Cost is under review.</p>
Project Description:	<p>The work to be performed under this project consist of installing by-pass piping, valves, etc. ahead of certain tank inspection work. The operation of the by-pass will allow the tank inspector to determine appropriate repairs after which the contractor will proceed to repair the tank.</p>



<b>DESIGN</b> PW 09-02	<b>New Well Site Development - Y-08, AG-10, AG-12 (GHD)</b>	<b>Start Date:</b> September 2018 (Extension)
99% Complete	<b>Activities/Notes:</b> 100% plans and specifications were submitted on 06/04/2020. CO no. 8 to complete final plan set and engineer estimate is under negotiation with GHD. Updates to plans pending changes made to the A-series wells.	<b>Completion Date:</b> TBD
N/A	Engineering Design Services	
Project Description:	The design project is intended to design 3 new wells to increase production capacity. The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, construction schedule, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction.	

<b>CONSTRUCTION</b> PW 14-01	<b>Fire Hydrant Replacement Phase I (Mega United Corporation, Ltd.)</b>	<b>Start Date:</b> October 19, 2019
71% Complete	No construction activity. Awaiting for the arrival of GWA FH materials.	<b>Completion Date:</b> April 23, 2022
Project Description:	The work performed under this project consist of replacing the dry barrel fire hydrants with wet barrel type fire hydrants. The replacement will involve removal of defective fire hydrant laterals, gate valves, hydrant stem and barrel and other appurtenances necessary to complete the project.	

<b>CONSTRUCTION</b> PW 05-07	<b>Groundwater Well Production Meter Replacement Project (Giant Construction)</b>	<b>Start Date:</b> April 29, 2020
64.91% Complete (Percentage completion was reduced due to incorporation of CO no. 5)	<p><b>Activities/Notes:</b></p> <p>Contractor completed installation of above-ground discharge piping for deep wells: Y-23, Y-09, Y-17, Y-07, F-15, HGC-2, M-18, D-26, Y-20, F-18, Y-19, F-13, D-27, D-25, Y-12, Y-18, F-17, Y-14, Y-21A, Y-10, Y-22, A-13, EX-05, A-10, Y-15, H-01, D-01, AG-02, F-02, and F-04. To date, 30 deep wells were completed as required by the project scope.</p> <p>A 'Substantial Completion' inspection was scheduled on 10/11/2021 and corrective actions were completed on 11/29.</p> <p>A CO no. 4 was approved on 10/20 extending the contract date to 01/14/2022 allowing enough time to process CO no. 5 that will add 15 critical production wells listed in Additive Bid no. 1 to the existing contract.</p> <p>The request for CO no. 5 was approved by CCU on 10/26/2021 and PUC on 10/28/2021.</p>	<b>Completion Date:</b> <b>November 06, 2022</b>

	<p>A formal CO no. 5 was routed to Accounting on 11/03 and was signed by the GM on 12/06.</p> <p>Contractor was issued the signed CO no. 5 and was advised to proceed ordering the materials (except water meter) for the next 15 wells as per approved shop drawings dated 11/15/2021. Contractor submitted a new model version (5W8C) of Endress Hauser Promag W800 and not the older version 5W8B used for the first 30 wells. Approval of meter submittal is delayed, as GWA is making sure that the frequency bandwidths offered in the EH electromagnetic flowmeter can be supported by cellular service providers on island. Service providers are not very responsive to our request for information.</p> <p>CO no. 6 extending the contract time by 215 calendar days was approved on 02/02/2022.</p> <p>About 90% of the above ground piping materials are already on island. The water meter submittal was only approved on 03/17 after service providers confirmed their cellular services support the new version of promag W800 meter.</p> <p>The revised estimated arrival of water meters is 08/09/22. The revised shipment date of air relief valves and butterfly vales to Guam is 08/30. The Covid-19 pandemic and global supply shortages affected the material production and delivery process.</p> <p>CO no. 7 extending the contract completion date to 11/06/2022 was approved 07/05/2022.</p>	
	Construction services	
Project Description:	Work to be performed under this project shall consist of replacing the production well meters and associated well head piping. Construction management is performed in-house.	

<b><u>DESIGN AND CONSTRUCTION</u></b> PW 09-03	<b>Casimiru Waterline Replacement Project (Giant Construction)</b>	<b>Start Date:</b> February 13, 2021
99% Complete	<p><b>Activities/Notes:</b></p> <p>The final design drawings were approved 08/03/2021. Contractor submitted Building Permit application to DPW on 08/05.</p> <p>On 08/11, the permit clearance was submitted to Historic Preservation Office (HPO), DPR. On 09/30/21, the Contractor received Certificate of Approval from HPO. DPR requires an Archaeologist to conduct Research Design for Archaeological Monitoring and Discovery Plan. SHPO states this project has the potential to affect historic properties that are 840 feet away.</p> <p>A letter was sent to SHPO asking for clarification on how the project will affect the historic properties located 840 feet away. SHPO has not responded to this letter.</p> <p>All material piping materials arrived on island. The Contractor is ready to proceed with the excavation as soon as the permit is issued.</p> <p>The GM met with Acting DPR Director on 10/26 and discussed the concern re-requirement for AMDP. GM followed the discussion with an email the same day.</p> <p>DPR signed the HEP on 11/15. HEP and Building Permit was released first week of December 2021.</p> <p>Contractor submitted a claim for the 90-day time extension on 01/25/22 due to late approval of permits. CO was approved on 02/04 extending the contract time to 05/09.</p> <p>The project sign was installed. As of end of February 2022, the following were completed (1) installation of 2,250 out of 2,560 linear feet of pipe, (2) service laterals stub-outs to all existing meters (3) all new and existing fire hydrant reconnections, and (4) pressure testing of water main including service lateral stub-outs.</p> <p>By end of March 2022, 2,547 feet out of 2,560 feet of 6-inch waterline has been installed. Contractor conducted another pressure testing due to leak. After completion of pressure testing, Contractor restored damaged a.c. pavement. Remaining works are disinfection of the waterline and service laterals, connection of existing PRV to new waterline and tapping to</p>	<b>Completion Date:</b> May 9, 2022

	<p>existing waterline for transfer of service.</p> <p>Disinfection of new waterline was completed on 04/28. Tapping of new waterline to existing waterline is delayed due to failure of GTA to clear the tapping location of their cables because of manpower issue.</p> <p>On 05/13, project was substantially completed. All existing service laterals and existing PRV were disconnected from the old waterline and reconnected to new waterline. An outstanding punch list created during inspection was completed on June.</p> <p>On 06/08, Engineering requested the Contractor to submit a change order proposal to relocate meters on the private properties to the road right-of-way, and lower the meter/valve boxes on the right-of-way to the existing grade. Contractor submitted its proposal on 06/20. On 06/30, Contractor was requested to revise its proposal <b>to include 3' x 2' pre-cast concrete pad for the meter and valve box. Still awaiting for Contractor's cost proposal.</b></p>	
	Design and Construction services	
Project Description:	<p>Work to be performed under this project shall consist of design and construction of existing ACP replacement. Approximate length of existing waterline to be replaced is 2,750 feet. Construction management is performed in-house.</p>	

<b>CONSTRUCTION</b> PW 09-03 MP-PW-PIPE-12	<b>Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement (Giant Construction Corporation)</b>	<b>Start Date:</b> May 17, 2021
10.25% Complete	<b>Activities/Notes:</b> CO no. 2 pre-approved by the CCU and PUC to replace waterline along Taison Road is being processed to include the extension of contract completion date incurred by the delay in obtaining permit from DPR-SHPO. <b>CO no. 2 will be submitted for processing.</b>  Former GWA project engineer has retired. Project has been assigned to Jessey Mendiola.  <b>DCA is working with SHPO to waive Archeological Monitoring Fee for Tai Rd. and S-13 St.</b>  <b>CO no. 3 for fire hydrant removal, extra air relief valve installation, 6" connection on Chalan Paderon to 12" main, and replacement of existing laterals being prepared. Estimated amount for CO no. 3 is \$825,582.98.</b>	<b>Completion Date:</b> June 16, 2022
Project Description:	Work to be performed under this project consist of replacing an existing 6-inch asbestos cement pipes (ACP) with new 8-inch polyvinyl chloride (PVC) water line along Tai Road; replacing an existing 2-inch water line with a new 6-inch water line along S-13; disconnecting existing branch water lines, service connections and other water appurtenance connections from an existing 6-inch ACP water line and reconnect to existing 12-inch PVC water line along Canada-Toto Loop; and replacing an existing 6-inch ACP water line with new 6-inch PVC water line along Blas Street.	

<b>CONSTRUCTION MANAGEMENT</b> PW 09-03	<b>Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement (DCA)</b>	<b>Start Date:</b> May 7, 2021
10.25% Complete	<b>Activities/Notes:</b> Assisting project contractor to obtain permits and clearances from various related agencies.	<b>Completion Date:</b> Based on 13-month continuous construction period
Project Description:	Work to be performed is awarded under Task Order no. 2 for CM services under the ID/IQ For Professional Project Management and Construction Management Services contract with DCA. Work under this task order is to provide construction management and inspection services for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement project.	

<b><u>PROJECT MANAGEMENT, PROCUREMENT SUPPORT &amp; CONSTRUCTION MANAGEMENT</u></b> MP-PW-SWTP-03	<b>Ugum Water Treatment Plant Rehabilitation (DCA)</b>	<b>Start Date:</b> July 6, 2021
100 %Complete (Basic Services)  66% Complete (Based on Total Contract Amount)	<b>Activities/Notes:</b> The draft Assessment and Procurement Report and Bid Schedule were submitted on 08/19/2021. Work on gathering more information to complete the assessment-procurement report and bid schedule is ongoing.  Coordination with material suppliers has started. This coordination work is for the purpose of preparing the specifications.  Draft Procurement (Bid) package was submitted 10/06.  Review comments sent to DCA on 10/26.  After discussion with Ugum Operators, additional comments were sent to DCA on 10/27, including furnishing 2 1-ton chlorine containment vessels inside the chlorine room.  Because additional comments were not received on time, the October target date for the final submittal was moved to first week of November 2021.  A second invoice for \$61,498.20 was approved on 10/18 bringing the total payment to \$120,925.20.  DCA submitted on 12/08/2021 a revised "draft" final submittal that includes Procurement Report, Specifications, cost estimate, and Bid Form. DCA needs confirmation from Operations on some items before submitting a "final" final report.  DCA encountered delay in getting clarification from material vendors regarding questions from Ugum operations. Final submittal was received 02/18/2022 with the revised construction cost of \$4.224M.  On 02/28, a request was sent to Acting Chief Engineer to identify funding source(s) in order to proceed with the rehabilitation project. No funding source(s) has been identified yet.	<b>Completion Date:</b> April 18, 2022

	<p>GWA and the Consultant had a separate discussion with the DPW building official re-permitting of the project. Per DPW, if Ugum Rehabilitation project will involve replacement of parts and equipment only, building permit will still be required but no need for plans/sketches to be stamped by PE. If the project will involve new improvements, then the plans must be stamped by PE.</p> <p>DCA revised and resubmitted on 04/18 the final submittal to remove new improvement items from the bid documents such as railing and ladder for backwash tank, neutralization tank, and sludge tank.</p> <p>The front-end documents of the bid have been prepared.</p> <p>Pending certification of funds for construction.</p>	
	Project Management, Procurement Support and Construction Management services	
Project Description:	<p>Work to be performed is awarded under Task Order no. 3 under the ID/IQ for Professional Project/Construction Management Services contract with DCA. Work will consist of assessment/site investigation of existing condition of the plant, preparation of schedule, procurement documents, relevant permits, construction bid support services, and response to request for interpretation/information, construction management services for the plant rehabilitation.</p>	

<b><u>IN-HOUSE DESIGN AND CONSTRUCTION</u></b> PW 09-03	<b>Balaku Street and Borja Street Replacement Project (GWA)</b>	<b>Start Date:</b> June 21, 2021
36% Complete	<p><b>Activities/Notes:</b> All required clearances for Building permit have been secured. Permit was sent to DPW on 09/29/2021 for final approval.</p> <p>On 10/26, Highway Encroachment Permit section notified GWA that a \$525.00 fee is required before the permit is released. Of this amount \$500.00 is refundable upon satisfactory restoration of damaged pavement.</p> <p>On 10/27, a request was sent to Accounting to process a check to Treasurer of Guam for \$525.00.</p> <p>The separate permit fee assessed by DPW in the amount of \$1,955.25 has been waived.</p> <p>HEP and Building permits were released on 11/04 and copy sent to Operations. Operations plans to start excavation by mid- January 2022.</p> <p>Operations unable to start the project as scheduled. The HEP was extended for 2 months (from 01/15/2022 to 03/15/2022).</p> <p>GIS/Survey completed establishment of the R-O-W boundary and lot corners.</p> <p>Installation of Balaku waterline is complete except for 2 service laterals. <b>Operations completed the 2 service laterals on Balaku on 06/30/2022. Replacement of Borja Street waterline is pending.</b></p>	<b>Completion Date:</b> <b>September 15, 2022</b>
	Design and Construction services	
Project Description:	Work to be performed under this project shall consist of in-house design and construction of waterline replacement in Balaku Street in the village of Barrigada and Borja Street in the village of Sinajana. Approximately 450 feet of 4-inch waterline will be installed in Balaku Street and 500 feet of 6-inch waterline in Borja street.	



**D. CIP Wastewater Section**

<b>DESIGN</b> WW 09-06	<b>Bayside SPS Improvements Design (EMPSCO)</b>	<b>Start Date:</b>
95% Construction Services	<b>Activities/Notes:</b> Outside Pipe Support – Temporarily installed. After demolition of existing panel board used in existing pump this will completely installed.  Rehabilitation of influent pipe from existing manhole to refurbished manhole completed on 08/08.  Bayside pump station is online. The wet well, one pump and controller is in operation.  Pump no. 1 down and contractor is fixing it. The monitoring of wet well, pump and controller is under the responsibility of Sumitomo with the assistance of GWA Ops until the project is turned over to GWA.  CO no. 3 is under negotiation to include adjustment of exhaust vents, provision of kick board at railing, time extension and extended overhead.  Close out documents underway.	<b>Completion Date:</b> August 30, 2022 (tentative schedule)
CO #3	Engineering design services	
Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges and install underground power cable due to GPA's concern that existing power pole, located on the bank is at risk of being lost due to storm surges.	
<b>CONSTRUCTION</b> MP-WW-PIPE-01	<b>Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation (Ian Corporation)</b>	<b>Start Date:</b> May 3, 2021
10.2% Complete	<b>Activities/Notes:</b> Contractor commences interior painting/coating on 07/11/2022.  CM releases MCC Product Data Submittal on 07/06; Contractor to submit Order Acknowledgement for MCC and Transformer for fabrication and arrival time.  EOR commences design for new platform layout on 07/11.  Contractor submits Billing invoice no.3; under	<b>Completion Date:</b> May 29, 2022

	review by CM.	
Project Description:	Work to be performed under this project consist of demolition of existing building features and equipment, including the existing power pole and power meter, plumbing fixtures and piping, water service piping, electrical system, ventilation system, building fascia and monorail beam and construction of rehabilitation and flood mitigation features including structural wall repairs, flood barrier gates, raised louver sills, cantilever monorail beam, elevated platforms, ventilation system, site work, site water piping, utility tie-in connections, protective coatings, electrical system, instrumentation and controls, testing, startup, and appurtenant work.	
<b>CONSTRUCTION MANAGEMENT</b> WW 09-01	<b>Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation (DCA)</b>	<b>Start Date:</b> May 3, 2021
12% Complete	<b>Activities/Notes:</b> Second invoice has been approved and remitted.	<b>Completion Date:</b> May 29, 2022
Project Description:	Work to be performed under this project consist of demolition of existing building features and equipment, including the existing power pole and power meter, plumbing fixtures and piping, water service piping, electrical system, ventilation system, building fascia and monorail beam and construction of rehabilitation and flood mitigation features including structural wall repairs, flood barrier gates, raised louver sills, cantilever monorail beam, elevated platforms, ventilation system, site work, site water piping, utility tie-in connections, protective coatings, electrical system, instrumentation and controls, testing, startup, and appurtenant work.	

**E. CIP Engineering Support**

<b>DESIGN</b> EE 09-08	<b>SCADA System for Water and Wastewater Facilities Phase A-1 (AECOM)</b>	<b>Start Date:</b> June 11, 2015
100% Complete (Design) 84% Services during Construction	<b>Activities/Notes:</b> Negotiate changes to the remaining tasks to better align with current state of the system ongoing. Scoping details discussed.  AECOM preparing proposal.  GWA received RFI from AECOM.	<b>Completion Date:</b> November 2017 - Design December 11, 2019 - (Bid and Construction Support)
N/A	Engineering design services	

Project Description:	The A/E firm will design an integrated, robust and secure Supervisory Control and Data Acquisition (SCADA) system for GWA's water and wastewater systems, and to provide support services during bid and construction. The 22 sites will consist of a combination of water facilities such as production wells, reservoirs, booster pump station and wastewater sites include sewer treatment plants and sewer pump stations. Executed by approved change orders, number of sites in original design scope has changed from 22 sites to 19 sites and design of High Water Alarm for 20 critical sewer pump stations has been added. Scope also includes bid and construction support of the design-build project of GPWA SCADA EMS project.
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**F. GIS Section**

<b><u>MAPPING</u></b> MC 05-02	<b>Island Wide Survey- (Duenas, Camacho &amp; Ass.)</b>	<b>Start Date:</b> December 2007
99% complete	<b>Activities/Notes:</b> Still on hold for the Tumon no.1 Tank (aka Airport Tank).	<b>Completion Date:</b> October 2019
	Survey services	
Project Description:	The contracted land surveyor is required to conduct title research, property valuation and mapping of property boundaries where GWA facilities are located, including the lots which are not registered under GWA's name.	

<b><u>MAPPING</u></b> MC 05-02	<b>Island Wide Survey PH II - (Duenas, Camacho &amp; Ass.)</b>	<b>Start Date:</b> August 30, 2017
80% complete	<b>Activities/Notes:</b> Second Extension Date will be on December 2022.  CO no. 5 was approved on 06/07/2022.	<b>Completion Date:</b> December 2022 (Extension Date)
	Survey services	
Project Description:	The work performed under this project procurement shall consist of a professional land surveyor conducting field work to mark corners of existing government properties as a means of severing out portions of the larger property to be deeded to GWA. Surveyor shall also prepare all necessary maps and documents for recording at DLM.	

**G. Permits Section**

PERMITS  
MONTHLY REPORT 2022

	2022												
Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Building Permit	27	47	43	22	10	19	17						185
Occupancy Permit	11	14	24	8	17	11	10						95
New Installation	12	25	25	12	25	29	12						140
Sewer Application	0	4	17	0	4	4	2						31
Sewer Inspection	0	0	0	0	0	0	1						1
Private Utility Acceptance	0	1	0	1	0	0	0						2
Relocation of Water Meter	0	2	3	0	0	0	2						7
Tapping-Water	0	1	5	1	2	0	1						10
Tapping-Sewer	0	0	0	0	0	1	0						1
Clearance-Water	30	17	6	6	47	60	32						198
Clearance-Sewer	0	0	0	0	0	0	0						0
Highway Encroachment	13	13	12	12	18	20	27						115
Verification of Utilities	10	12	14	15	3	9	16						79
Fire Flow Test	0	3	0	0	0	1	1						5
Schedule Water Outage	0	0	0	0	0	0	0						0

NOTE: Completed work orders for each calendar month are reported.

AVERAGE PROCESSING TIME FOR COMPLETION (DAYS)  
FOR THE CALENDAR MONTH OF **JULY 2022**

Description	2022											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit	24	13	40	8	11	24	23					
Occupancy Permit	0	0	0	0	0	0	0					
New Installation	51	43	69	78	34	26	53					
Sewer Application	0	0	0	0	0	0	0					
Sewer Inspection	0	0	0	0	0	0	38					
Private Utility Acceptance	0	17	0	14	0	0	0					
Relocation of Water Meter	0	201	168	0	0	0	53					
Tapping-Water	0	13	126	27	79	0	54					
Tapping-Sewer	0	0	0	0	0	110	0					
Clearance-Water	3	8	20	3	5	8	7					
Clearance-Sewer	0	0	0	0	0	0	4					
Highway Encroachment	0	0	2	0	0	0	3					
Verification of Utilities	10	12	35	21	22	3	45 <sup>a</sup>					
Fire Flow Test	0	3	0	0	0	5	1					
Schedule Water Outage	0	0	0	0	0	0	0					

Subscript comments are based on what occurred during the month of July

**a:** VOU replies were delayed when other work assignments needed urgent responses.


#### **H. USEPA SRF Project Status Report**

United States Environmental Protection Agency State Revolving Funds (USEPA SRF)

- Projects listed below that are noted to be in the procurement phase will follow the “Percentage Key” below.

Percentage Key:

100%	Approved by GM
99%	Signature required from either Accounting/Legal/GM
98%	Processing engineering service or construction contract (with legal)
95%	Request for CCU approval (GM/engineering)
90%	A/E fee negotiation or contractor bid evaluation (engineering)
80%	Selected A/E or Conducted bid opening (engineering)
70%	Advertised RFP/IFB (engineering)
60%	RFP/IFB Package under legal review
50%	RFP/IFB Package completed (engineering)
Less than 50%	Project Scope of work development in progress

- Red text anywhere indicates a change from the last report.
- Cells highlighted in green  indicate contract amount certified and active project.

NOTE: Table below only reflects SRF projects that are still active. All other projects previously shown are on prior reports.

GWA Work Session - August 16, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/09/2022
3	Asan-Adelup-Hagatna Route 1 Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	2	12/11/2015	3/30/2017 for Design requirements	\$ 1,780,210.00	HDR	HDR assisting as needed.  Archaeological report to be done upon completion of Phase II by CoreTech/Hawaiian Dredging.
			Construction	2	11/9/2018	6/30/2021	\$6,275,783.00	InfraTech	CO no. 6 executed.  CO no. 7 signed.  CO no. 8 signed and sent to GWA for execution.
			Construction (Phase II)		1/26/2021	4/21/2023	\$ 8,742,000.00	CoreTech/Hawaiian Dredging	CO nos. 5–10 signed by CTHD and sent to GWA for signature.  CO nos. 11–13 signed by CTHD and sent to GWA for signature.  CO nos. 9–12 have been renumbered to remove original CO no. 9 for Surplus Materials until outstanding issues related to the approval of surplus materials are resolved. It shall be renumbered once resolved.  Final inspection held on 06/13. All deficiencies have since been corrected. Asphalt replacement to be scheduled after July festivities as per DPW.
			CM (Phase II)	2	8/3/2017	3/8/2020	\$ 870,610.41	DCA	Working with Contractor on schedule, submittals, responding to RFIs, and assisting in the negotiations of PCO costs. Fee proposal for CM services for Phase II submitted and accepted by GWA. CO to add CM for Phase II executed.
		GWA Chief Engineer	Project / Contract Management		1/22/2020	12/31/2021	\$ 476,050.00	B&C	Executed under the IDIQ contract, Task Order 3 (TO3) authorizes Brown and Caldwell to manage and complete the construction of Rte. 1 Sewer Line Rehabilitation and Replacement project in conformance to the contract requirements.  Amendment 1 to TO3 is executed to increase scope, cost and schedule to manage and complete the construction of Phase 2.  On 09/28/2021, the CCU approved resolution 29-FY2021 authorizing to process Amendment 2 to TO3 to increase time and funding to continue to manage and complete the construction project, and send a notification to the PUC.  Amendment 2 to TO 3 approved by Mr. Budasi on 12/15/2021. Approved Amendment sent to John Riegel.  CIPP lining is complete. Asphalt resurfacing and guard rail installation are the only punch list items to complete. Substantial completion was 06/13/2022.

GWA Work Session - August 16, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/09/2022
7	Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5)	G. Watson	Design	6	5/27/2016	2/28/2018 (for design only)	\$ 1,758,247.00	AECOM	Bid and Construction Support Services on hold until construction IFB is issued.
			Construction	4					Comments submitted to AECOM in May. AECOM is in the process of making revisions to the FINAL specifications and design plans for GWA to put out for bid. Complete bid package will be expected to be given to GWA by July.
		R. Diaz/B. Railey	CM	4			\$ 640,248.00	DCA	DCA was awarded the contract but GWA has not issued NTP until construction is approved.
8	Tumon Sewer Hot Spots	Brown & Caldwell	Design	7	6/24/2016	10/30/2017 for design only	\$ 572,089.00	TG Engineers	TGE to provide engineering services during bid process.
			Construction	See Project 15	12/1/2018	12/31/2019	See Project 15	See Project 15	To be procured.
			CM	See Project 15	5/31/2019	5/31/2020	See Project 15	Am Orient	Procurement 100%: Contract fully executed. CM services to be on hold until bidding restarted.



GWA Work Session - August 16, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/09/2022
14	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Talofofo)	Brown & Caldwell	Design				The design was previously completed under bond funding.		
			Construction	8	8/2/2016	February 2022	\$ 1,189,815.00	ProPacific	<p>Santa Rita</p> <ul style="list-style-type: none"> <li>• Archaeology – SHPO accepted proposed remedial actions along force main section with a couple of profile additions. Confirming with SHPO that our understanding meets their intentions. Waiting for a response from SHPO.</li> <li>• Task order amendments</li> <li>1) BC Amendment for contract extension through September 2022 and budget to cover archaeological field work approved by GWA.</li> <li>2) PPBC construction contract extension to February 2022. Seeking \$53k in standby time due to archaeological delay. Update?</li> <li>• Lift Station put into operation on 07/06/2022.</li> <li>• HES returned to Guam on 07/12 for commissioning and to provide training. Commissioning was not completed and is now pending to be scheduled.</li> </ul>
			CM	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	Closed out. Does USEPA need anything?
		GWA Chief Engineer	Project / Contract Management		6/17/2019	9/30/2021	\$ 269,228.00	B&C	<p>Executed under the IDIQ contract, Task Order 4 (TO4) authorizes Brown and Caldwell to manage and complete the construction of Southern SSES Sewer Rehabilitation Phase 2 project in conformance to the contract requirements.</p> <p>Amendments 1 and 2 to TO4 are executed to increase scope of work to include archaeological services, and increase contract time and funding to continue to manage and complete the construction project.</p> <p>Amendment 3 to TO4 is executed to extend completion date to 09/30/2021.</p> <p>On 09/28/2021, the CCU approved resolution 29-FY2021 authorizing to process Amendment 4 to TO4 to increase time and funding to continue to manage and complete the construction project, and send a notification to the PUC.</p> <p>Amendment 4 to TO 4 approved by Mr. Budasi on 12/15/2021. Approved Amendment sent to John Riegel.</p> <p>Amendment 5 submitted for GWA approval. This Amendment extends contract completion date and increases amount for archaeological monitoring.</p> <p>The lift station has been energized following DPW issuance of the occupancy permit and GPW installation of power meter. Commissioning to be re-scheduled for August 2022. Generator still forecasted to arrive on Guam in August.</p> <p>Working with contractor to add three items desired by GWA – concrete sidewalk, trash basket, hoist crane.</p> <p>Does GWA want a shade drape to cover the controls panels from rain/sun?</p>

GWA Work Session - August 16, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/09/2022
15	Tamuning Sewer Hot Spots	G. Gattoc	Design	10	9/9/2016	10/31/2017 (for design only)	\$ 663,629.00	TG Engineers	TGE to provide engineering support services during bid process and construction.
			Construction	9	1/30/2020	12/31/2020	\$ 1,093,955.87	Ian Corporation	Pending Work at Site #2 <ul style="list-style-type: none"> <li>• Clean-out ring/cover &amp; modified concrete collar installed by contractor on 06/30/2022, but without the presence of CM or GWA; Contractor to provide evidence of proper installation (construction photos, delivery receipt of replacement parts, etc.) along with an extended warranty of the work in lieu of remove &amp; replace.</li> <li>• CO no. 2 in process.</li> <li>• All construction field tests completed; pending reports.</li> <li>• Percentage of Completion: 56.47%</li> </ul>
			CM	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).
16	Talofofo Sewer Pump Stations (4 Stations)	G. Gattoc	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	5/29/2020	\$ 493,818.86	EMPSCO	<ul style="list-style-type: none"> <li>• Contractor delivered generators to GWA on 03/24/2022.</li> <li>• GWA to review submitted construction closeout documents/requirements for final completion; contractor working to complete final punchlist.</li> <li>• Resolution settlement of Liquidated Damages and contract time extension request ongoing.</li> <li>• Percentage of Completion: 88.64%</li> </ul>
			Construction	10	12/27/2018	5/29/2020	\$ 2,411,418.00	Giant Const.	<ul style="list-style-type: none"> <li>• GWA to review submitted construction closeout documents/requirements for Final Completion.</li> <li>• Resolution settlement of Liquidated Damages and contract time extension request ongoing.</li> <li>• Percentage of Completion: 88.64%</li> </ul>
			CM		12/1/2018	12/31/2019			GWA Engineering will manage construction management tasks.

GWA Work Session - August 16, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/09/2022
18	#18 Pressure Zone Realignment Construction-Phase I (Water Hydraulic Model Barrigada Service Area)	Barbara Cruz J. Mendiola/G. Yeoh	Design	12	8/3/2016	3/15/2017	\$ 523,268.00	GHD	Design complete.
			Construction (Phase I)	12	8/3/2016	6/30/2020	\$ 5,228,471.82	Sumitomo	<ul style="list-style-type: none"> <li>Carnation, Clara, and Ysengsong sites nearing completion. Pending electrical work/SCADA and inspection. Kaiser also nearing completion; pending work to abandon lines near the old Kaiser concrete reservoir. SCADA work is also ongoing at Astumbo. SCADA testing for Astumbo, Yigo, Carnation, Clara, Kaiser, and Ysengsong being conducted July through August.</li> <li>Terao and Maimai sites ongoing. Operations to confirm dates for Terao outages. The first Terao outage is now proposed for August 5. Field conditions discovered during excavation and issues filling the Mangilao Reservoirs are delaying this work.</li> <li>Change Order for additional line work and meter installation in Nimitz, Talofofo, and Asan offered to SMCC. Cost estimate received from SMCC and is being reviewed.</li> <li>Outage for Okkodo is on hold until Operations is able to perform the outage(s).</li> <li>All sites considered; the project is behind schedule. A change order is in the works to award additional work and time extensions.</li> <li>All PZR sites have work in progress (Ysengsong, Clara, Kaiser, Okkodo, Terao, Carnation, Maimai, Yigo Reservoir SCADA, Astumbo Reservoir SCADA).</li> </ul>
			CM		6/15/2019	6/30/2020			
23	Project Advertisement	Each IFB or RFP requires advertising	Engineering/Procurement	MISC	1		\$ 25,172.50	PDN/Post	Ongoing
24	Dungca Beach Sewer Improvements	R. Carino	Design			2/28/2021	\$ 594,735.28	GHD	<ul style="list-style-type: none"> <li>Phase I Trankilo Street - The design cost was received on 08/08/2022. GWA will review and recommend a change order.</li> <li>Phase II Lagoon Drive - Option no. 1 is to use the Right of Way to install a new Lift station, GWA is coordinating with Land Management. There is a 40-foot wide access documented as Wide Access Easement within Lot 2129#1REM-D-2 AND LOT 2129#1REM-D-3. However, within Lot 2129#1REM-D-1, it is only a "Reservation", not a full easement yet.</li> <li>Phase II Lagoon Drive - Option no. 2 is to purchase a small footprint of land to construct a new Lift station and was initially coordinated to the lot owner, Can Pacific. Letter of Interest was sent to the lot owner on 06/27/2022. Currently awaiting response.</li> <li>SHPO required a Reburial Monument when artifacts are found during construction. A Letter of Interest for the proposed location of reburial monument was emailed to the lot owner, Takagi San, on 06/27. Currently awaiting response. EPA is aware of potential requirement for additional land as advised by SHPO. GM to discuss this with Tom Konner of USEPA prior to further coordination with the lot owner.</li> <li>GWA (Encho) will pursue a request to SHPO to provide clear requirement or number of remains per unit of land prior to agreement.</li> <li>Design completion date will be extended. This is an anticipated change order.</li> </ul>

GWA Work Session - August 16, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/09/2022
25	Hagatna Sewer Pump Station Force Main	G. Gattoc	Design				\$603,951.14	GHD	<ul style="list-style-type: none"> <li>• Engineering met with GM and EPA on 06/09/2022 regarding the impacts of climate change study conducted by WERI and its implications on a design alternative selection.</li> <li>• GM is ready to decide on a single force main (FM) design by directional drilling crossing the bay towards the WWTP and the subsequent assessment/rehabilitation of the existing FM.</li> <li>• GWA GM asked Engineering to examine the viability of relocating Hagatna Main SPS in terms of land availability, existing elevations, etc.</li> <li>• Hagatna WWTP UV interim disinfection implementation deemed unfeasible.</li> <li>• Next progress meeting scheduled: TBD.</li> <li>• Percentage of Completion: 20%</li> </ul>
26	Fujita Sewer Pump Station Redundant Force Main	G. Gattoc	Design						<ul style="list-style-type: none"> <li>• AECOM submitted final proposal (04/29/2022), and sent to USEPA (05/03) for review and approval; USEPA approved (05/20).</li> <li>• Request for Approval submitted and GM approved (05/23).</li> <li>• Formal contract sent to AECOM (06/06); AECOM returned signed contract (06/10).</li> <li>• Formal contract signed by Legal (06/13); submitted to Finance for review and signature (06/13).</li> <li>• Once approved by Finance/GM, we forward NTP to AECOM and schedule project kickoff.</li> </ul>
27	2021 Well Rehab (A-28, M-14, D-15 & F-7)	J. Mendiola	Design						<ul style="list-style-type: none"> <li>• Procurement on hold until issues with A-series Wells are resolved.</li> </ul>
							\$ 73,764,297.38		



## Financial Statement Overview July 2022

### Key Financial Indicators

Indicator	Target	May 22	Jun 22	Jul 22
DSC YTD				
• Per Section 6.12 of Indenture	1.25	1.25	1.26	1.29
• Per PUC / CCU	1.40	1.25	1.26	1.29
Days – Cash on Hand	120 days	262 days	276 days	275 days
Collection Ratio				
• Month to Date	99%	94%	109%	82%
• Year to Date	99%	97%	98%	97%
Days Billed	30 days	29 days	30 days	32 days
Account Receivable Days	30 days	40 days	39 days	41 days
Account Payable Days	45 days	35 days	30 days	32 days
Employee Count	400 FTE	361 FTE	361 FTE	360 FTE
Water Demand				
• Month to Date	478,754	433,696	442,382	461,729
• Year to Date	4,787,542	3,499,841	3,942,223	4,403,952
Wastewater Flow				
• Month to Date	356,472	323,197	311,387	330,255
• Year to Date	3,564,723	2,554,170	2,865,557	3,195,014
Water Customers	42,839	43,320	43,281	43,420
Wastewater Customers	29,805	31,157	30,552	30,745

### Water and Wastewater Consumption

Water consumption is 5% more and wastewater flow is up 6% for the month of July compared to prior year. The increases in water consumption and wastewater flows are due to increases in the residential, commercial and hotel customer classes.

Year to Date (YTD) water demand is down 1% while wastewater flows are up by 2% compared to last year. Increases in the Commercial and GovGuam customer classes offset decreases in the Residential while the Hotel customer class is slightly up. Note that the number of YTD billing days through July 2022 of 302 days is 5 days more than the prior year's 297 days. See Schedule K for Water Demand for FY2015 to FY2022.

YTD average daily water consumption for July 2022 of 14,583 kGals is 3% lower than July 2021's 14,963 kgals. Increases in the commercial and GovGuam customer classes were not enough to offset decreases in the Hotel and Residential average daily water consumption.

### Balance Sheet (Schedule A)

- Total Assets & Deferred Outflows of Resources of \$1.23B in September 2021 decreased by \$11.5M or 1% in July 2022. Current Assets decreased by \$13.1M primarily due to decreases in federal receivables and restricted funds. Property, Plant and Equipment increased by \$33.7M due to increases in construction work in progress offset by increases in accumulated depreciation. Other Noncurrent Assets decreased by \$30.8 million as bond funds were used to pay contractors and debt service. Days Cash on



Hand was calculated at 275 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

- Liabilities & Deferred Inflow of Resources of \$920.0M in September 2021 decreased by \$25.9M or 3% to \$894.0M in July 2022 primarily due to reductions in contractors' payable, interest payables, and bonds.
- Accounts Receivable days in July and June 2022 were 41 days and 39 days respectively. Accounts Payable days were 32 days in July 2022, 2 days more than the 30 days in June 2022. 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 2022 of \$9.2M were 3% or \$327.0K less than budget of \$9.5M. July 2022 Total Operating Revenues is 6% or \$521.0K more than July 2021's \$8.6M.
- Total Year to Date Operating Revenues as of July 2022 of \$85.8M were 9% or \$9.0M less than the budget of \$94.8M. Total Year to Date Operating Revenues as of July 2022 were 2% or \$1.7M more than Year to Date Operating Revenues as of July 2021's \$84.1M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2022 and FY2021 Year to Date as of July as well as the revenue totals:

Customer Class	FY2022		FY2021	
o Residential	\$39,661,456	47.02%	\$40,766,748	49.60%
o Commercial	\$18,356,653	21.76%	\$17,098,849	20.80%
o Hotel	\$10,899,472	12.92%	\$10,750,108	13.08%
o Government of Guam	\$9,718,026	11.52%	\$8,271,162	10.06%
o Federal Government	\$5,238,409	6.21%	\$4,824,932	5.87%
o Agriculture, Golf Course, Irrigation	\$468,671	.56%	\$475,005	.58%
TOTALS	\$84,342,686	100.00%	\$82,186,803	100.00%

- Total Operating Expenses for July 2022 of \$8.1M were \$601.0K or 8% more than budget of \$7.5M. July 2022 Total Operating Expenses were 14% or \$960.0K more than July 2021's \$7.1M. The largest increase month over month was in power which increased by 74% or \$794.0K.
- Total Year to Date Operating Expenses as of July 2022 of \$76.7M were \$2.0M or 3% more than budget of \$74.7M. Total Year to Date Operating Expenses as of July 2022 were 11% or \$7.5M more than July 2021 YTD's \$69.2M. The largest increase year over year was due to power purchases which was \$4.4M more or more than half of the \$7.5M increase.
- Earnings from Operations for July 2022 of \$1.1M were 46% or \$928.0K less than the budget of \$2.0M and 29% or \$439.0K less than July 2021's \$1.5M. Change in Net Assets for July 2022 of \$2.6M was 6% or \$161.0K less than the \$2.8M budget and \$6.1M or 70% less than July 2021's \$8.7M. The decrease in the Change in Net Assets year over year was mostly due to the decrease in contributions from Federal Grants.



- Year to Date Earnings from Operations as of July 2022 of \$9.1M were 55% or \$11.0M less than the budget of \$20.1M and 39% or \$5.8M less than July 2021 YTD's \$14.9M. Year to Date Change in Net Assets as of July 2022 of \$14.5M was 48% or \$13.5M less than the \$27.9M budget and \$28.4M or 66% less than July 2021 YTD's \$42.9M.

#### **Cash Flow (Schedule F)**

As of July 2022, cash flows from operating activities were \$30.9M, the cash used in capital and financing activities were \$66.0M, and the cash from investing activities were \$36.0M resulting in an increase in cash of \$876.0K for the fiscal year.

#### **Customer Payments**

Despite the pandemic, while only 8% of payments are made in cash, more than a third of payments continue to be made in person. Beginning in August 2021, ratepayers were able to access one walkup window in Upper Tumon to make payments; 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 FY2022 (October through December), approximately 50% 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 – December 2021	160	\$649,270	\$13,055	2.01%
January – March 2022	177	\$753,282	\$15,146	2.01%
April - June 2022	186	\$766,544	\$15,412	2.01%
July 2022	69	\$310,921	\$6,251	2.01%

The new merchant service agreement will transfer credit card processing from Bank of Hawaii to First Hawaiian Bank (FHB). GWA Resolution 20-FY2022 authorized set up an FHB account to be used to deposit funds collected through this process. We are working with FHB to make the switch.

Since the suspension of disconnections for nonpayment was lifted, the Upper Tumon office has been open for payments on Saturdays. For the five Saturdays in July, 514 payments totaling \$83,928 were made towards GWA billings and 664 payments totaling \$220,286 were made for GPA.

For the month of July, Finance posted \$34,106 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 \$14,452 from eligible homeowners as part of the Guam Homeowners Assistance Fund (GHAFF). Furthermore, GWA posted \$2,801 payments from eligible Low Income Household Water Assistance Program. Note that the programs were on temporary hold and so the amounts paid were significantly less than previous months. Collections should pick back up as the programs recently reopened in August.

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

GPWA began to accept GSW payments. June 6, 2022. For the month of July, GWA accepted \$44,549 in GSW payments at the Upper Tumon Office. GWA will bill \$837 to GSW for processing fees.

#### **PUC Docket**



The GWA Comprehensive Review and Update of its Five-Year Financial Plan & Capital Improvement Program (Financial Plan Update) and related Rate Application Model (RAM) were delivered to the PUC as required on May 1, 2021. The stipulated analytical studies were previously provided to the PUC as required on March 31, 2021.

The ALJ issued his proposed order on May 12, 2022. GWA provided an initial response on May 26, 2022, and an official response on May 27, 2022. The PUC consultants provided a report and recommended rate decision and order on June 14, 2022. Informal discussion indicate the PUC hearing will be scheduled in September, but we are waiting for formal confirmation.

#### ***FY2022 & FY2023 Budget***

A request to modify the budget will be made once the PUC order on rates for FY2022 is issued. Because the order will be issued in September or later, it is anticipated that it will cover rates for FY2023 and FY2024. Due to the inaction by the PUC, a budget modification has been submitted for the CCU's consideration this month.

A budget update is issued monthly to the business unit managers to help them track and plan their expenditures based on the available budget.

GWA continues to monitor revenues and will adjust as needed to ensure continuity of services to our customers while keeping the safety of our staff the highest priority.

#### ***Rate Stabilization Fund***

CCU Resolution 11-FY2021 authorized the establishment of a Rate Stabilization Fund (RSF) as a mechanism for managing future uncertainties and risks as well as to promote predictable rates. In September 2021, GWA transferred the authorized \$11.4 million from GWA's Working Capital Reserves into the RSF. These funds were originally transferred into the Working Capital Reserves from the Working Capital Reserves for Debt Service per CCU Resolution 17-FY2020 which dissolved the Working Capital Reserves for Debt Service fund.

On January 25, 2022, CCU Resolution 06-FY2022 authorized transfers up to \$2 million from the RSF into the GWA general fund. Resolution 19-FY2022 authorized transfers from the RSF to the general fund by \$3.3 million for a total of up to \$5.3 million. An \$800K transfer was made at the end of July 2022, bringing total transfers to \$4.25 million. Due to inaction by the PUC, a request to increase the authorized RSF transfers has been submitted for the CCU's consideration this month along with the budget modification mentioned above.

#### ***FY22 Audit***

The only proposal was reviewed and deemed responsive and responsible, and a contract price agreed to. A noticed of conditional award was issued to Ernst & Young. GWA will work with the new auditors to ensure the audit is completed on schedule.

#### ***COVID Updates***

There were 3,434 COVID-19 positive tests and 8 COVID-related fatalities reported during the month of July. For the month of July 2022, the average daily positive test rate was 111 compared to the 97 daily average in June. Executive Order 2022-20 extended the public health emergency to September 4, 2022.

By the end of July 2022, 139,472 residents were fully vaccinated, 67,292 had received their first booster, and 10,982 had received a second booster. Incentives are being offered to residents who take their last dose in the primary series or receive a booster. There were 22 persons hospitalized for COVID at the end of July.

#### ***GVB Visitor Arrivals***

Visitor Arrivals for June 2022 increased 280.27% over June 2021, from 7,438 to 28,278. Fifty-eight percent of arrivals were from Korea and 25% originated from the United States. Calendar year arrivals were up 211.7% and fiscal year arrivals were up 220.2%. Free PCR COVID-19 testing will continue through September.





Hotels plan to increase employment in phases based on visitor demand. It is noted that Japan Airlines is planning to restart servicing Guam in August.

**GUAM WATERWORKS AUTHORITY**  
**July 31, 2022**  
**FINANCIAL AND RELATED REPORTS**  
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**GUAM WATERWORKS AUTHORITY**  
**Balance Sheet**  
**July 31, 2022**

**SCHEDULE A**

<b>ASSETS AND DEFERRED OUTFLOWS of RESOURCES</b>	<b>Unaudited July 31, 2022</b>	<b>Audited September 30, 2021</b>	<b>Increase (Decrease)</b>
<u><b>Current Assets</b></u>			
Cash			
Unrestricted (Schedule G)	35,921,526	35,044,630	876,896
Restricted Funds (Schedule G)	37,678,340	42,426,211	(4,747,871)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$10,340,953 at Jul 31, 2022 and \$8,584,821 at Sept 30, 2021	11,626,276	11,392,368	233,908
Federal Receivable	732,597	11,436,000	(10,703,403)
Other Receivable	2,192,074	1,002,328	1,189,746
Prepaid Expenses	797,929	849,867	(51,939)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Jul 31, 2022 and \$64,131 at Sept 30, 2021	4,380,670	4,284,336	96,333
<b>Total Current Assets</b>	<b>93,329,411</b>	<b>106,435,741</b>	<b>(13,106,331)</b>
<u><b>Property, Plant and Equipment</b></u>			
Utility plant in service			
Water system	418,750,333	415,123,284	3,627,048
Wastewater system	513,629,047	513,741,066	(112,019)
Non-utility property	33,302,480	33,051,603	250,877
<b>Total property</b>	<b>965,681,860</b>	<b>961,915,953</b>	<b>3,765,907</b>
Less: Accumulated Depreciation	(390,008,531)	(367,521,639)	(22,486,892)
Land	5,287,305	5,240,187	47,117
Construction Work in Progress	220,006,045	167,589,130	52,416,915
<b>Property, Plant and Equipment, net</b>	<b>800,966,679</b>	<b>767,223,632</b>	<b>33,743,048</b>
<u><b>Noncurrent assets</b></u>			
Restricted cash (Schedule G)	167,471,918	193,458,224	(25,986,306)
Investments (Schedule G)	62,853,759	67,678,709	(4,824,950)
<b>Total other noncurrent assets and deferred charges</b>	<b>230,325,677</b>	<b>261,136,933</b>	<b>(30,811,256)</b>
<b>Total Assets</b>	<b>1,124,621,767</b>	<b>1,134,796,306</b>	<b>(10,174,539)</b>
<b>Deferred outflows of resources</b>			
Regulatory assets	2,321,753	1,922,989	398,764
Debt defeasance due to bond refunding	29,572,652	31,286,637	(1,713,985)
Deferred outflows from pension	12,904,653	12,904,653	-
Deferred outflows from OPEB	48,780,079	48,780,079	-
<b>Total Assets and Deferred Outflows of Resources</b>	<b>1,218,200,903</b>	<b>1,229,690,663</b>	<b>(11,489,761)</b>
<b>LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS</b>			
<u><b>Current Liabilities</b></u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,990,000	-
Series 2014 Refunding Bond	555,000	555,000	-
Series 2016 Revenue Bond	4,055,000	4,055,000	-
Series 2017 Refunding Bond	2,145,000	2,145,000	-
Accounts Payable -Trade	4,079,017	2,652,457	1,426,560
Accrued and Other Liabilities	2,654,901	2,011,179	643,721
Interest Payable	2,561,786	7,324,101	(4,762,315)
Accrued Payroll and Employee Benefits	1,606,223	918,403	687,819
Current portion of employee annual leave	660,125	660,125	-
Contractors' Payable	12,744,355	25,847,832	(13,103,478)
Customer and Other Deposits	2,385,189	2,237,010	148,179
<b>Total Current Liabilities</b>	<b>36,436,595</b>	<b>51,396,108</b>	<b>(14,959,512)</b>
<u><b>Long Term Debt, less current maturities</b></u>			
Series 2013 Revenue Bond	18,520,000	21,510,000	(2,990,000)
Series 2014 Refunding Bond	63,500,000	64,055,000	(555,000)
Series 2016 Revenue Bond	130,920,000	134,975,000	(4,055,000)
Series 2017 Refunding Bond	101,035,000	103,180,000	(2,145,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	39,090,845	40,654,335	(1,563,490)
Net pension liability	56,364,779	56,364,779	-
Net OPEB obligation	106,433,894	106,433,894	-
Employee Annual Leave, Less Current Portion	1,185,813	1,185,813	-
Employee Sick Leave	1,339,208	1,339,208	-
<b>Total Liabilities</b>	<b>854,901,134</b>	<b>881,169,137</b>	<b>(26,268,002)</b>
<b>Deferred inflows of resources:</b>			
Contribution in Aid of Construction	571,729	244,720	327,009
Deferred inflows from pension	985,049	985,049	-
Deferred inflows from OPEB	37,575,154	37,575,154	-
<b>Total Liabilities and Deferred Inflows of Resources</b>	<b>894,033,066</b>	<b>919,974,060</b>	<b>(25,940,994)</b>
<b>Net Assets</b>	<b>324,167,836</b>	<b>309,716,603</b>	<b>14,451,233</b>
<b>Total Liabilities, Deferred Inflows of Resources and Net Assets</b>	<b>1,218,200,903</b>	<b>1,229,690,663</b>	<b>(11,489,761)</b>

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending July 31, 2022**

SCHEDULE B

	Month to Date Actual (Unaudited) July-22	Budget* July-22	Variance Favorable / (Unfavorable)
<b>OPERATING REVENUES</b>			
Water Revenues	5,725,123	5,863,373	(138,250)
Wastewater Revenues	2,980,108	3,226,426	(246,318)
Legislative Surcharge	269,044	274,214	(5,170)
Other Revenues	35,115	35,895	(779)
System Development Charge	141,177	77,442	63,735
<b>Total Operating Revenues</b>	<b>9,150,567</b>	<b>9,477,350</b>	<b>(326,783)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	493,953	571,438	77,484
Power Purchases	1,861,516	1,205,155	(656,361)
Total Utility Costs	2,355,469	1,776,593	(578,877)
Salaries and Wages	1,630,802	1,680,210	49,407
Pension and Benefits	612,877	696,002	83,125
Total Salaries and Benefits	2,243,679	2,376,212	132,533
Capitalized Labor and Benefits	(318,116)	(308,333)	9,783
Net Salaries and Benefits	1,925,563	2,067,879	142,316
<b>Administrative and General Expenses</b>			
Sludge removal	64,783	127,518	62,735
Chemicals	233,870	154,647	(79,223)
Materials & Supplies	90,013	169,912	79,899
Transportation	56,876	59,260	2,383
Communications	12,214	27,135	14,921
Claims	-	14,331	14,331
Insurance	147,927	82,972	(64,954)
Training & Travel	8,555	23,501	14,946
Advertising	4,100	11,583	7,483
Miscellaneous	93,301	119,179	25,878
Regulatory Expense	17,103	30,183	13,081
Bad Debts Provision	180,794	139,113	(41,681)
Total Administrative and General Expense	909,537	959,335	49,799
<b>Depreciation Expense</b>	<b>2,329,010</b>	<b>1,855,919</b>	<b>(473,091)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	115,886	126,287	10,400
Building rental	42,397	41,412	(986)
Equipment rental	27,066	53,236	26,171
Legal	-	-	-
Laboratory	5,000	61,535	56,535
Other	98,054	241,889	143,835
Total Contractual Expense	288,404	524,359	235,956
Retiree Supp. Annuities and health care costs	211,395	233,386	21,990
Contribution to Government of Guam	51,833	52,768	934
Total Retiree Benefits	263,229	286,153	22,925
<b>Total Operating Expenses</b>	<b>8,071,211</b>	<b>7,470,239</b>	<b>(600,972)</b>
<b>Earnings (Loss) from Operations</b>	<b>1,079,356</b>	<b>2,007,111</b>	<b>(927,755)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	222,385	128,299	94,085
Interest Income - Other Funds	30,034	29,550	484
Interest Income - SDC	1,745	2,488	(742)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,417,036)	(2,638,329)	221,294
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	(23,078)	179,427
Defeasance due to bond refunding	(171,398)	(22,439)	(148,960)
Prior Year Adjustment	(26,102)	-	(26,102)
Total non-operating revenues (expenses)	(2,204,023)	(2,523,508)	319,485
<b>Net Income (Loss) before capital contributions</b>	<b>(1,124,667)</b>	<b>(516,397)</b>	<b>(608,270)</b>
<b>Capital Contributions</b>			
Grants from US Government	3,757,879	3,311,071	446,807
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	3,757,879	3,311,071	446,807
<b>Change in Net Assets</b>	<b>2,633,212</b>	<b>2,794,675</b>	<b>(161,463)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,079,356	2,007,111	
System Development Charge	(141,177)	(77,442)	
Retiree COLA	51,833	52,768	
Interest/Investment Income	30,034	29,550	
Depreciation	2,329,010	1,855,919	
Plus withdrawals (deposits) to Rate Stabilization Fund	800,000	-	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>4,149,057</b>	<b>3,867,907</b>	
<b>Debt Service</b>			
Principal	812,083	772,500	
Interest	1,976,089	1,996,663	
<b>Total</b>	<b>2,788,172</b>	<b>2,769,163</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.49</b>	<b>1.40</b>	
<b>Debt Service Coverage (1.40X) inclusive of reserves (PUC)</b>	<b>1.49</b>	<b>1.40</b>	

\*Interim budget

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending July 30, 2022 and 2021**

SCHEDULE C

	Month to Date Actual (Unaudited) July-22	Actual (Audited) July-21	Variance Increase / (Decrease)
<b>OPERATING REVENUES</b>			
Water Revenues	5,725,123	5,358,900	366,223
Wastewater Revenues	2,980,108	2,693,468	286,640
Legislative Surcharge	269,044	246,174	22,870
Other Revenues	35,115	41,911	(6,795)
System Development Charge	141,177	288,640	(147,463)
<b>Total Operating Revenues</b>	<b>9,150,567</b>	<b>8,629,093</b>	<b>521,474</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	493,953	693,967	(200,014)
Power Purchases	1,861,516	1,067,955	793,561
Total Utility Costs	2,355,469	1,761,922	593,547
Salaries and Wages	1,630,802	1,577,709	53,093
Pension and Benefits	612,877	609,527	3,350
Total Salaries and Benefits	2,243,679	2,187,237	56,443
Capitalized Labor and Benefits	(318,116)	(302,527)	(15,589)
Net Salaries and Benefits	1,925,563	1,884,709	40,853
<b>Administrative and General Expenses</b>			
Sludge removal	64,783	103,958	(39,175)
Chemicals	233,870	138,360	95,510
Materials & Supplies	90,013	136,530	(46,517)
Transportation	56,876	32,554	24,322
Communications	12,214	7,979	4,236
Claims	-	12,116	(12,116)
Insurance	147,927	86,938	60,989
Training & Travel	8,555	499	8,056
Advertising	4,100	2,334	1,767
Miscellaneous	93,301	114,821	(21,520)
Regulatory Expense	17,103	8,958	8,144
Bad Debts Provision	180,794	165,491	15,302
Total Administrative and General Expense	909,537	810,538	98,999
<b>Depreciation Expense</b>	<b>2,329,010</b>	<b>2,141,736</b>	<b>187,274</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	115,886	63,318	52,568
Building rental	42,397	41,692	705
Equipment rental	27,066	12,653	14,413
Legal	-	-	-
Laboratory	5,000	28,990	(23,990)
Other	98,054	104,506	(6,452)
Total Contractual Expense	288,404	251,159	37,245
Retiree Supp. Annuities and health care costs	211,395	210,492	903
Contribution to Government of Guam	51,833	50,333	1,500
Total Retiree Benefits	263,229	260,826	2,403
<b>Total Operating Expenses</b>	<b>8,071,211</b>	<b>7,110,889</b>	<b>960,321</b>
<b>Earnings (Loss) from Operations</b>	<b>1,079,356</b>	<b>1,518,631</b>	<b>(439,274)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	222,385	2,456	219,929
Interest Income - Other Funds	30,034	1,187	28,848
Interest Income - SDC	1,745	363	1,382
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,417,036)	(2,441,367)	24,331
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	-	508,331	(508,331)
Amortization of Discount, Premium and Issuance Costs	156,349	156,349	-
Defeasance due to bond refunding	(171,398)	(172,097)	699
Prior Year Adjustment	(26,102)	(143,361)	117,258
Total non-operating revenues (expenses)	(2,204,023)	(2,088,139)	(115,884)
<b>Net Income (Loss) before capital contributions</b>	<b>(1,124,667)</b>	<b>(569,508)</b>	<b>(555,158)</b>
<b>Capital Contributions</b>			
Grants from US Government	3,757,879	9,293,992	(5,536,113)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	3,757,879	9,293,992	(5,536,113)
<b>Change in Net Assets</b>	<b>2,633,212</b>	<b>8,724,483</b>	<b>(6,091,272)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,079,356	1,518,631	
System Development Charge	(141,177)	(288,640)	
Retiree COLA	51,833	50,333	
Interest/Investment Income	30,034	1,187	
Depreciation	2,329,010	2,141,736	
Plus withdrawals (deposits) to Rate Stabilization Fund	800,000	-	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>4,149,057</b>	<b>3,423,247</b>	
<b>Debt Service</b>			
Principal	812,083	772,500	
Interest	1,976,089	1,847,251	
<b>Total</b>	<b>2,788,172</b>	<b>2,619,751</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.49</b>	<b>1.31</b>	
<b>Debt Service Coverage (1.40X) (PUC)</b>	<b>1.49</b>	<b>1.31</b>	

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending July 31, 2022**

SCHEDULE D

	Year to Date Actual (Unaudited) July-22	Budget* July-22	Variance Favorable / (Unfavorable)
<b>OPERATING REVENUES</b>			
Water Revenues	53,940,354	58,633,732	(4,693,378)
Wastewater Revenues	27,901,245	32,264,257	(4,363,011)
Legislative Surcharge	2,501,087	2,742,142	(241,055)
Other Revenues	398,215	358,948	39,267
System Development Charge	1,077,268	774,420	302,848
<b>Total Operating Revenues</b>	<b>85,818,168</b>	<b>94,773,498</b>	<b>(8,955,330)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	5,164,228	6,035,477	871,249
Power Purchases	14,553,819	11,783,135	(2,770,684)
Total Utility Costs	19,718,047	17,818,612	(1,899,436)
Salaries and Wages	15,879,960	16,802,095	922,135
Pension and Benefits	6,101,202	6,960,025	858,823
Total Salaries and Benefits	21,981,163	23,762,120	1,780,957
Capitalized Labor and Benefits	(2,679,051)	(3,083,333)	(404,282)
Net Salaries and Benefits	19,302,111	20,678,787	1,376,675
<b>Administrative and General Expenses</b>			
Sludge removal	596,869	1,205,606	608,738
Chemicals	1,523,857	1,515,562	(8,295)
Materials & Supplies	1,418,875	1,746,879	328,004
Transportation	554,194	592,339	38,145
Communications	126,436	293,177	166,741
Claims	60,923	139,655	78,732
Insurance	1,003,339	829,724	(173,615)
Training & Travel	45,541	213,063	167,522
Advertising	47,845	112,954	65,108
Miscellaneous	1,037,999	1,151,583	113,584
Regulatory Expense	175,326	301,833	126,507
Bad Debts Provision	1,688,162	1,391,132	(297,030)
Total Administrative and General Expense	8,279,367	9,493,507	1,214,140
<b>Depreciation Expense</b>	<b>23,153,735</b>	<b>18,559,193</b>	<b>(4,594,542)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	1,160,609	1,265,538	104,929
Building rental	423,973	414,117	(9,856)
Equipment rental	319,733	538,636	218,903
Legal	285,586	7,200	(278,386)
Laboratory	183,410	630,026	446,617
Other	1,238,552	2,447,952	1,209,399
Total Contractual Expense	3,611,863	5,303,469	1,691,606
Retiree Supp. Annuities and health care costs	2,132,922	2,333,857	200,935
Contribution to Government of Guam	518,333	518,465	132
Total Retiree Benefits	2,651,255	2,852,322	201,066
<b>Total Operating Expenses</b>	<b>76,716,379</b>	<b>74,705,890</b>	<b>(2,010,490)</b>
<b>Earnings (Loss) from Operations</b>	<b>9,101,789</b>	<b>20,067,608</b>	<b>(10,965,819)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	355,966	1,282,994	(927,028)
Interest Income - Other Funds	54,244	295,504	(241,261)
Interest Income - SDC	7,049	24,875	(17,826)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(24,534,088)	(26,383,292)	1,849,204
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	(191,873)	-	(191,873)
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	1,563,490	(230,775)	1,794,265
Defeasance due to bond refunding	(1,713,985)	(224,386)	(1,489,599)
Prior Year Adjustment	131,550	-	131,550
Total non-operating revenues (expenses)	(24,327,647)	(25,235,079)	907,432
<b>Net Income (Loss) before capital contributions</b>	<b>(15,225,858)</b>	<b>(5,167,471)</b>	<b>(10,058,387)</b>
<b>Capital Contributions</b>			
Grants from US Government	29,677,091	33,110,714	(3,433,623)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	29,677,091	33,110,714	(3,433,623)
<b>Change in Net Assets</b>	<b>14,451,233</b>	<b>27,943,243</b>	<b>(13,492,011)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	9,101,789	20,067,608	
System Development Charge	(1,077,268)	(774,420)	
Retiree COLA	518,333	518,465	
Interest/Investment Income	54,244	295,504	
Depreciation	23,153,735	18,559,193	
Plus withdrawals (deposits) to Rate Stabilization Fund	4,250,000	-	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>36,000,833</b>	<b>38,666,351</b>	
<b>Debt Service</b>			
Principal	8,120,833	7,725,000	
Interest	19,760,891	19,966,625	
<b>Total</b>	<b>27,881,724</b>	<b>27,691,625</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.29</b>	<b>1.40</b>	
<b>Debt Service Coverage (1.40X) inclusive of reserves (PUC)</b>	<b>1.29</b>	<b>1.40</b>	

\*Interim budget

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending July 31, 2022 and 2021**

SCHEDULE E

	Actual (Unaudited) July-22	Year to Date Actual (Audited) July-21	Variance Increase / (Decrease)
<b>OPERATING REVENUES</b>			
Water Revenues	53,940,354	53,800,281	140,073
Wastewater Revenues	27,901,245	25,962,615	1,938,630
Legislative Surcharge	2,501,087	2,423,907	77,180
Other Revenues	398,215	413,509	(15,295)
System Development Charge	1,077,268	1,497,699	(420,431)
<b>Total Operating Revenues</b>	<b>85,818,168</b>	<b>84,098,011</b>	<b>1,720,157</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	5,164,228	5,494,951	(330,723)
Power Purchases	14,553,819	10,141,142	4,412,677
Total Utility Costs	19,718,047	15,636,093	4,081,954
Salaries and Wages	15,879,960	15,608,026	271,935
Pension and Benefits	6,101,202	5,963,618	137,584
Total Salaries and Benefits	21,981,163	21,571,644	409,519
Capitalized Labor and Benefits	(2,679,051)	(3,053,842)	374,791
Net Salaries and Benefits	19,302,111	18,517,801	784,310
<b>Administrative and General Expenses</b>			
Sludge removal	596,869	1,269,827	(672,958)
Chemicals	1,523,857	1,255,030	268,827
Materials & Supplies	1,418,875	1,157,641	261,235
Transportation	554,194	370,026	184,168
Communications	126,436	123,688	2,748
Claims	60,923	67,706	(6,783)
Insurance	1,003,339	796,715	206,624
Training & Travel	45,541	27,680	17,862
Advertising	47,845	63,124	(15,278)
Miscellaneous	1,037,999	982,494	55,505
Regulatory Expense	175,326	264,529	(89,203)
Bad Debts Provision	1,688,162	1,643,256	44,906
Total Administrative and General Expense	8,279,367	8,021,715	257,652
<b>Depreciation Expense</b>	<b>23,153,735</b>	<b>21,343,083</b>	<b>1,810,652</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	1,160,609	941,261	219,349
Building rental	423,973	414,049	9,924
Equipment rental	319,733	222,470	97,264
Legal	285,586	-	285,586
Laboratory	183,410	242,970	(59,561)
Other	1,238,552	1,259,846	(21,294)
Total Contractual Expense	3,611,863	3,080,595	531,268
Retiree Supp. Annuities and health care costs	2,132,922	2,101,264	31,658
Contribution to Government of Guam	518,333	503,333	15,000
Total Retiree Benefits	2,651,255	2,604,598	46,658
<b>Total Operating Expenses</b>	<b>76,716,379</b>	<b>69,203,885</b>	<b>7,512,494</b>
<b>Earnings (Loss) from Operations</b>	<b>9,101,789</b>	<b>14,894,126</b>	<b>(5,792,337)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	355,966	24,301	331,664
Interest Income - Other Funds	54,244	10,229	44,014
Interest Income - SDC	7,049	11,989	(4,940)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(24,534,088)	(25,003,786)	469,699
Interest Expense - ST BOG	-	-	-
Contributions from Federal Government	-	188,768	(188,768)
Federal Expenditures	-	(130,939)	130,939
Loss on Asset Disposal	(191,873)	28,991	(220,864)
AFUDC	-	5,085,371	(5,085,371)
Amortization of Discount, Premium and Issuance Costs	1,563,490	1,561,740	1,750
Defeasance due to bond refunding	(1,713,985)	(1,720,970)	6,985
Prior Year Adjustment	131,550	96,817	34,733
Total non-operating revenues (expenses)	(24,327,647)	(19,847,489)	(4,480,158)
<b>Net Income (Loss) before capital contributions</b>	<b>(15,225,858)</b>	<b>(4,953,363)</b>	<b>(10,272,495)</b>
<b>Capital Contributions</b>			
Grants from US Government	29,677,091	47,842,035	(18,164,944)
Grants from GovGuam & Others	-	7,106	(7,106)
Total Capital Contributions	29,677,091	47,849,140	(18,172,050)
<b>Change in Net Assets</b>	<b>14,451,233</b>	<b>42,895,778</b>	<b>(28,444,545)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	9,101,789	14,894,126	
System Development Charge	(1,077,268)	(1,497,699)	
Retiree COLA	518,333	503,333	
Interest/Investment Income	54,244	10,229	
Depreciation	23,153,735	21,343,083	
Plus withdrawals (deposits) to Rate Stabilization Fund	4,250,000	-	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>36,000,833</b>	<b>35,253,072</b>	
<b>Debt Service</b>			
Principal	8,120,833	7,725,000	
Interest	19,760,891	18,472,514	
<b>Total</b>	<b>27,881,724</b>	<b>26,197,514</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.29</b>	<b>1.35</b>	
<b>Debt Service Coverage (1.40X) (PUC)</b>	<b>1.29</b>	<b>1.35</b>	

**SCHEDULE F**
**Guam Waterworks Authority**  
**Statement of Cash Flows (Unaudited)**  
**FY2022**
**YTD**  
**Jul-22**
**Cash flows from operating activities:**

Cash received from trade and others	82,455,769
Cash payments to suppliers/contractors for goods and services	(27,568,220)
Cash payments to employees for services	(23,944,599)
<b>Net cash provided by operating activities</b>	<b>30,942,950</b>

**Cash flows from capital and related financing activities:**

Contributed capital received (grants)	40,380,494
Acquisition of utility plant	(67,513,082)
Repayment of Long Term Debt	(9,594,505)
Interest expense	(29,315,348)
<b>Net cash provided by (used in) capital and related financing activities</b>	<b>(66,042,440)</b>

**Cash flows from investing activities:**

Transfers from (to) restricted fund	35,559,128
Interest income received	417,259
<b>Net cash provided by investing activities</b>	<b>35,976,386</b>

Net increase (decrease) in cash 876,896

Unrestricted cash at beginning of the period 35,044,630

**Unrestricted cash at end of period 35,921,526**

Reconciliation of operating loss to net cash provided by operating activities:

<b>Operating Income (loss)</b>	<b>9,101,789</b>
Adjustments to reconcile to net cash provided by operating activities:	
Depreciation expense	23,153,735
Bad debts (recovery)	1,688,162
Capitalized labor and benefits	(2,679,051)
Recovery of provision for inventory obsolescence	-
Non-cash pension costs	-
(Increase) decrease in assets:	
Accounts receivable	(3,111,816)
Materials and supplies inventory	(96,333)
Prepaid expenses	51,939
Regulatory Assets	(398,764)
Increase (decrease) in liabilities:	
Accounts payable	1,426,560
Accrued payroll and employee benefits	687,819
Customer deposits	148,179
Other liabilities	970,730
<b>Net cash provided by operating activities</b>	<b>30,942,950</b>



**GUAM WATERWORKS AUTHORITY**  
**Restricted and Unrestricted Cash Summary**  
**FY2022**

**SCHEDULE G**

Description	Unaudited July 31, 2022	Audited September 30, 2021	Increase (Decrease)
<b>UNRESTRICTED</b>			
Change Fund	2,000	2,000	-
Petty Cash	3,930	4,430	(500)
BOG Deposit Accounts	14,414,427	11,783,670	2,630,757
BOG O & M Reserve	13,878,688	13,863,240	15,448
BOG CapEx Fund	7,622,480	9,391,290	(1,768,810)
<b>Sub-total Unrestricted</b>	<b>35,921,526</b>	<b>35,044,630</b>	<b>876,896</b>
<b>RESTRICTED</b>			
ANZ Bank	998	1,374	(376)
Bank Pacific	16,620	13,720	2,900
Bank of Hawaii	193,264	187,857	5,407
Community First FCU	3,104	2,897	206
First Hawaiian Bank	12,936	28,808	(15,873)
Bank Pacific Surcharge	576,452	346,165	230,287
Bank Pacific Escrow Deposit	857,776	905,936	(48,160)
BOG Customer Refunds	2,295,363	2,101,144	194,219
BOG Emergency Reserve Fund	6,246	6,245	(0)
BOG Sewer Hookup Revolving Fund	63,939	61,318	2,622
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	588,633	902,327	(313,694)
BOG Revenue Trust Fund	6,810,575	7,604,696	(794,121)
BOG Capital Improvement Revenue Fund	8,218,425	6,017,960	2,200,465
BOG Rate Stabilization Fund	7,150,000	11,400,000	(4,250,000)
First Hawaiian Bank	100	-	100
	<b>29,877,912</b>	<b>32,663,929</b>	<b>(2,786,018)</b>
BOG - SDC Deposit	2,050,427	4,512,282	(2,461,854)
BOG - SDC CDs	5,750,000	5,250,000	500,000
<b>Total SDC</b>	<b>7,800,427</b>	<b>9,762,282</b>	<b>(1,961,854)</b>
<b>Total Restricted</b>	<b>37,678,340</b>	<b>42,426,211</b>	<b>(4,747,872)</b>
<b>Reserve Funds</b>			
BOG Series 2013 Construction Fund	4,256,544	4,566,711	(310,167)
BOG Series 2016 Construction Fund	40,098,348	56,620,524	(16,522,176)
BOG Series 2017 Refunding Construction Fund	4,126,607	4,368,640	(242,033)
BOG Series 2020A Construction Fund	118,989,177	122,317,770	(3,328,594)
BOG Series 2020A Capitalized Interest Fund	1,242	5,584,579	(5,583,337)
<b>Total Restricted - Held by Trustee</b>	<b>167,471,918</b>	<b>193,458,224</b>	<b>(25,986,306)</b>
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	690,987	1,396,665	(705,678)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	703,695	1,048,078	(344,383)
USB Series 2014 Refunding Debt Service Reserve Fund	7,760,897	7,736,844	24,054
USB Series 2016 Debt Service Fund	701,482	2,816,611	(2,115,129)
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	-	31,558	(31,558)
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	670,585	1,903,114	(1,232,529)
USB Series 2020A Debt Service Fund	560,345	-	560,345
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	492,708	1,472,780	(980,072)
<b>Total Investments</b>	<b>62,853,759</b>	<b>67,678,709</b>	<b>(4,824,950)</b>
<b>Total Restricted and Unrestricted Cash</b>	<b>303,925,542</b>	<b>338,607,774</b>	<b>(34,682,233)</b>

Guam Waterworks Authority  
Accounts Receivable - Government (Active)  
July 31, 2022

## SCHEDULE H

A G I N G							
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total
<b>Autonomous Agencies (Active)</b>							
Guam Int'l Airport Authority	8	17,824	13,284	60	60	262,391	293,618
Guam Power Authority	25	57,896	62,327	-	-	-	120,223
Port Authority of Guam	5	35,937	-	-	-	-	35,937
Guam Housing & Urban Renewal Authority	9	4,993	3,874	-	-	-	8,867
Guam Solid Waste Authority	4	752	846	79	0	-	1,678
Guam Housing Corporation	1	38	-	-	-	-	38
<b>Total Autonomous Agencies</b>	<b>52</b>	<b>117,440</b>	<b>80,331</b>	<b>139</b>	<b>60</b>	<b>262,391</b>	<b>460,361</b>
<b>Semi-Autonomous Agencies (Active)</b>							
Guam Memorial Hospital Authority	3	42,907	41,358	34,056	1,247	13,856	133,423
University of Guam	48	7,459	-	-	-	-	7,459
Guam Environmental Protection Agency	2	374	-	-	-	-	374
<b>Total Semi-Autonomous Agencies</b>	<b>53</b>	<b>50,740</b>	<b>41,358</b>	<b>34,056</b>	<b>1,247</b>	<b>13,856</b>	<b>141,256</b>
<b>Line Agencies (Active)</b>							
Department of Education	52	436,237	389,932	259,857	58,380	30	1,144,436
Department of Parks & Recreation	15	47,581	50,549	70	20,212	-	118,412
Department of Corrections	9	71,557	-	-	-	-	71,557
Department of Public Works	10	24,006	13,969	5,348	-	-	43,323
Department of Chamorro Affairs	7	20,631	-	-	-	-	20,631
Guam Fire Department	11	6,375	5,298	1,005	-	-	12,679
Department of Military Affairs/GUARNG	1	4,634	5,754	-	-	-	10,388
Department of Agriculture	7	7,048	2,562	0	-	-	9,610
Guam Police Department	9	7,720	1,161	219	187	-	9,287
Office of the Governor	2	6,963	-	-	-	-	6,963
Department of Public Health & Social Services	9	3,375	1,261	1,080	-	-	5,716
Department of Mental Health and Substance	4	3,167	1,850	-	-	-	5,017
Guam Veterans Affairs Office	2	1,114	-	-	-	-	1,114
Guam Energy Office	1	271	274	197	199	-	941
Department of Youth Affairs	3	926	-	-	-	-	926
Department of Customs & Quarantine	1	428	428	-	-	-	856
Guam Visitors Bureau	2	561	-	-	-	-	561
Guam Public Library	6	487	29	-	-	-	516
Department of Administration	3	259	106	-	-	-	365
Guam Homeland Security/Civil Defense	1	309	-	-	-	-	309
Office of Technology	1	174	45	-	-	-	219
							-
<b>Total Line Agencies</b>	<b>156</b>	<b>643,823</b>	<b>473,217</b>	<b>267,777</b>	<b>78,978</b>	<b>30</b>	<b>1,463,825</b>
<b>Other Government of Guam Entities (Active)</b>							
Mayors Council of Guam	62	20,217	11,742	346	22	-	32,328
Merizo Mayor	1	97	76	47	96	-	316
The Office of the Dededo Mayor	1	154	159	-	-	-	313
Agat Mayor's Office	1	26	26	-	-	-	52
							-
							-
<b>Total Other Government of Guam Entities</b>	<b>65</b>	<b>20,495</b>	<b>12,003</b>	<b>393</b>	<b>118</b>	<b>-</b>	<b>33,008</b>
<b>Total as of July 31, 2022 (Active)</b>	<b>326</b>	<b>832,497</b>	<b>606,909</b>	<b>302,366</b>	<b>80,403</b>	<b>276,276</b>	<b>2,098,450</b>

Guam Waterworks Authority  
Accounts Receivable - Government (Inactive)

## GWA Work Session - August 16, 2022 - GM REPORT

GUAM WATERWORKS AUTHORITY  
Accounts Receivable Aging Summary by Rate Class  
As of July 31, 2022

SCHEDULE I

## ACTIVE AND INACTIVE

Rate Class	A G I N G							
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	438	\$ 2,487,018	\$ 684,097	\$ 302,573	\$ 80,473	\$ 570,275	\$ 4,124,436	19%
Agriculture	417	20,531	5,631	2,055	688	33,177	62,082	0%
Commercial I	2,679	1,230,436	164,923	75,072	27,635	559,468	2,057,533	9%
Commercial II	35	256,610	24,217	-	3,147	2,675	286,649	1%
Commercial III	302	457,882	39,496	24,498	21,116	348,594	891,586	4%
Golf Course	16	5,647	-	-	-	-	5,647	0%
Hotel	58	1,603,400	171,832	29,670	21,428	884,500	2,710,830	12%
Irrigation	34	4,070	1,460	1,506	333	1,979	9,348	0%
Residential	49,226	4,947,972	730,903	409,562	262,421	5,468,257	11,819,115	54%
	<b>53,205</b>	<b>11,013,566</b>	<b>1,822,559</b>	<b>844,936</b>	<b>417,241</b>	<b>7,868,925</b>	<b>21,967,228</b>	<b>100%</b>
		50%	8%	4%	2%	36%		
Less Allowance for Doubtful Accounts: (10,340,953)								
Net Accounts Receivable: 11,626,275								

Days Receivables Outstanding 41

As of June 30, 2022

Rate Class	A G I N G							
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	437	\$ 2,620,712	\$ 315,186	\$ 86,146	\$ 1,929	\$ 568,406	\$ 3,592,379	18%
Agriculture	415	29,748	6,628	1,461	822	33,145	71,804	0%
Commercial I	2,674	1,227,727	42,551	68,348	30,953	549,244	1,918,823	9%
Commercial II	35	251,757	55	3,188	299	2,676	257,976	1%
Commercial III	303	485,358	133,725	22,643	40,317	326,316	1,008,358	5%
Golf Course	16	4,372	-	-	-	-	4,372	0%
Hotel	58	1,466,010	32,214	39,265	29,175	880,481	2,447,144	12%
Irrigation	34	4,421	1,675	386	222	1,758	8,462	0%
Residential	49,072	4,305,986	732,076	366,121	284,631	5,347,288	11,036,103	54%
	<b>53,044</b>	<b>10,396,090</b>	<b>1,264,111</b>	<b>587,559</b>	<b>388,348</b>	<b>7,709,313</b>	<b>20,345,421</b>	<b>100%</b>
		51%	6%	3%	2%	38%		
Less Allowance for Doubtful Accounts: (10,158,002)								
Net Accounts Receivable: 10,187,419								

Days Receivables Outstanding 40

## ACTIVE ONLY

Rate Class	A G I N G							
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	433	\$ 1,868,551	\$ 608,780	\$ 302,366	\$ 80,403	\$ 558,279	\$ 3,418,378	21%
Agriculture	393	20,517	5,631	1,933	555	4,965	33,601	0%
Commercial I	2,481	1,224,846	162,324	74,100	21,916	303,438	1,786,624	11%
Commercial II	35	256,610	24,217	-	3,147	2,675	286,649	2%
Commercial III	285	454,500	39,431	24,244	20,854	289,853	828,882	5%
Golf Course	16	5,647	-	-	-	-	5,647	0%
Hotel	55	1,603,400	171,832	29,670	21,428	289,372	2,115,702	13%
Irrigation	33	4,070	1,460	1,506	333	684	8,053	0%
Residential	40,156	4,906,575	672,778	364,967	205,178	1,519,004	7,668,503	47%
	<b>43,887</b>	<b>10,344,716</b>	<b>1,686,454</b>	<b>798,786</b>	<b>353,813</b>	<b>2,968,270</b>	<b>16,152,039</b>	<b>100%</b>
		64%	10%	5%	2%	18%		

Less Allowance for Doubtful Accounts: (10,340,953)  
Net Accounts Receivable: 5,811,086

As of June 30, 2022

Rate Class	A G I N G							
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	435	\$ 2,620,712	\$ 314,979	\$ 86,076	\$ 390	\$ 557,949	\$ 3,580,105	23%
Agriculture	391	29,748	6,507	1,327	720	4,985	43,288	0%
Commercial I	2,483	1,226,029	41,861	62,657	23,652	309,963	1,664,161	11%
Commercial II	35	251,757	55	3,188	299	2,676	257,976	2%
Commercial III	288	485,291	133,471	22,382	39,542	268,350	949,036	6%
Golf Course	16	4,372	-	-	-	-	4,372	0%
Hotel	55	1,466,010	32,214	39,265	29,175	285,352	1,852,016	12%
Irrigation	33	4,421	1,675	386	222	463	7,166	0%
Residential	40,135	4,245,567	693,187	312,198	205,922	1,469,213	6,926,086	45%
	<b>43,871</b>	<b>10,333,907</b>	<b>1,223,948</b>	<b>527,479</b>	<b>299,921</b>	<b>2,898,951</b>	<b>15,284,206</b>	<b>100%</b>
		68%	8%	3%	2%	19%		

Less Allowance for Doubtful Accounts: (10,158,002)  
Net Accounts Receivable: 5,126,204

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

**SCHEDULE J**

<u>As of</u>	<u>AGING</u>							<u>Days Payable Outstanding</u>
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days	Total		
<b>July 31, 2022</b>	\$ 3,381,698 83%	\$ 370,335 9%	\$ 84,241 2%	\$ 56,261 1%	\$ 186,501 5%	<b>\$ 4,079,036</b> <b>100%</b>		32
<b>June 30, 2022</b>	\$ 3,111,217 88%	\$ 35,804 1%	\$ 99,315 3%	\$ 12,249 0%	\$ 266,946 8%	<b>\$ 3,525,531</b> <b>100%</b>		30
<b>May 31, 2022</b>	\$ 3,808,392 85%	\$ 281,016 6%	\$ 126,158 3%	\$ 28,475 1%	\$ 262,863 6%	<b>\$ 4,506,905</b> <b>100%</b>		35

GUAM WATERWORKS AUTHORITY  
WATER DEMAND BY RATE CLASS  
FY2015 - FY2022

SCHEDULE K

CLASS	METER SIZE	AUDITED							UNAUDITED		
		FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	FY2022 ANNUALIZED CONSUMPTION (kGal)*	% Inc / (Dec.)
R	Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	3,712,723	11%	3,622,617	3,481,827	-4%
C	Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	-9%	786,054	821,548	5%
F	Federal	1,168	1,180	2,508	1,813	1,602	1,338	-16%	2,069	1,405	-32%
G	Government	515,974	475,366	448,430	450,165	405,980	408,502	1%	404,026	456,813	13%
H	Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	-34%	448,034	444,309	-1%
G	Golf	6,850	6,770	5,252	2,741	2,793	5,835	109%	2,855	3,796	33%
A	Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	-7%	68,805	69,746	1%
I	Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	<u>8,654</u>	10%	<u>5,404</u>	<u>5,298</u>	-2%
GRAND TOTAL		<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	<u>5,757,733</u>	-2%	<u>5,339,864</u>	<u>5,284,742</u>	-1%

\*FY2022 is annualized for 10 months.

**Guam Waterworks Authority**  
**System Development Charges Project Status**  
**As of July 31, 2022**

**SCHEDULE L**

**Funding Summary**

Total available project funds	\$ 15,895,801
Total project expenditures and encumbrances	11,267,652
Total unobligated project funds	<b>\$ 4,628,150</b>

**Projects Funded**

<b>Project Description</b>	<b>Expenditures</b>	<b>Outstanding Encumbrances</b>	<b>Expenditures and Encumbrances</b>
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,151,116	2,854	1,153,971
Central Guam Reservoirs	274,240	5,800	280,040
Line Replacement Phase IV	256,937	-	256,937
Northern District WWTP	3,908,853	2,390,857	6,299,709
Northern District WWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	519,227	74,641	593,869
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofofo Sewer Improvement	-	241,142	241,142
Umatac Merizo WWTP	-	0	0
Groundwater Well Production Meter Rep.	113,543	37,664	151,207
	<b>\$ 8,509,979</b>	<b>\$ 2,757,673</b>	<b>\$ 11,267,652</b>

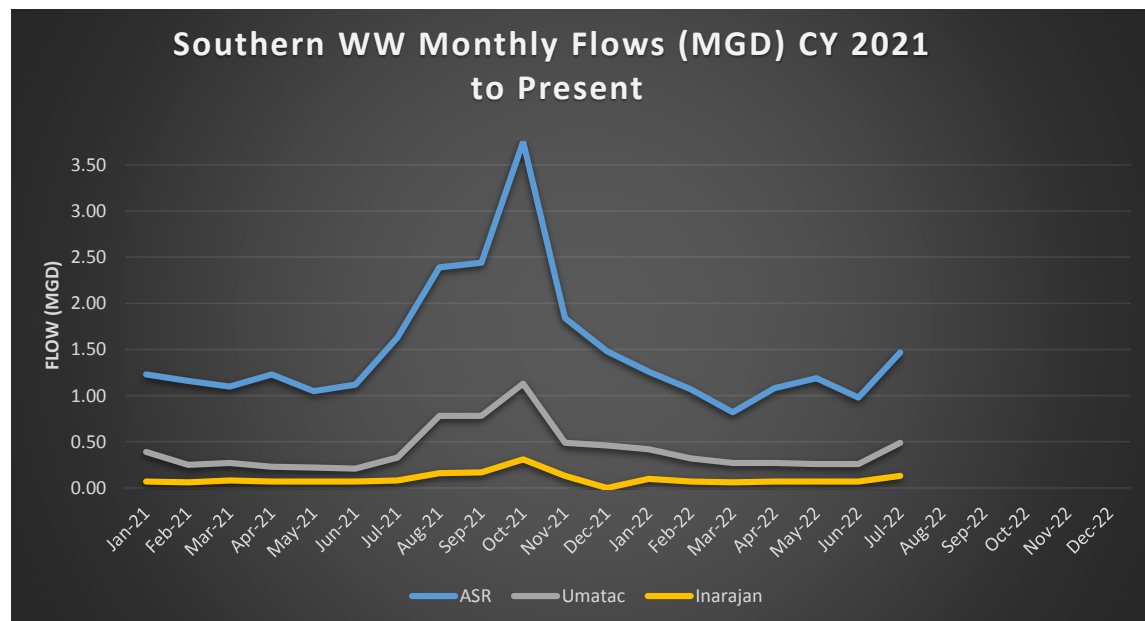
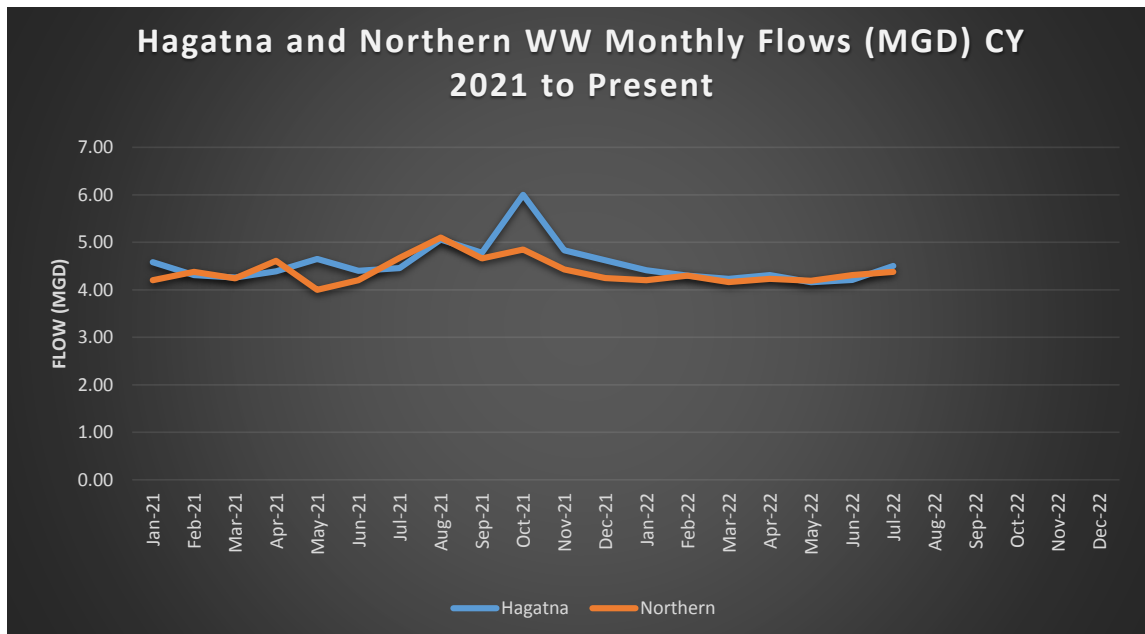
**Future planned projects**

**FY 2022-2025**

Water Distribution System Pipe Replacement & Upgrades	1,500,000
Capacity Enhancement - Well Development and Construction Program	394,000
Well Repair Program	200,000
	<b>\$ 2,094,000</b>

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

2021	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-21	4.58	4.20	1.23	0.39	0.07
Feb-21	4.31	4.38	1.16	0.25	0.06
Mar-21	4.26	4.24	1.10	0.27	0.08
Apr-21	4.39	4.61	1.23	0.23	0.07
May-21	4.65	4.00	1.05	0.22	0.07
Jun-21	4.40	4.20	1.12	0.21	0.07
Jul-21	4.46	4.67	1.63	0.33	0.08
Aug-21	5.06	5.10	2.39	0.78	0.16
Sep-21	4.78	4.66	2.44	0.78	0.17
Oct-21	6.00	4.85	3.75	1.13	0.31
Nov-21	4.83	4.43	1.84	0.49	0.13
Dec-21	4.62	4.25	1.48	0.46	0.00
<b>2021 Average MGD</b>	<b>4.70</b>	<b>4.47</b>	<b>1.70</b>	<b>0.46</b>	<b>0.11</b>
<b>2021 Total MGY</b>	<b>1,715</b>	<b>1,630</b>	<b>623</b>	<b>169</b>	<b>39</b>
2022	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-22	4.41	4.20	1.26	0.42	0.10
Feb-22	4.30	4.30	1.07	0.32	0.07
Mar-22	4.23	4.16	0.82	0.27	0.06
Apr-22	4.31	4.23	1.08	0.27	0.07
May-22	4.16	4.19	1.19	0.26	0.07
Jun-22	4.21	4.31	0.98	0.26	0.07
Jul-22	4.50	4.38	1.47	0.49	0.13
Aug-22					
Sep-22					
Oct-22					
Nov-22					
Dec-22					
<b>2022 Average MGD</b>	<b>4.30</b>	<b>4.25</b>	<b>1.12</b>	<b>0.33</b>	<b>0.11</b>
<b>2022 Total MGY</b>	<b>912</b>	<b>901</b>	<b>239</b>	<b>70</b>	<b>17</b>

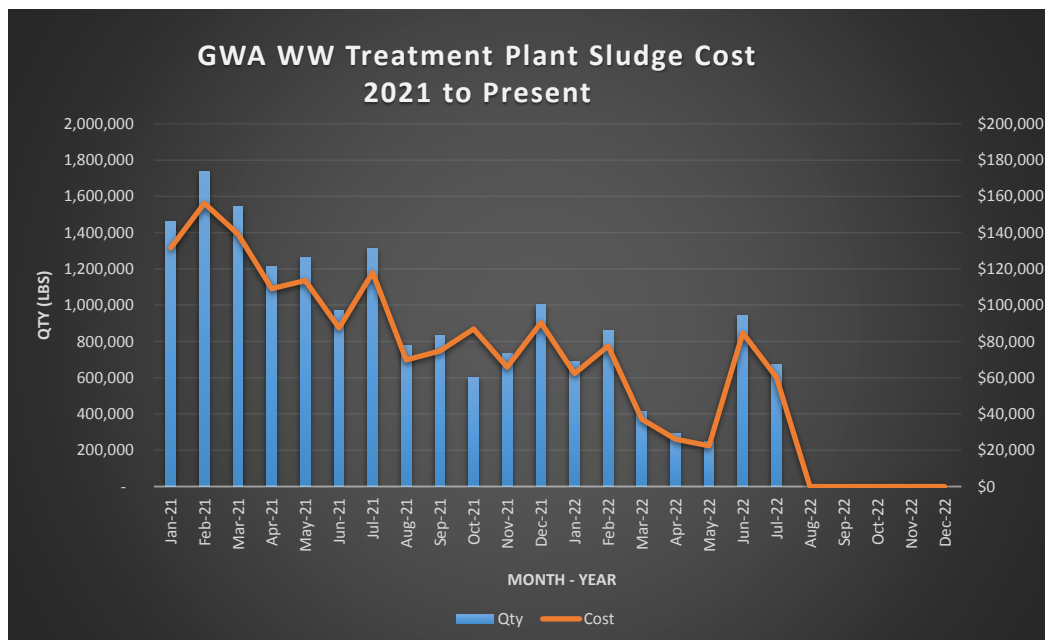
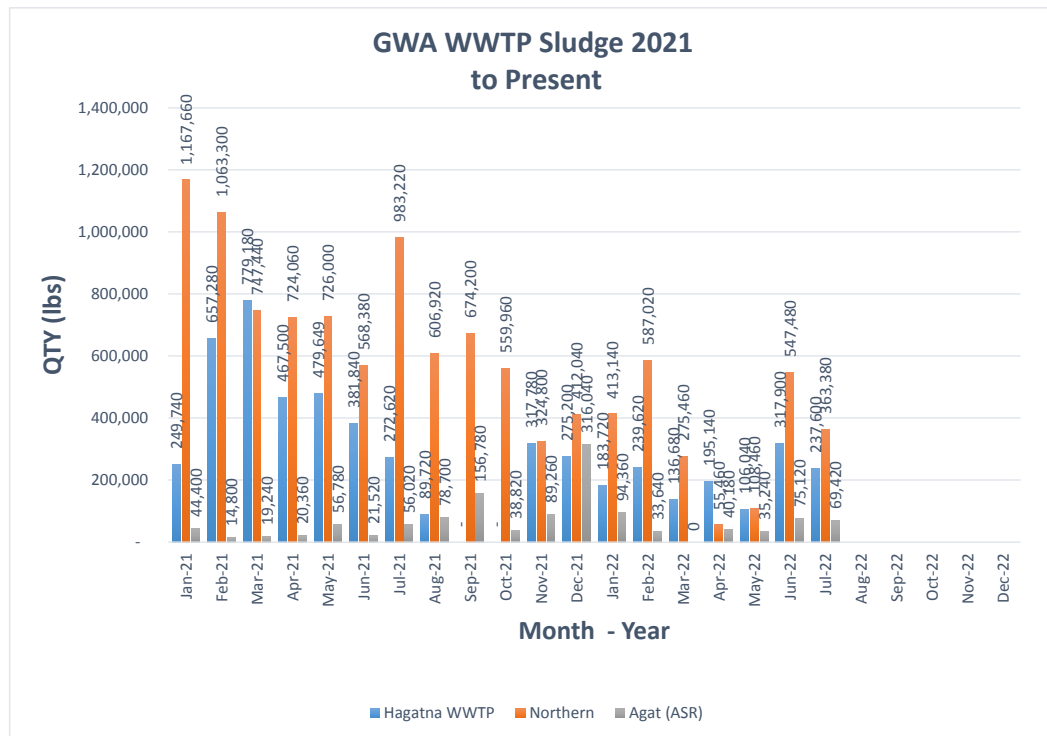





GWA Work Session - August 16, 2022 - GM REPORT

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2021	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-21	249,740	\$22,477	1,167,660	\$105,089	44,400	\$3,996	1,461,800	\$131,562
Feb-21	657,280	\$59,155	1,063,300	\$95,697	14,800	\$1,332	1,735,380	\$156,184
Mar-21	779,180	\$70,126	747,440	\$67,270	19,240	\$1,732	1,545,860	\$139,127
Apr-21	467,500	\$42,075	724,060	\$65,165	20,360	\$1,832	1,211,920	\$109,073
May-21	479,649	\$43,168	726,000	\$65,340	56,780	\$5,110	1,262,429	\$113,619
Jun-21	381,840	\$34,366	568,380	\$51,154	21,520	\$1,937	971,740	\$87,457
Jul-21	272,620	\$24,536	983,220	\$88,490	56,020	\$5,042	1,311,860	\$118,067
Aug-21	89,720	\$8,075	606,920	\$54,623	78,700	\$7,083	775,340	\$69,781
Sep-21	-	\$0	674,200	\$60,678	156,780	\$14,110	830,980	\$74,788
Oct-21	-	\$0	559,960	\$50,396	38,820	\$36,477	598,780	\$86,873
Nov-21	317,780	\$28,600	324,800	\$29,232	89,260	\$8,033	731,840	\$65,866
Dec-21	275,200	\$24,768	412,040	\$37,084	316,040	\$28,444	1,003,280	\$90,295
<b>Grand Total</b>	<b>3,970,509</b>	<b>\$357,346</b>	<b>8,557,980</b>	<b>\$770,218</b>	<b>912,720</b>	<b>\$115,128</b>	<b>13,441,209</b>	<b>\$1,242,692</b>

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2022	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-22	183,720	\$16,535	413,140	\$37,183	94,360	\$8,492	691,220	\$62,210
Feb-22	239,620	\$21,566	587,020	\$52,832	33,640	\$3,028	860,280	\$77,425
Mar-22	136,680	\$12,301	275,460	\$24,791	0	\$0	412,140	\$37,093
Apr-22	195,140	\$17,563	55,460	\$4,991	40,180	\$3,616	290,780	\$26,170
May-22	106,040	\$9,544	108,460	\$9,761	35,240	\$3,172	249,740	\$22,477
Jun-22	317,900	\$28,611	547,480	\$49,273	75,120	\$6,761	940,500	\$84,645
Jul-22	237,600	\$21,384	363,380	\$32,704	69,420	\$6,248	670,400	\$60,336
Aug-22		\$0		\$0		\$0	-	\$0
Sep-22		\$0		\$0		\$0	-	\$0
Oct-22		\$0		\$0		\$0	-	\$0
Nov-22		\$0		\$0		\$0	-	\$0
Dec-22		\$0		\$0		\$0	-	\$0
<b>Grand Total</b>	<b>1,416,700</b>	<b>\$127,503</b>	<b>2,350,400</b>	<b>\$211,536</b>	<b>347,960</b>	<b>\$31,316</b>	<b>4,115,060</b>	<b>\$370,355</b>



Guam Waterworks Authority				Date: 7/29/2022 Time:		<div></div> WATER DISTRIBUTION FACILITIES REPORT								
REVIEWS														
TOTAL PUMPS INSTALLED		56		OVERALL AVERAGE		97%								
TOTAL PUMPS OPERATIONAL		54		% OF OPERATING PUMPS		96%								
TOTAL BOOSTER PUMP STATIONS		27												

NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
Northern District													
1	Yigo	30	3	3	100%	OP	A						
2	Savinero	20	2	2	100%	OP	A						
3	Mataquac	25	2	1	50%	OP	A	Pump 1 motor burnt. PO issued to JMI for new motor. Station currently undergoing renovation. Only one pump left in operation at this time.					
4	Santa Rosa	15	1	1	100%	OP	A						
5	Hyundai	40	2	2	100%	OP	A						
6	Chin, Palawan	60	2	2	100%	N/A	A						
7	Access	60	2	2	100%	OP	A						
8	Apapa Heights	30	3	3	100%	N/A	A						
9	Nimitz Hill	1.5	1	1	100%	N/A	A						
10	Adawag	1.5	1	1	100%	N/A	A						
11	Pale Kiren	1	2	2	100%	N/A	A						
12	Unisa-Umlagan	1	2	2	100%	OP	A						
13	Late Heights	15	2	2	100%	OP	A						
TOTAL = 13			25	24	96%								
Central District													
1	Pago	150 / 100	3	3	100%	OP	A						
2	Broadway	60 / 20	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	3	100%	OP	A	Pump 3 installed.					
4	Santa Rita Spring	40	2	2	100%	OP	A						
5	Santa Rita (Lower)	25	2	2	100%	N/A	A						
6	Camacho	1.5	1	1	100%	N/A	A						
7	Penning	1.5	1	1	100%	N/A	A						
TOTAL= 7			15	15	100%								
Southern District													
1	Malajoi Line	125 / 50	3	2	67%	OP	A	Pump 3 motor burnt; repairs ongoing. Note: Pump 1 operational, pending mechanical seal replacement.					
2	Saus	7.5	3	3	100%	OP	A						
3	Piqua	7.5	2	2	100%	N/A	A						
4	Topuan	25	1	1	100%	OP	A	Only one pump left installed due to station renovation.					
5	WBSP-2	25	2	2	100%	OP	A						
6	WBSP-1	5	2	2	100%	OP	A						
7	Malajoi Elevated	15	2	2	100%	OP	A						
TOTAL= 7			16	15	94%								

pump availability =no of operational pumps/no of pumps\*100%




**Guam Waterworks Authority**  
**VEHICLE FLEET STATUS**  
**6/3/2022**

EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage
Backhoe (Leased)	3	3	0	100%
Dump Truck (Leased)	3	3	0	100%
Trailer (Leased)	3	3	0	100%
Backhoe	3	1	2	33%
Boom Truck	1	0	1	0%
Crane	1	1	0	100%
Dump Truck	1	1	0	100%
Forklift	6	6	0	100%
Fuel Tanker	1	1	0	100%
Heavy Duty	12	11	1	92%
Hoist Rig	1	1	0	100%
Jetter	1	0	1	0%
Light	160	112	48	70%
Mini Backhoe	4	0	4	0%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	3	2	60%
Tractor	2	2	0	100%
Tractor Mower	1	1	0	100%
Trailer	17	13	4	76%
Trencher	1	0	1	0%
Vacuum Truck	5	2	3	40%
Water Buffalo	2	2	0	100%
Water Tanker	6	4	2	67%
Compressor	1	1	0	100%
Total	242	171	71	

SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
3	0	0	0	0	0	0
3	0	0	0	0	0	0
0	1	0	0	2	0	0
0	0	0	0	0	0	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
6	0	0	0	0	0	0
1	0	0	0	0	0	0
11	0	0	0	1	0	0
1	0	0	0	0	0	0
0	0	0	0	0	1	0
106	6	3	14	11	10	10
0	0	0	0	2	0	2
0	0	0	0	0	1	0
0	0	0	0	1	0	0
3	0	0	0	0	0	2
1	1	0	0	0	0	0
1	0	0	0	0	0	0
13	0	1	0	3	0	0
0	0	0	0	1	0	0
1	1	0	1	0	2	0
2	0	0	0	0	0	0
3	1	0	0	0	2	0
1	0	0	0	0	0	0
160	11	4	15	21	16	15

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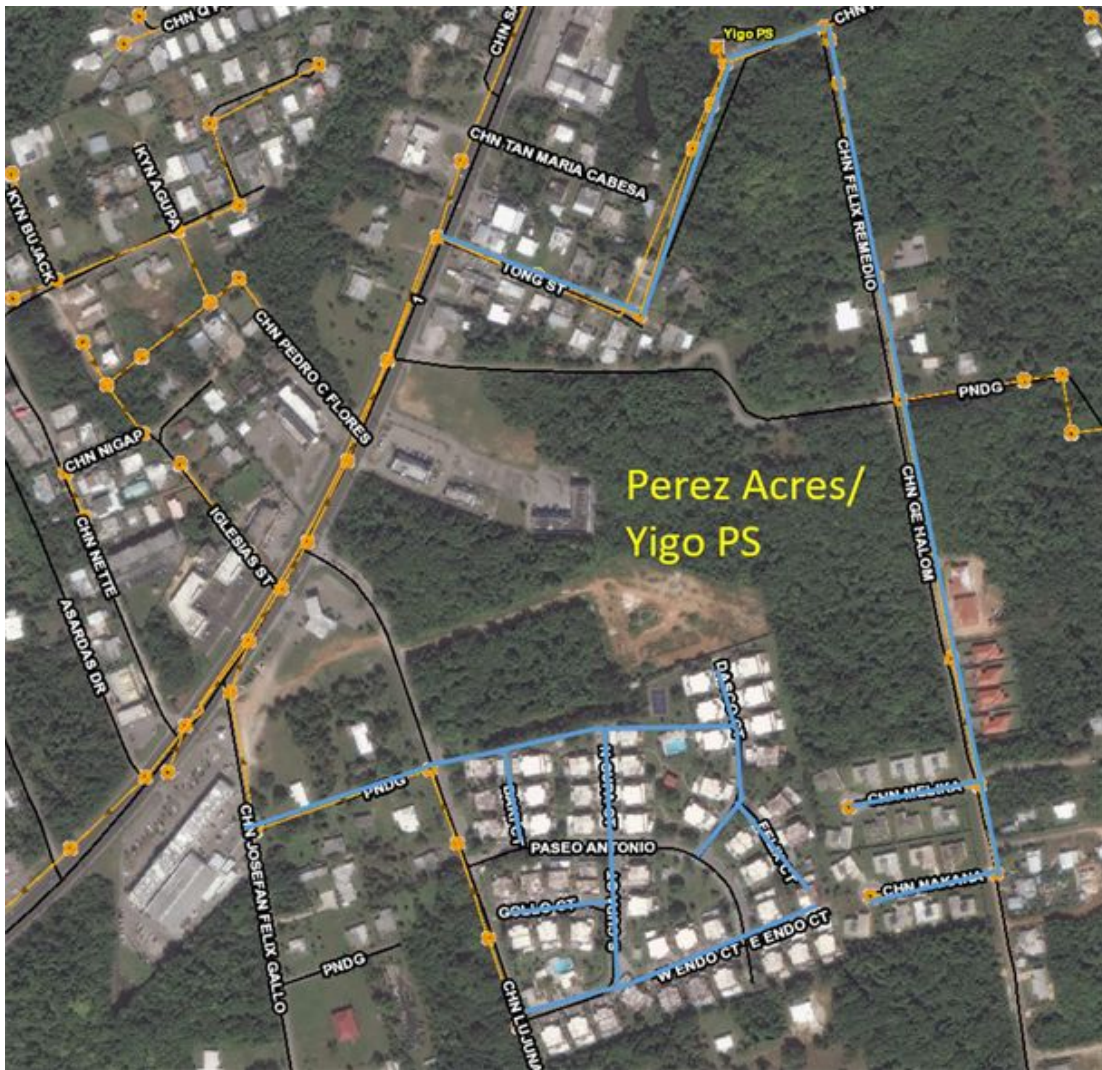
Guam Waterworks Authority				Date: 8/9/2022		<div></div> <div>WASTEWATER FACILITIES REPORT</div>											
REVIEWS																	
TOTAL PUMPS INSTALLED		181		OVERALL AVERAGE												89%	
TOTAL PUMPS OPERATIONAL		162		% OF OPERATING PUMPS												90%	
TOTAL PUMP STATIONS		82															
Northern District																	
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES				
1	SOUTHERN LINK	1	4	4	100%	GPA	A	Pump #4 is on standby and will be used for emergencies as per plan									
2	FUJITA	1	4	3	75%	GPA	A	Pump #2 was installed but impeller was pitted and worn. Removed impeller from #4 and placed it on #2. Pump #4 secured due to impeller needed.	WO #1282459				PO 501487 2-3 months, order was sent out by vendor				
3	YPAO	1	2	2	100%	GPA	A										
4	PASEO DE ORO	1	2	2	100%	GPA	A										
5	HARMON	2	2	1	50%	GPA	A	6-2-22, pump #2 was removed and brought to maintenance due to water was found in the dry chamber.	WO 1290412				PO 501516 (pending approval)				
6	ROUTE 16	1	4	3	75%	GPA	M	P#3 secured due to damaged wear plate and defective check valve. P#4 secured due to VFD issues. Pump can still operate manually but not on auto mode.					OR 50082 check valve OR 50487 wear plate				
7	LATTE DOUBLE TROUBLE	1	2	1	50%	GPA	A	12-2-21, pump #1 was removed and brought to maintenance due to broken impeller and bearing issue	WO 1249603				OR 52746 (pending PO)				
8	LATTE SUN RISE	2	2	2	100%	GPA	A										
9	LATTE SUBMARINE	2	2	2	100%	GPA	A										
10	LATTE PLANTATION	2	2	2	100%	GPA	A										
11	PGD	2	2	1	50%	GPA	A	pump 2 was removed and brought to maintenance due to open windings.	WO 1270274				PO 501386 (pending approval)				
12	MACHECHE	2	2	2	100%	GPA	A										
13	HAFA ADAI	2	2	2	100%	GPA	A										
14	YPAOPAO	1	3	2	67%	GPA	N/A	9-2-21, Pump #3 was removed due to pump was grounded. Pump at vendor, pending repairs	WO 1240839				PO 500903 3-4 weeks, pump was put on hold due to severity of other stations				
15	PACIFIC LATTE	2	2	2	100%	GPA	A										
16	YIGO	1	3	2	67%	GPA	A	Pump #1 was removed and brought to maintenance due to low insulation on windings. Pump #3 on standby. No data plate to confirm FLA.					PO 501348 4-5 weeks, parts are being ordered				
17	ZERO DOWN	2	2	2	100%	GPA	A										
18	SANTA ANA	2	2	2	100%	GPA	A										
19	MACHANAONAO	1	2	2	100%	GPA	N/A										
20	FEMA 96	2	2	2	100%	GPA	A										
21	ASTUMBO 1	2	2	2	100%	GPA	A										
22	ASTUMBO 2	2	2	2	100%	GPA	A										
Total	22		52	45	87%												

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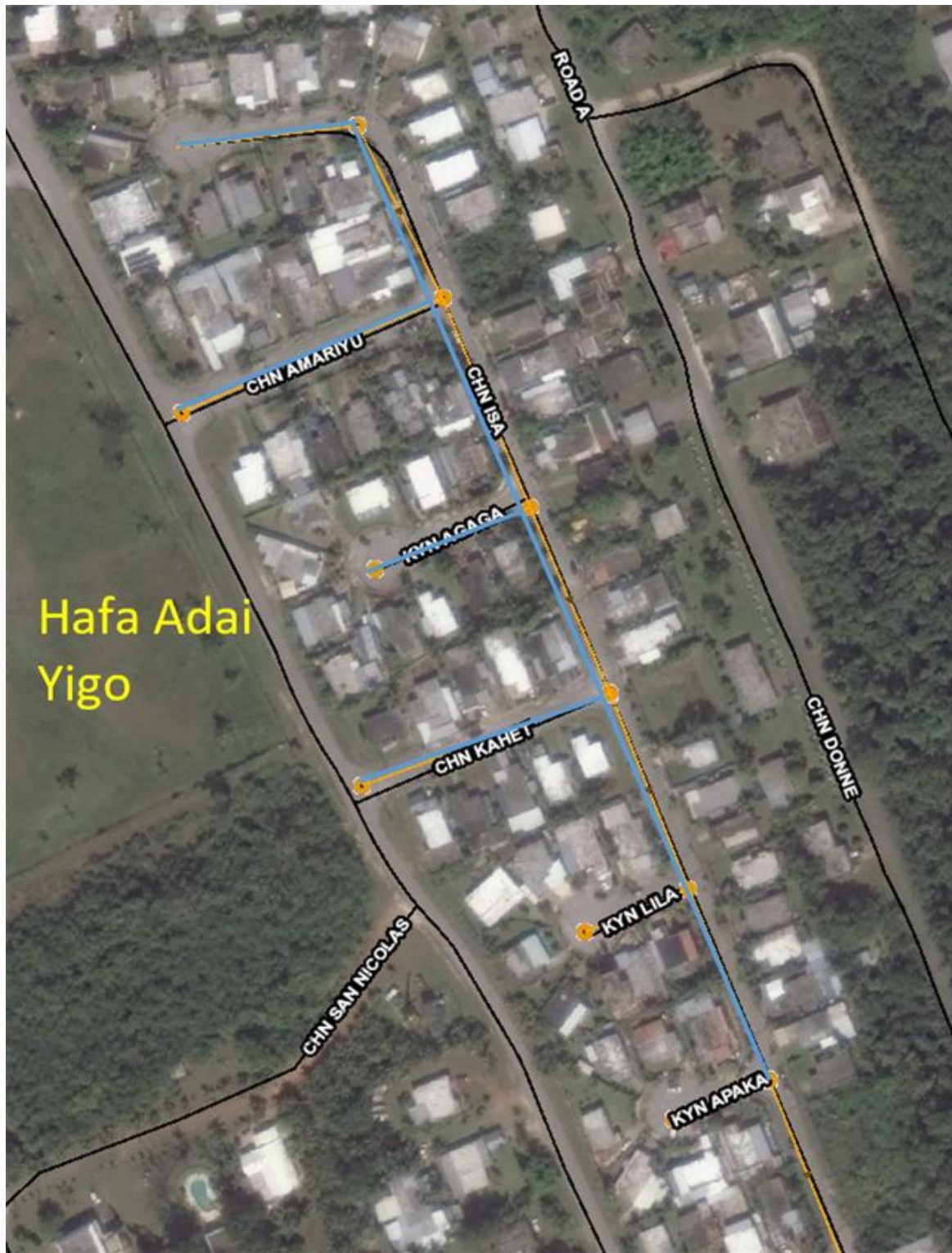
Central District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	M						
2	COMMERCIAL PORT	1	3	3	100%	OP	A						
3	PITI	1	2	2	100%	GPA	A						
4	ASAN	1	2	2	100%	GPA	A						
5	SINAJANA	2	2	2	100%	GPA	A						
6	NEW CHAOT	1	3	1	33%	OP	A	Pump #2 was removed and brought to maintenance due to broken pump shaft. Pump #1 was removed due to low megger and needs rewinding	WO #1266707 WO #1301918				PO 501547 (pending approval)
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	2	100%	OP	A						
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	2	100%	INOP	A						
12	DOUBLE SHAFT	1	3	2	67%	OP	A	Pump 2 removed due to impeller broke/Shaft worn				Bid was awarded to JMI. ETA date 4/1/22. Pushed to June 2022.	Pumps arrived 7/8/22. Maintenance prepping for installation.
13	NAMU	2	1	1	100%	OP	A						
14	TAI MANGILAO	1	3	2	67%	GPA	A	Pump #2 was removed and brought to maintenance due to mechanical seal issue. Pending disconnection from electrician for removal.	WO #1285248				PO 501491 (pending approval)
15	MANGILAO	1	2	2	100%	GPA	A			Breaker for sump pump is defective			
16	FIDIAN	2	2	2	100%	GPA	A	Pump #1 is secured due to oring on duct foot keeps coming out. Need to order from manufacturer.	WO 1234258				
17	LEYANG	2	2	1	50%	OP	A	Pump #2 was removed and brought to vendor fro repairs due to seal failure.	WO 1240816				PO 500975 3-5 weeks, pending parts
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	2	100%	OP	A						
20	DAIRY	1	2	2	100%	INOP	A						
21	BARRIGADA	1	2	2	100%	GPA	A						
22	TOTO GARDENS	2	2	2	100%	INOP	A						
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	2	100%	Portable	A			GPA RELOCATED GENERATOR			
25	MAITE	2	2	2	100%	GPA	A						
26	BAYSIDE	2	1	1	100%	INOP	A						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	3	100%	OP	A						
29	Agana Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned					
Total	29		63	57	90%								

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Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	3	75%	OP	MAN	Pump#2 is at vendor pending repairs due to seal failure.	(69044)#2-WO 1264613	#2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from Southern Link for #5			VFDs replacement (OR 51690 pending OQ) PO 501056 ETA 2-3 weeks for pump
2	PUMP STATION #11	2	2	2	100%	INOP	AUTO						
3	PUMP STATION #12	1	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	1	50%	OP	AUTO	Pump#2 was removed and dropped to vendor for repairs due to motor was grounded.	WO 1235765				PO 500986 2-4 weeks
5	PUMP STATION #15	1	2	2	100%	INOP	AUTO			Pump #1 defective hourly meter.	20-05-1208		Generator Secured By GPA 4/18/20 due to Oil Leak.
6	PUMP STATION #16	2	2	2	100%	OP	AUTO						
7	PUMP STATION #17	2	2	2	100%	OP	AUTO						
8	PUMP STATION #18	2	2	2	100%	OP	AUTO						
9	INARAJAN MAIN	1	2	2	100%	OP	AUTO						
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO						
11	TALAFOFO	1	2	2	100%	OP	AUTO		SUMP PUMP 20-01-0733	6-6-19 Exhaust blower for wet well is defective and needs replacement. Requested for electricians to relocate the existing blower unit at the old Agat treatment plant wet well and install it at Talofofo.		OQ 37914 & 37915 was submitted for replacement of blower fans and ventilation duct.	Sump pumps OR 50370 (pending OQ)
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALIGAN	2	2	2	100%	OP	MAN						
14	EJECTOR #2	2	2	2	100%	PORTABLE /INOP	NA						
15	EJECTOR #3	2	2	2	100%	PORTABLE /INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	2	100%	PORTABLE/INOP	NA	#1 on standby due to defective valve and wire upgrades.					
18	EJECTOR #6	2	2	2	100%	PORTABLE/INOP	NA						
19	EJECTOR #7	2	2	2	100%	PORTABLE/INOP	NA						
20	NORTH REYES	2	2	1	50%	PORTABLE/INOP	NA	Pump #1 was removed due to defective bearing issue.	WO 1236235				OR 52756 (pending PO)
21	LEYON #3 (DianDan)	2	2	2	100%	OP	MAN						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	2	67%	OP	AUTO	S/N 66066 just received from vendor, currently at maintenance pending impeller. 66067 was removed due to seal failure.	WO #1274069	PO 501097 for impellers ETA August 2022			PO 501235 3-5 weeks, pending parts
25	Windward Hills	1	3	2	67%	OP	AUTO	Spare (61107) is at vendor, pending mechanical seal. Pump #3 (61106) was removed due to seal failure	WO 1268583 WO 1302317	PO 501369 for valves (pending approval)			PO 501095 ETA 2 weeks / OR 52733 (pending PO)
26	Aplacho	1	3	2	67%	OP	AUTO	Pump #3 was removed due to damaged wiring	WO 1267740				PO 501522 (pending approval)
27	Ladera #1	2	2	2	100%	PORTABLE	MAN						
28	Ladera #2	2	2	2	100%	PORTABLE	MAN						
29	Ayuyu	2	2	2	100%	PORTABLE	MAN						
30	Tenorio	2	2	2	100%	PORTABLE	MAN						
31	Taltague	2	2	2	100%	PORTABLE	MAN						
	31		66	60	91%								

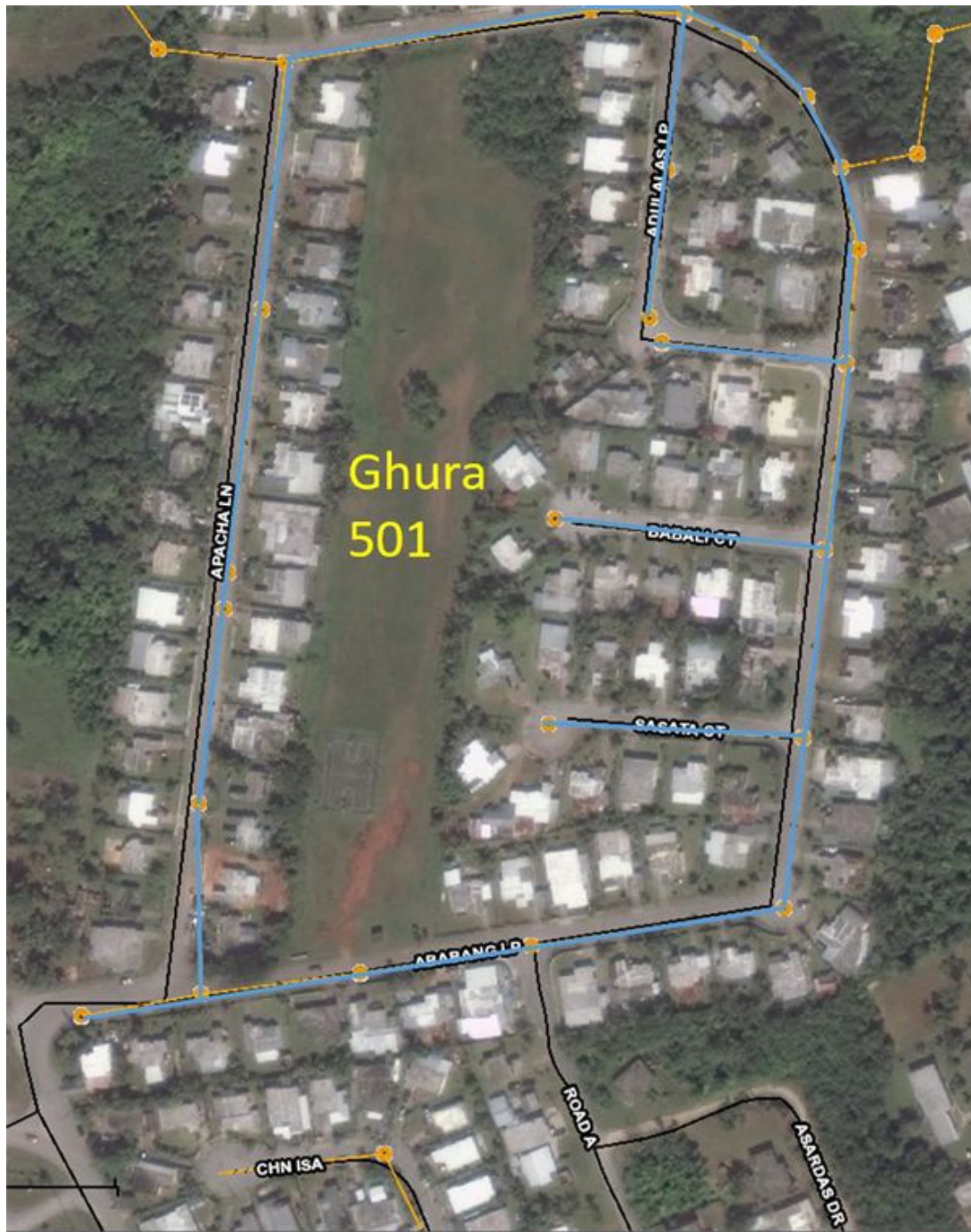
















**5.10 miles a month required, 61.3 miles a year to complete for 2027 (306.83 miles to complete in 5 years)**

306.83 miles / 5 years = 61.3 miles/yr

61.3 miles /12 months = 5.1 miles a month required to be completed

5.1 miles x 5,280ft = 26,928 ft. / 4 weeks = 6,732 ft./week required to be completed

6,732 ft / 5 days = 1,346.4ft required to be completed daily