



## 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*

*4:30 p.m., Tuesday, August 17, 2021*

## AGENDA

**1. CALL TO ORDER**

**2. ISSUES FOR DECISION**

- 2.1 [Requiring Guam Waterworks Authority and Guam Power Authority Employees to be Fully Vaccinated Against SARS-CoV-2 / GWA Resolution No. 25-FY2021; GPA Resolution No. 2021-22](#)
- 2.2 [Adoption of Guam Waterworks Authority Interim Fiscal Year 2022 Operating Budget/ Resolution No. 26-FY2021](#)
- 2.3 [Approval of Amendment to Updating the Guam Waterworks Authority Overtime Policy for Exempt Employees / Resolution No. 27-FY2021](#)

**3. GM REPORT**

- 3.1 [GM Summary](#)

**4. ISSUES FOR DISCUSSION**

- 4.1 [Pay for Performance Policy Recommendation](#)

**5. OTHER DISCUSSION**

- 5.1 [CCU Rules Update](#)

**6. DIVISION REPORTS**

- 6.1 [Communications](#)
- 6.2 [Compliance & Safety](#)
- 6.3 [Customer Service](#)
- 6.4 [Engineering](#)
- 6.5 [Finance](#)
- 6.6 [Operations](#)

**7. ANNOUNCEMENTS**

- 7.1 [Next CCU Meetings: GPA Work Session: August 19; CCU Regular Monthly Mtg.: August 24](#)

**8. ADJOURNMENT**



### **Issues for Decision**

#### **GWA Resolution No. 25-FY2021 / GPA Resolution No. 2021-22**

Relative to Requiring GPWA Employees to be Fully Vaccinated Against SARS-CoV-2

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

The objective of this resolution is to address the recent surge in positive cases island-wide, align GPWA's protective health & safety measures with federal guidance, and comply with the Occupational Safety and Health Administration's (OSHA) General Duty Clause which protects workers from serious and recognized workplace hazards even where there is no standard. The policy is also necessary and urgent to ensure no disruptions to the Power, Water and Wastewater systems and to protect GPWA personnel and the public who are visiting GPWA facilities from contracting COVID-19.

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

This action affects GPWA employees in all locations.

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

There is no financial impact from mandating employee COVID-19 vaccinations based on the draft policy in Appendix A.

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

Compliance with the mandatory vaccination policy is required of all GPWA employees by October 1, 2021.

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

N/A

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

N/A



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**GWA RESOLUTION NO. 25-FY2021  
GPA RESOLUTION NO. 2021-22**

**RELATIVE TO REQUIRING GPWA EMPLOYEES TO BE FULLY VACCINATED  
AGAINST SARS-CoV-2**

**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 Power Authority and the Guam Waterworks Authority (“GPWA”); and

**WHEREAS**, pursuant to Public Law 28-159 and Title 12, Chapter 14 of the Guam Code Annotated, the Consolidated Commission on Utilities has the power and authority to establish policies for the Guam Power Authority and the Guam Waterworks Authority (“GPWA”) which includes terms and conditions of employment applicable to all Certified, Technical and Professional employees; and

**WHEREAS**, the Guam Power Authority and the Guam Waterworks Authority are Guam Public Corporations established and existing under the laws of Guam; and

**WHEREAS**, the island of Guam achieved the community goal of 80% adult vaccinations, which allowed for the reopening of the island's economy, removing social gathering limitations and capacity limitations at local establishments, while maintaining a mask mandate; and

**WHEREAS**, notwithstanding the achievement of this goal, tens of thousands of individuals remain unvaccinated, which renders them still vulnerable to infection, to suffering severe symptoms once infected, and to infecting others; and

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1       **WHEREAS**, notwithstanding the high level of vaccinations within the community, there  
2 is a surge in positive cases on the island, with daily new cases averaging 24 during the last 14 days;  
3 and  
4

5       **WHEREAS**, unvaccinated individuals in Guam presently test positive for COVID- 19 at  
6 a rate that is thirteen (13) times higher than fully vaccinated individuals; and  
7

8       **WHEREAS**, on May 28, 2021, the U.S. Equal Employment Opportunity Commission  
9 ("EEOC") issued technical guidance clarifying that federal EEO laws do not prevent employers  
10 from requiring all employees physically entering the workplace to be vaccinated for COVID-19,  
11 subject to reasonable accommodations as provided in Title VII of the Americans with Disabilities  
12 Act and other federal employment discrimination laws, which may require an employer to provide  
13 reasonable accommodations for employees who do not get vaccinated for COVID- 19 because of  
14 a disability or a sincerely held religious belief, practice or observance; and  
15

16       **WHEREAS**, on July 26, 2021, the U.S. Department of Justice issued a Memorandum  
17 Opinion concluding that Section 564 of the Federal Food, Drug and Cosmetic Act permits public  
18 and private employers alike to impose the COVID-19 vaccination as a condition of employment  
19 even when the vaccine is subject to Emergency Use Authorization; and  
20

21       **WHEREAS**, multiple attempts through the judicial process to prevent both an employer  
22 and university from mandating vaccinations have failed, reinforcing the guidance provided by the  
23 U.S. Department of Justice; and  
24

25       **WHEREAS**, GPWA is obligated to maintain compliance with the Occupational Safety  
26 and Health Administration's (OSHA) General Duty Clause which protects workers from serious  
27 and recognized workplace hazards even where there is no standard; and,  
28

29       **WHEREAS**, the eighteen percent (18%) of essential GPA personnel and the thirty-two  
30 percent (32%) of essential GWA Water and Wastewater Division personnel remain unvaccinated  
31 and pose a risk to system operations should a COVID-19 outbreak occur within any section; and  
32

1       **WHEREAS**, a mandatory vaccination policy is necessary to ensure no disruptions to the  
2 Power, Water and Wastewater systems and to protect GPWA personnel and the public who are  
3 visiting GPWA facilities from contracting COVID-19.

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

- 6           1. The recitals set forth above hereby constitute the findings of the CCU.
- 7           2. GPWA Management shall immediately develop and implement a Mandatory  
8           Vaccination Policy that aligns with federal technical guidance and U.S.  
9           Department of Justice memoranda.
- 10          3. GPWA Personnel must be in compliance with the Mandatory Vaccination  
11          Policy by October 1, 2021.

12  
13       **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption  
14 of this Resolution.

15  
16       **DULY AND REGULARLY ADOPTED**, this 24<sup>th</sup> day of August, 2021.

17  
18       Certified by:

Attested by:

19  
20 \_\_\_\_\_  
21 **JOSEPH T. DUENAS**  
22 Chairperson

20 \_\_\_\_\_  
21 **MICHAEL T. LIMTIACO**  
22 Secretary

23 //

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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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## GUAM WATERWORKS AUTHORITY

"Better Water, Better Lives."

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

Tel: (671) 300-6846

### Issues for Decision

#### **Resolution No. 26-FY2021**

Relative to the Adoption of Guam Waterworks Authority Interim Fiscal Year 2022 Operating Budget

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

The purpose of this resolution is to provide an interim budget for Fiscal Year 2022 in anticipation of delay by the Public Utilities Commission in acting on the CCU-approved FY2022 Comprehensive Review and Update to GWA's Five-Year Financial Plan ("Financial Plan Update"). The interim FY2022 Operating Budget will rollover the Fiscal Year 2021 Operating Budget to FY2022 and is intended to remain in place until the Public Utility Commission ("PUC") acts on the FY2022 Financial Plan Update which was approved by the Consolidated Commission on Utilities on April 27, 2021, in Resolution 18-FY2021 and submitted to the PUC on May 1, 2021.

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

The Interim Fiscal Year 2022 Budget totals \$89 million. Operating costs are earmarked at approximately \$25 million in salaries and benefits; \$13 million in power purchases; \$9 million in water purchases; \$11 million in administrative and general expenses; \$6 million in contractual expenses; \$22 million in depreciation and \$3 million in retiree supplemental annuities and health care.

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

GWA anticipates that the PUC will act on the Financial Plan Update in the first quarter of Fiscal Year 2022. A teleconference was conducted with the PUC Administrative Law Judge on August 12<sup>th</sup> at which the ALJ indicated an amended Scheduling Order for review and action on the Financial Plan Update would be issued this week.

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

The Interim FY22 budget recommended for approval projects operating revenue of \$113 million derived from \$70 million in water revenues; \$39 million in wastewater revenue; \$3 million in Legislative surcharges; \$430 thousand in other revenue; and \$920 thousand in system development charges.



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**GWA RESOLUTION NO. 26-FY2021**

**RELATIVE TO THE ADOPTION OF GUAM WATERWORKS AUTHORITY  
INTERIM FISCAL YEAR 2022 OPERATING BUDGET**

**WHEREAS**, Section 8104 (c), Chapter 8 and Section 14104 (c) Chapter 14 of Title 12 of the Guam Code Annotated authorizes the Guam Waterworks Authority to establish its internal organization and management and adopt regulations for the administration of its operations; and

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

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

**WHEREAS**, the Guam Public Utilities Commission (“PUC”) FY20 Rate Decision and Order issued on February 27, 2020, delineated proforma rates for FY2022, FY2023 and FY2024 and required an FY2022 Comprehensive Review and Update of GWA’s Five-Year Financial Plan (“Financial Plan Update”); and

**WHEREAS**, the PUC FY20 Rate Decision and Order required GWA to undertake various analytical studies, namely (1) Demand Forecasting, (2) Water Loss Reduction, (3) Cost of Service / Rate Design, (4) Affordability, (5) Capital Financing Alternatives, (6) Capitalized Labor, and (7) Cesspool and Septic Tank Elimination, and to submit the studies by March 31, 2021, and incorporate the same into the Financial Plan Update; and

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**WHEREAS**, the CCU approved the Financial Plan Update on April 27, 2021, in Resolution 18-FY2021, and management submitted the approved Financial Plan Update to the PUC on May 1, 2021; and

**WHEREAS**, the PUC will determine final rates for FY2022, FY2023, and FY2024 based on the results of the studies and the Financial Plan Update; and

**WHEREAS**, the Financial Plan Update addresses for FY2022-FY2024: (1) estimated annual budgets for operations, maintenance, and repair of GWA's water and wastewater system, including capital improvement projects; and (2) a descriptive plan for raising sufficient revenue to meet the projected costs set forth in the budgets; and

**WHEREAS**, the PUC Administrative Law Judge (ALJ) issued an amended scheduling order for GWA Docket 19-08 on May 4, 2021, which calendared the ALJ Report and Proposed Order no later than September 22, 2021; and

**WHEREAS**, on August 12, 2021, the ALJ conducted a teleconference to discuss changes to the scheduling order requested by PUC consultants which will impact when the PUC acts on the rate increases and resulting revenue projections on which the CCU approved FY2022 budget is based; and

**WHEREAS**, given the uncertainty created by this delay, it would be prudent to continue the cost containment measures until the PUC orders the final rates for FY2022; and

**WHEREAS**, the adjusted FY2021 budget as adopted in CCU Resolution 38-FY2020 represents management's best estimates of resources required during the interim period between the end of FY2021 and the anticipated date of action on requested FY2022 rate adjustments, considering the uncertainty of actions of the PUC; and

**WHEREAS**, the Interim FY2022 budget recommended for approval projects operating revenue of \$113 million derived from \$70 million in water revenues; \$39 million in wastewater

revenue; \$3 million in Legislative surcharges; \$430 thousand in other revenue; and \$920 thousand in system development charges; and

**WHEREAS**, operating costs are earmarked at approximately \$25 million in salaries and benefits; \$13 million in power purchases; \$9 million in water purchases; \$11 million in administrative and general expenses; \$6 million in contractual expenses; \$22 million in depreciation and \$3 million in retiree supplemental annuities and health care for a combined total of \$89 million; and

**WHEREAS**, the Interim FY2022 budget allows GWA a staff level of 400 full time employees (FTE), excluding any temporary interns, to meet O&M activities; and

**WHEREAS**, it is the General Manager's desire to be granted continued budget transfer authority each fiscal year to modify budget amounts up to 10%, among and between budget expense categories, to address changing conditions during any fiscal period to meet critical demands; and

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

**Section 1.** The foregoing recitals hereby constitute the findings of the CCU.

**Section 2.** GWA adopt and implement the Interim Fiscal Year 2022 Proposed Budget of \$113 million and \$89 million of operating revenues and expenses, respectively, until such time the PUC acts on the Financial Plan Update.

**Section 4.** Upon the action of the PUC, GWA will adjust revenue projections and expenses for FY2022 as authorized by the PUC.

**Section 3.** For FY2022, the General Manager is initially authorized a staff level not to exceed the existing authorization of 400 full- time employees until such time as the PUC acts on the Financial Plan Update.

**Section 5.** The General Manager is authorized to transfer funds up to 10% between and among O&M Budget expenses, as necessary to meet the mission of GWA during each fiscal period. Any transfer(s) greater than 10% requires CCU approval.

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

**DULY AND REGULARLY ADOPTED**, this 24th day of August 2021.

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: \_\_\_\_\_

ABTAIN: \_\_\_\_\_

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### **Issues for Decision**

#### **Resolution No. 27-FY2021**

Relative to Amending the Guam Waterworks Authority Overtime Policy

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

The objective of this resolution is to amend CCU Resolution No. 14-FY2021 for the following reasons:

- 1) to correct a typographical error in CCU Resolution No. 14-FY2021 resolve clause #2.
- 2) to authorize the General Manager to update Appendix A of CCU Resolution No. 14-FY2021 when new positions are created for both Non-Exempt and Exempt positions.
- 3) Authorize the General Manager to approve overtime compensation for Exempt employees at the rate of 1 time the regular rate of pay for each hour, or portion of the hour of overtime worked for whom GWA is reimbursed for the cost of said hours by a third party.

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

This action affects GWA employees in all locations. The authorization and application of overtime policies for all GWA employees holding CTP positions based on the Fair Labor Standards Act definitions of Non-Exempt and Exempt employees. GWA positions are identified and Non-Exempt or Exempt in Appendix A.

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

This action will have no financial impact.

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

Effective upon approval of this CCU Resolution and the issuance of a guidance memo by the GWA General Manager.

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

Operations and Maintenance

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

N/A



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**GWA RESOLUTION NO. 27-FY2021**

**RELATIVE TO AMENDING THE GWA OVERTIME POLICY**

**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**, pursuant to Public Law 28-159 and Title 12, Chapter 14 of the Guam Code Annotated, the Consolidated Commission on Utilities has the power and authority to establish policy for the Guam Waterworks Authority (“GWA”) which includes terms and conditions of employment applicable to all to all Certified, Technical and Professional employees; and

**WHEREAS**, the Guam Waterworks Authority is a Guam Public Corporation established and existing under the laws of Guam; and

**WHEREAS**, the Fair Labor Standards Act (FLSA), as amended in December 2019, and effective 16 January 2020; enforces the payment of overtime to employees meeting established criteria of positions deemed Exempt and Non-Exempt; and

**WHEREAS**, the CCU agrees with GWA Management that all employees holding CTP positions listed on appendix A as Non-Exempt be authorized overtime payment subject to proper budget authority and other GWA policies in place; and

**WHEREAS**, CCU Resolution No. 14-FY2021 authorized that only GWA Non-Exempt employees be allowed to earn overtime under any circumstances subject to proper budget authority and other GWA policies in place; and

1       **WHEREAS**, the first resolve clause in CCU Resolution No. 14-FY2021 erroneously cited  
2 Resolution 90-FY2010 instead of Resolution 09-FY2010; and

3  
4       **WHEREAS**, the fourth resolve clause in CCU Resolution No. 14-FY2021 only allows the  
5 GWA General Manager to append Appendix A, Position Inventory for newly created Non-Exempt  
6 positions but not newly created Exempt positions; and

7  
8       **WHEREAS**, prior to Resolution No. 14-FY2021, private contractors agreed to reimburse  
9 GWA for overtime incurred by GWA employees, primarily Engineers, who perform after hours  
10 inspections of their construction projects; and

11  
12       **WHEREAS**, private contractors are being negatively impacted by CCU Resolution No.  
13 14-FY2021 because GWA employees now perform inspections during the work day which reduces  
14 private contractors' productivity; and

15  
16       **WHEREAS**, GWA is part of the Government of Guam Comprehensive Emergency  
17 Response Plan which includes GWA employee's participation as an Emergency Coordination  
18 Officer (ECO); and

19  
20       **WHEREAS**, during emergency situations such as a typhoon, ECO's work extended shifts  
21 before, during and after the emergency, often incurring significant amounts of overtime for which  
22 GWA is reimbursed by the Federal Emergency Management Agency (FEMA); and

23  
24       **WHEREAS**, the positions appointed by GWA to be ECO's are generally Exempt making  
25 them ineligible to receive overtime pay and denying GWA the opportunity to be reimbursed for  
26 the hours worked by ECO's; and

27  
28       **WHEREAS**, the age of GWA infrastructure results in occasional line breaks causing  
29 service outages and environment hazards. During 2<sup>nd</sup> and 3<sup>rd</sup> shift outages and emergencies,  
30 supervisors are often challenged by insufficient human resources necessary to ensure expeditious  
31 completion of service repairs; thus, they proceed to assume the duties of Non-Exempt employees  
32 for the benefit of the mission to deliver the highest level of service to ratepayers.

**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. This resolution shall amend Resolution 14-FY2021 resolve clause #2 to read “This Resolution shall supersede the previous policy contained in Resolution 09-FY2010.”
3. This resolution shall amend Resolution 14-FY2021 resolve clause #4 to read “The CCU hereby authorizes GWA General Manager to further designate newly created positions as necessary, pursuant to applicable FLSA criteria for subsequent inclusion in the GWA Position Inventory shown in Appendix A.”
4. This resolution shall amend Resolution 14-FY2021, by adding a new resolve clause #5 to read “The GWA General Manager is authorized to approve overtime compensation for Exempt employees at the rate of 1 time the regular rate of pay for each hour, or portion of the hour of overtime worked for whom GWA is reimbursed for the cost of said hours by a third party.”
5. This resolution shall amend Resolution 14-FY2021, by adding a new resolve clause #6 to read “The GWA General Manager is authorized to approve overtime compensation for Exempt employees at the rate of 1 time the regular rate of pay for each hour, or portion of the hour of overtime worked when employee assumes the role of a Non-Exempt employee during scheduled days off or during a 2<sup>nd</sup> or 3<sup>rd</sup> shift.”

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

**DULY AND REGULARLY ADOPTED**, this 24<sup>th</sup> day of August, 2021.

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:

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

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

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

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

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# Management Report

## GWA Work Session, August 17, 2021



### GWA Workforce availability as of August 11, 2021

Healthy	357	97.0%
Sick, not COVID-19 related	3	0.8%
Employee with COVID-19, active case	1	0.3%
Military Leave	6	1.6%
LTD	1	0.3%
	368	100%

Total		
Healthy/Reporting for duty at worksite	350	95.1%
Healthy/Reporting for duty - Part Teleworking and Part Reporting for duty at worksite	1	0.3%
Healthy/Reporting for duty - Teleworking	6	1.6%
Employee with COVID-19, active case	1	0.3%
Employee sick - symptoms unrelated to COVID-19	3	0.8%
Military Leave	6	1.6%
LTD/Workers Comp	1	0.3%
	368	100%

### GWA Workforce Vaccine Status as of August 11, 2021

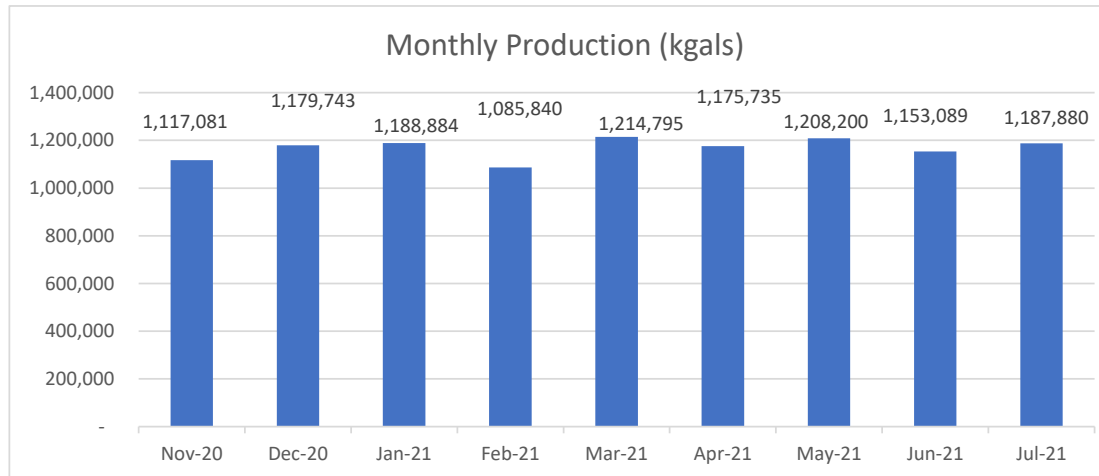
One Shot Remaining	2	0.54%
Fully Vaccinated	286	77.72%
Did Not Receive Shot	80	21.74%
	368	100.00%

## Operations Update

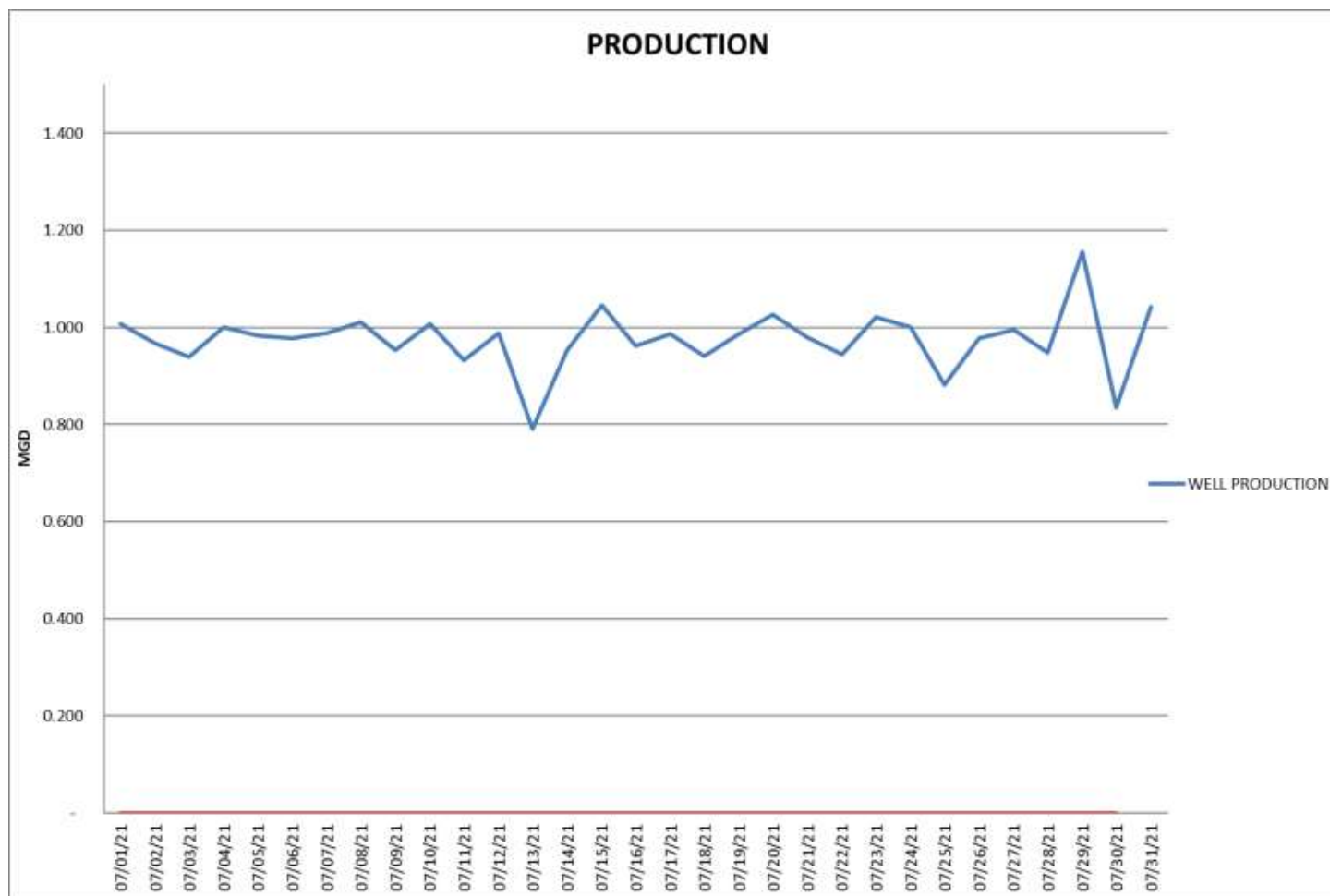
## Production (July 2021)

Monthly Production Summary - July 2021				
Deep Wells			35.1 MGD	
Active wells =	94	of 120		
Avg days in operation =	31	days		
Total Production =	1,086,633	Kgals		
Springs			0.22 MGD	
Avg days in operation =	31	days		
Total Production =	6909	Kgals		
Ugum Surface Water Plant			2.1 MGD	
Avg days in operation =	31	days		
Total Production =	64,106	Kgals		
Tumon Maui Well			0.98 MGD	
Avg days in operation =	31	days		
Total Production =	30,232	Kgals		
			1,187,880	38.3 MGD

DW Status as of 7/31/2021		
Active	94	
Grounded motor or Pump Failure	13	A26-D01-D03-D18B-F06-F07-F10-F13-F15-F19-M17A-Y16-Y20
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Temporarily Secured - PFO	2	A23-A25
Standby	3	A29-Y01-Y02
TOTAL	120	

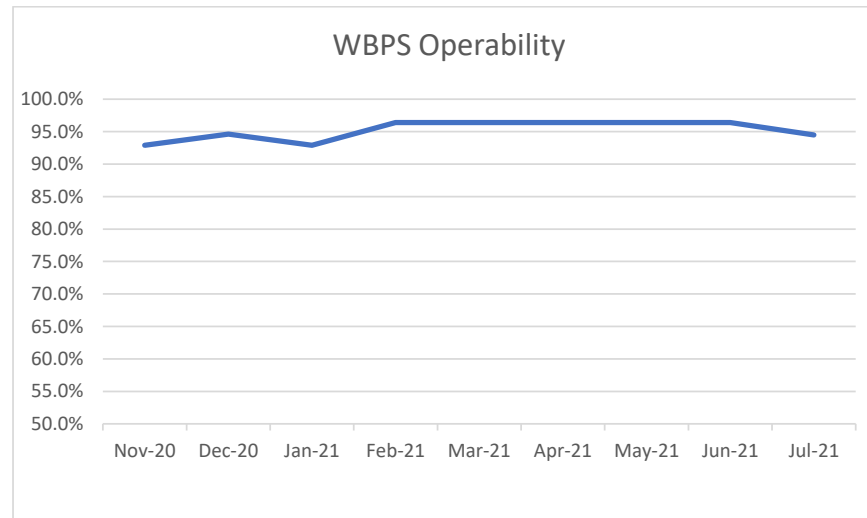


Tumon Maui Well Production (July 2021)

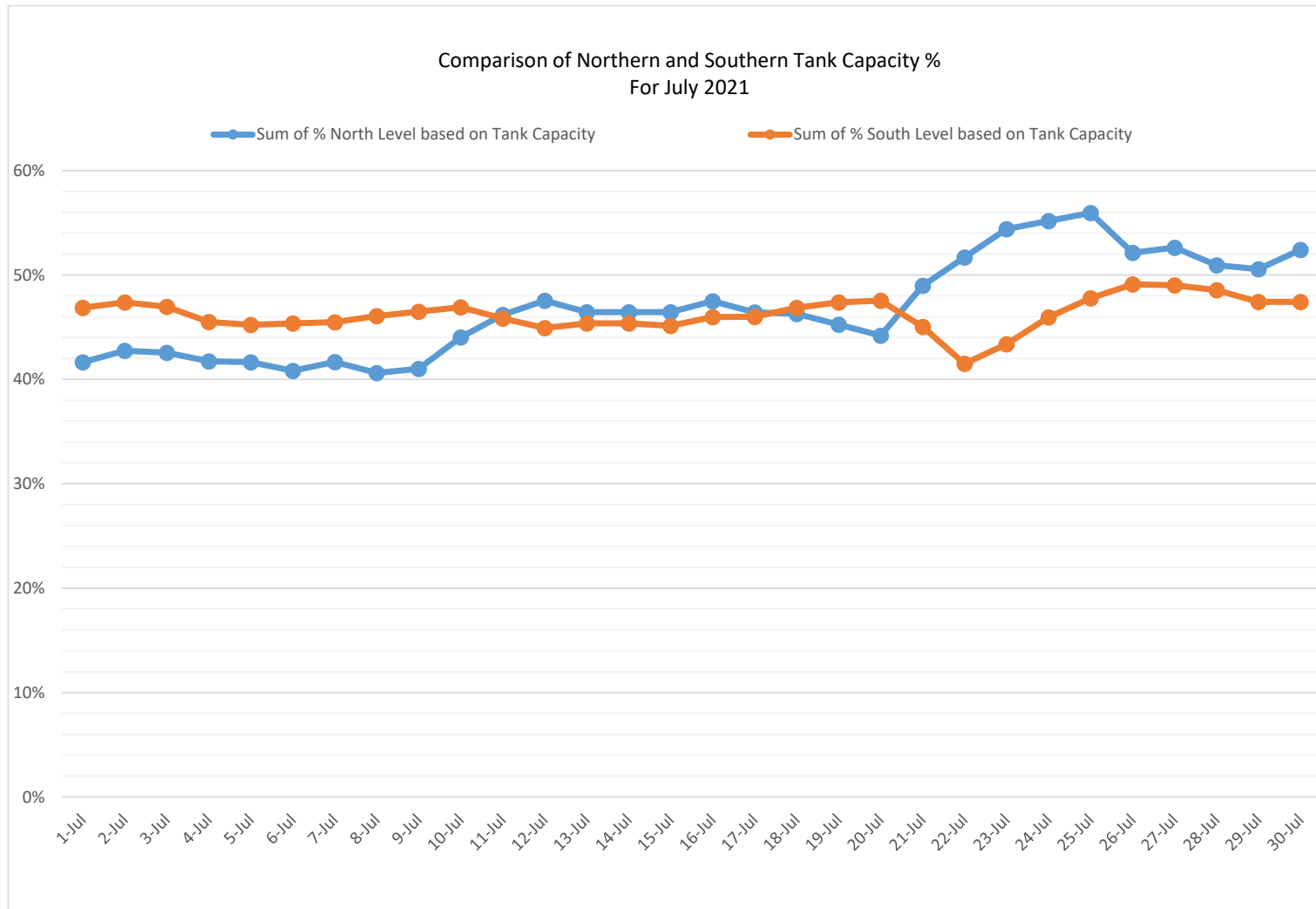


## Distribution (July 2021)

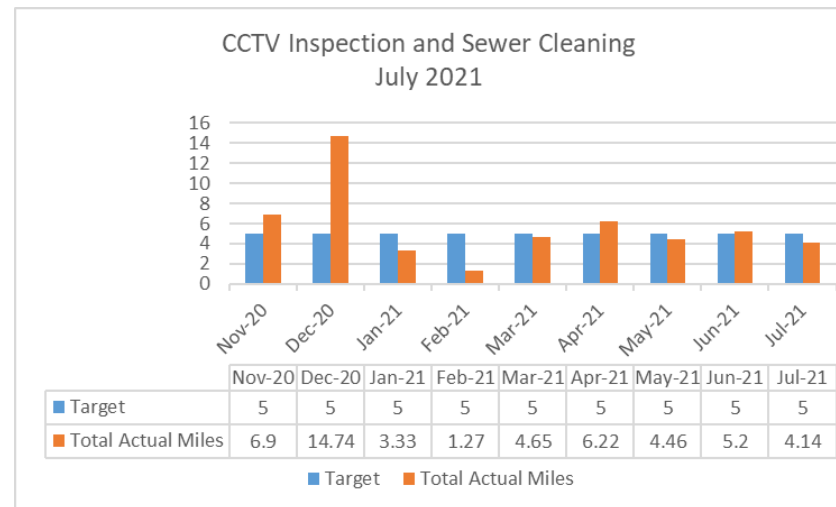
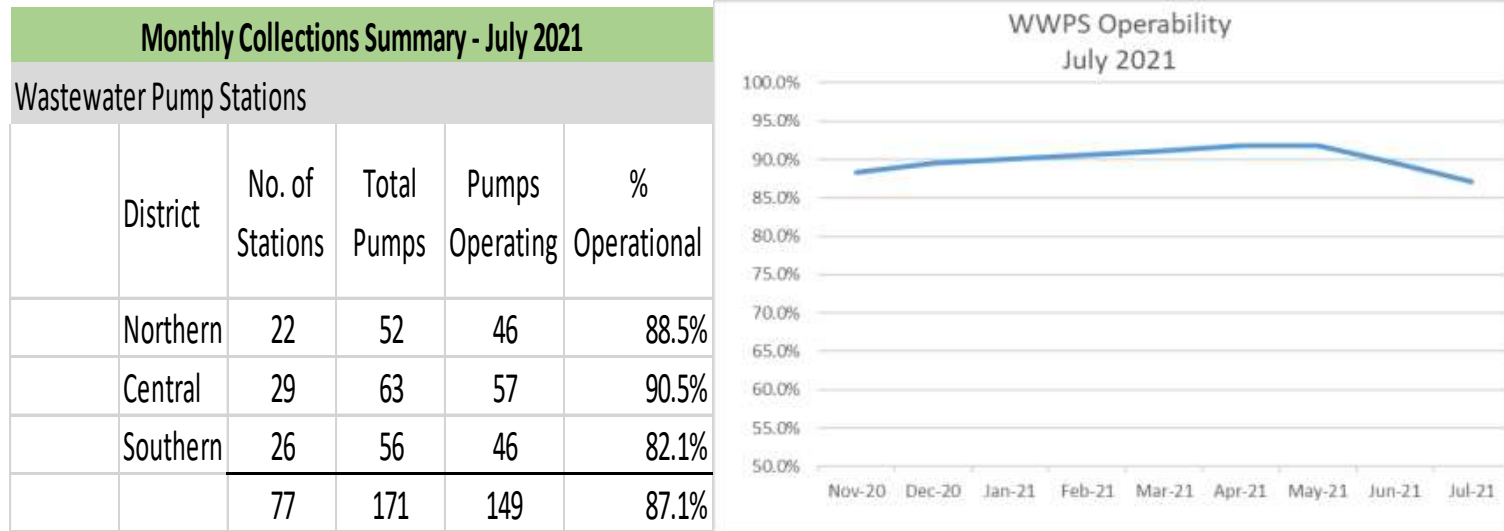
Monthly Distribution Summary - July 2021					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	25	96.2%
	Central	7	14	12	85.7%
	Southern	7	15	15	100.0%
		27	55	52	94.5%



Distribution – Tank Levels (July 2021)

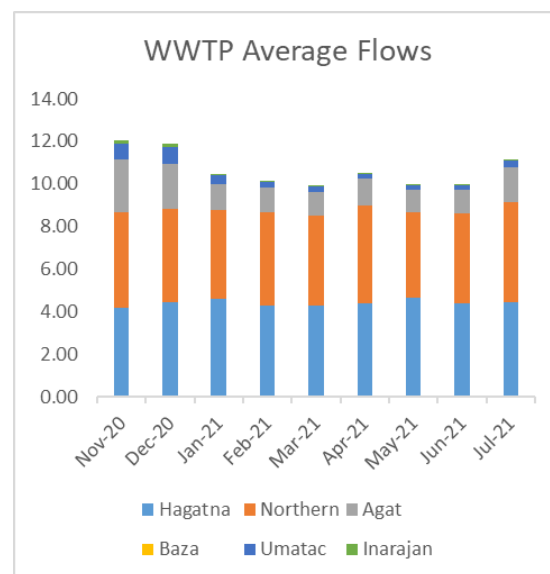


## Wastewater Collections (July 2021)



## Wastewater Treatment (July 2021)

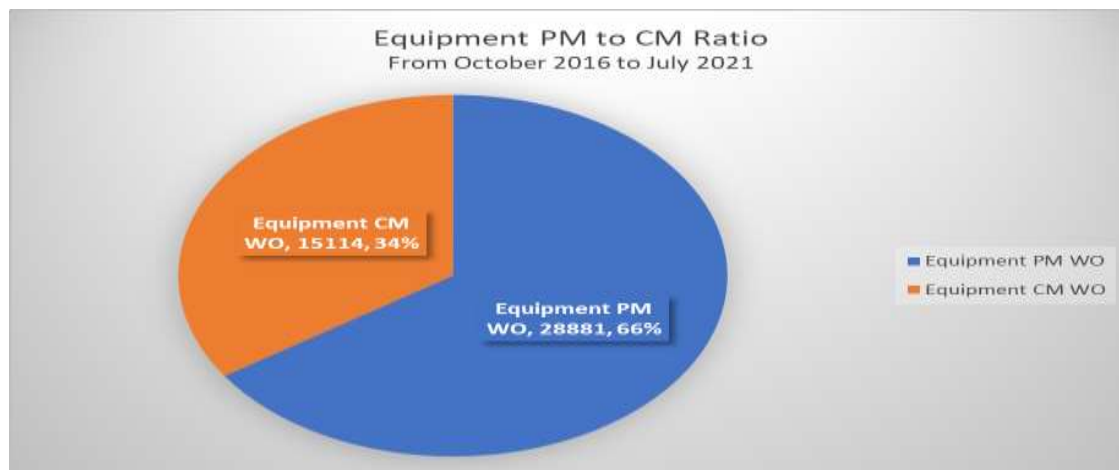
Monthly Wastewater Treatment Summary - July 2021				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.46	272,620	\$ 24,536
	Northern	4.67	983,220	\$ 88,490
	Agat	1.63	56,020	\$ 5,042
	Baza	0		
	Umatac	0.33		
	Inarajan	0.08		
		11.17	1,311,860	\$ 118,068



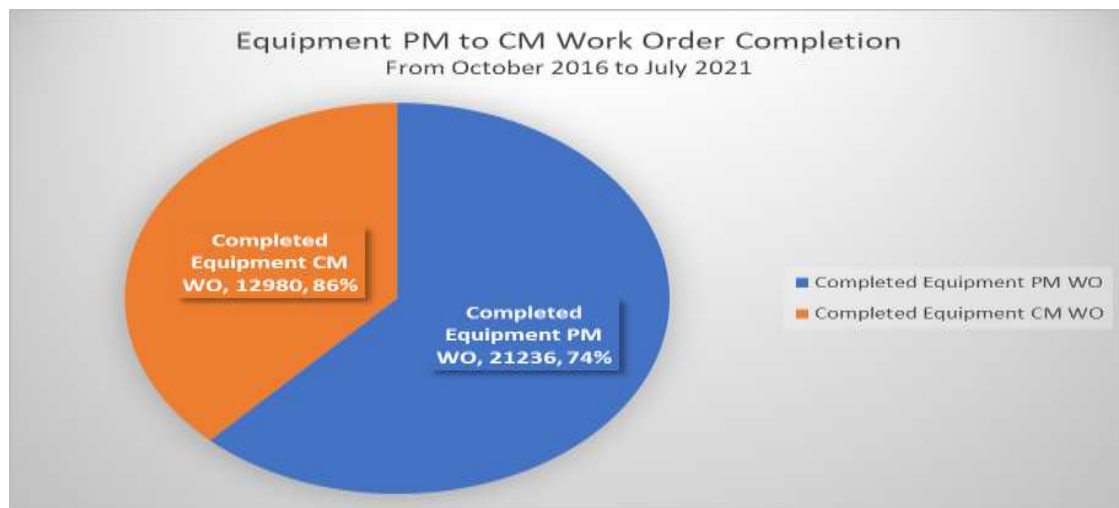


Asset Management (through July 2021)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

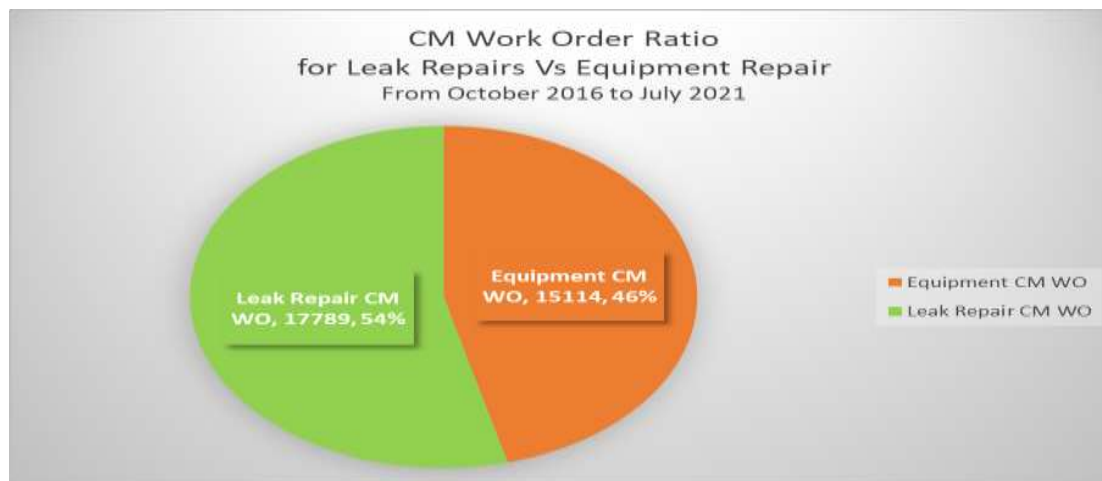


II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*

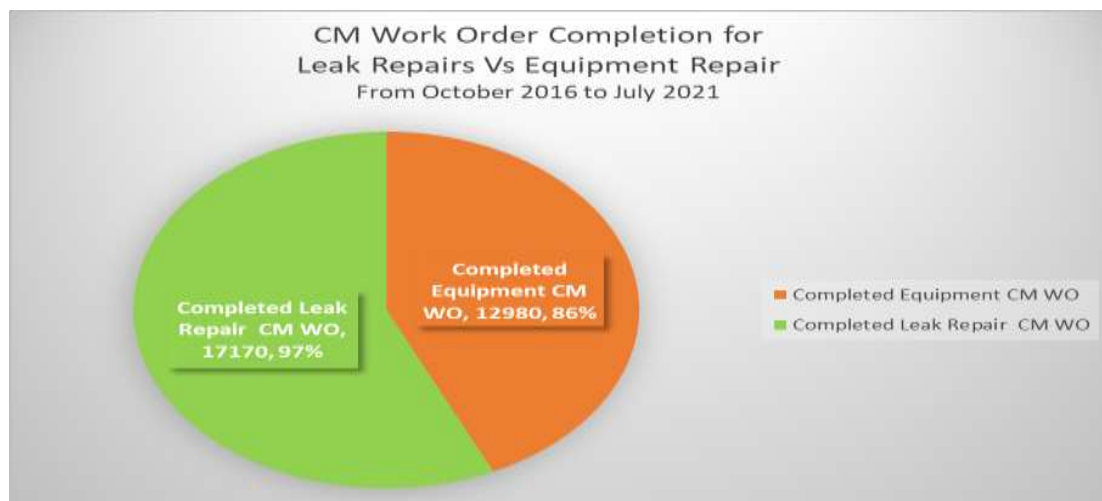


Asset Management (through July 2021)

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



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



## One Guam Update (through August 2021)

### **Tumon Maui Well**

- Still waiting on AAFB approval to increase the pumping rates to be consistent with the GEPA well permit.
- The sign for the TMW has been replaced.

### **OEA Projects**

- Observation Wells/NGLA
  - DoD is working to resolve ownership issue w/ adjacent landowner; GWA still needs to access BPM-1 site in Mangilao for rehabilitation project.
  - DoD issued license/right-of-entry document for BPM-1 for construction purposes
  - Contractor in process of getting drilling permits for expansion wells.
  - DoD access for contractor is being coordinated for expansion wells.

### **Water for Camp Blaz**

- No update

### **Strategy/Framework Discussion**

- Santa Rosa Intertie – Still pending approval by Andersen leadership (as with TMW/AG-1); all sent up together so expect response by Aug. 13.
- Route 16 Intertie – Maria stated they still need NBG to concur with the intertie. Cesar is still awaiting response from Installation to his email; will follow up next week.

### **Property Transfers**

- Transfer of Navy Laterals at Murray Road to GWA - No new update
- Transfer of ACEORP Tunnel – No new update; waiting for GovGuam to sign.
- Easement on Marbo property for Sewer Line - GWA request for easement/relocation was delivered to DOD. Waiting on response

### **Other**

- AWWA Local Conference at Westin
  - Operator Certification workshop is scheduled for Sep. 27 and 28; Sep. 29 and 30 is the technical part and a field trip day potentially to Umatac-Merizo Wastewater Treatment Plant

## Court Order Summary (July 2021 – no changes)



	Court Order Items	%	Performance (on-time or completed)
Completed/Continuous - on time	78	84%	98.9%
Completed - late	14	15%	
In Progress - on time	0	0%	
In Progress - late	1	1%	
<b>Totals</b>	<b>93</b>	<b>100%</b>	

## Court Order – Status Information (July 2021)

- 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 (for May, June and up to July 11, 2021):
  - SSO #442, July 23, 2021 - ET Memorial Way, Tamuning – FOG
  - SSO #444, July 31, 2021 - Santa Ana, Asan, sewer overflow – FOG
  - SSO #446, Aug. 5, 2021 - Marine Corps Drive, Tamuning – FOG.
  - SSO #447, Aug. 4, 2021 - Chalan Pago-Ordot – FOG

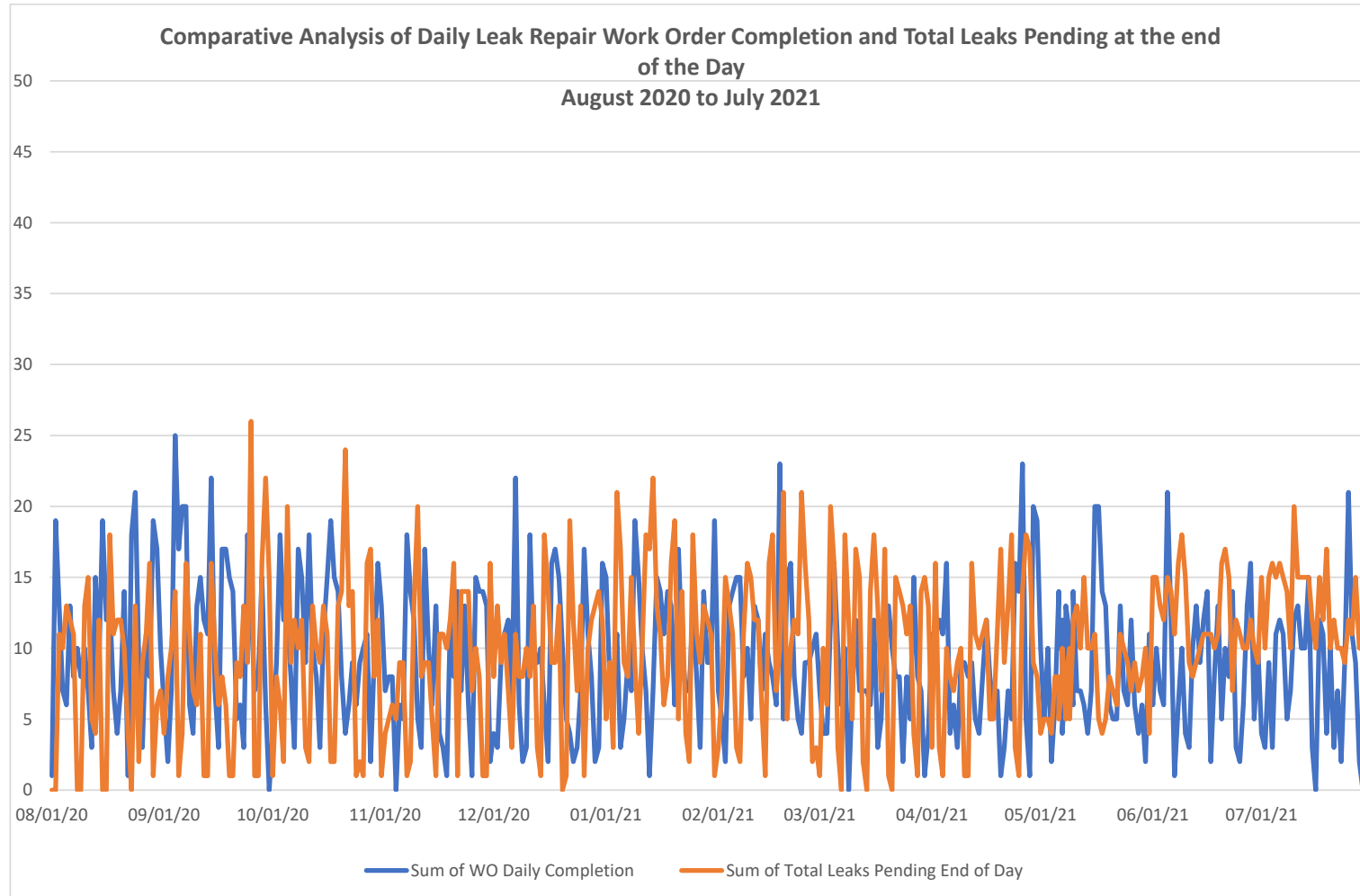
## Land Acquisition Summary (for July 2021)

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. 3 <sup>rd</sup> follow up update status request emailed to DLM 12/14/2020. Land Registration process is still pending from AG office per DLM 04/09/2021. <b>AG pending court filing 06/30/2021.</b>
	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.
	Airport	Private	<b>Return of Sale of Real Property and Petition for Confirmation of Sale - Notice of Hearing via telecom on August 18, 2021 at 2:00 p.m.</b>
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 to proceed with survey work for parceling of AG-12 property 01/25/2021.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19. Letter of Decision received by CLTC 06/09/2021.

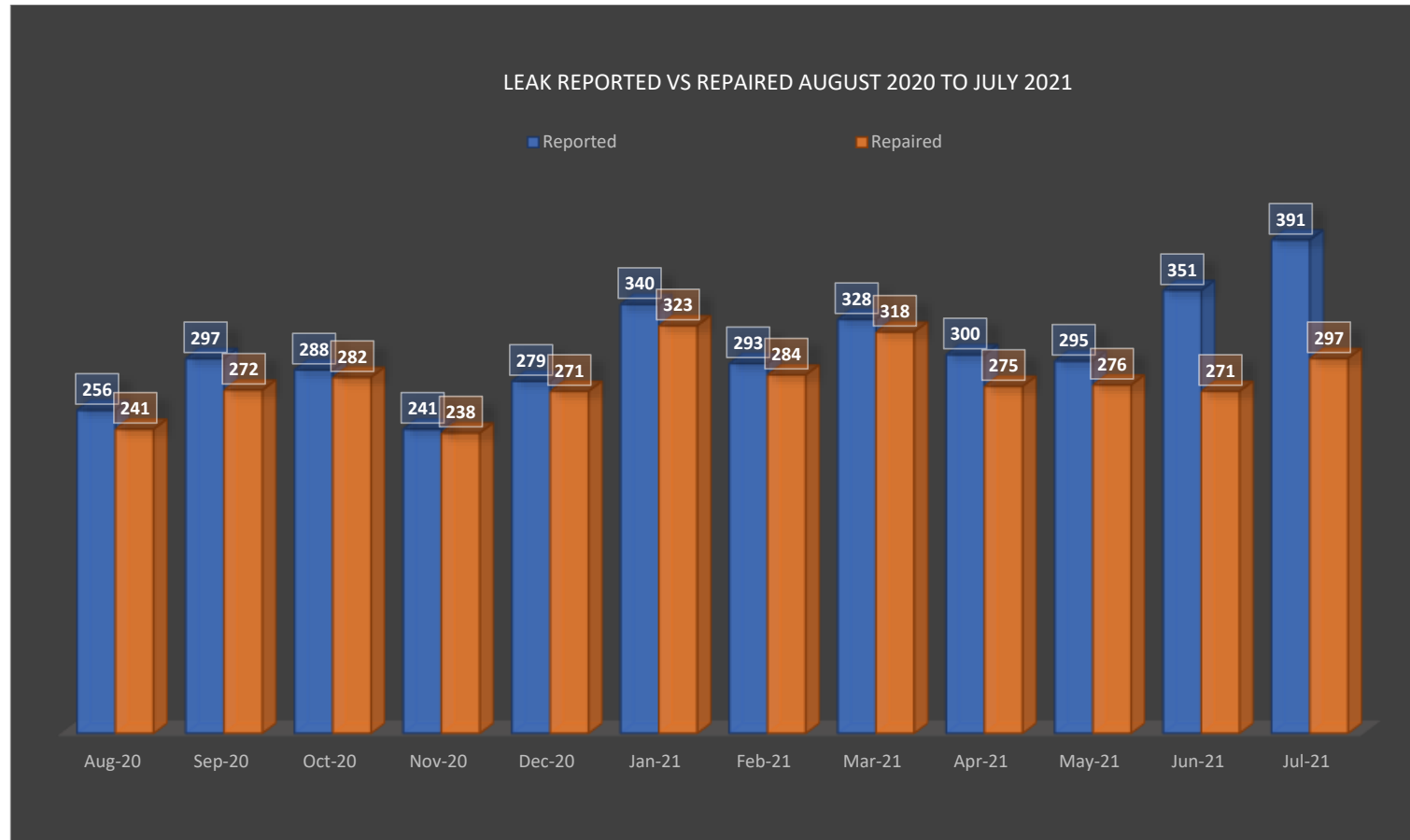
## Land Acquisition Summary (for July 2021 – continuation)

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. <b>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 following up with Tim Clark to get him up to speed on things.</b></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> </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> </ul> <p>Pending archaeological survey requirements from SHPO. SHPO Letter sent to NPS for review, 5/29/2021. <b>Received first comments on letter on 7/1/2021; submitted revised letter on 7/12/2021.</b></p>

Leak Repair Summary (through July 2021)

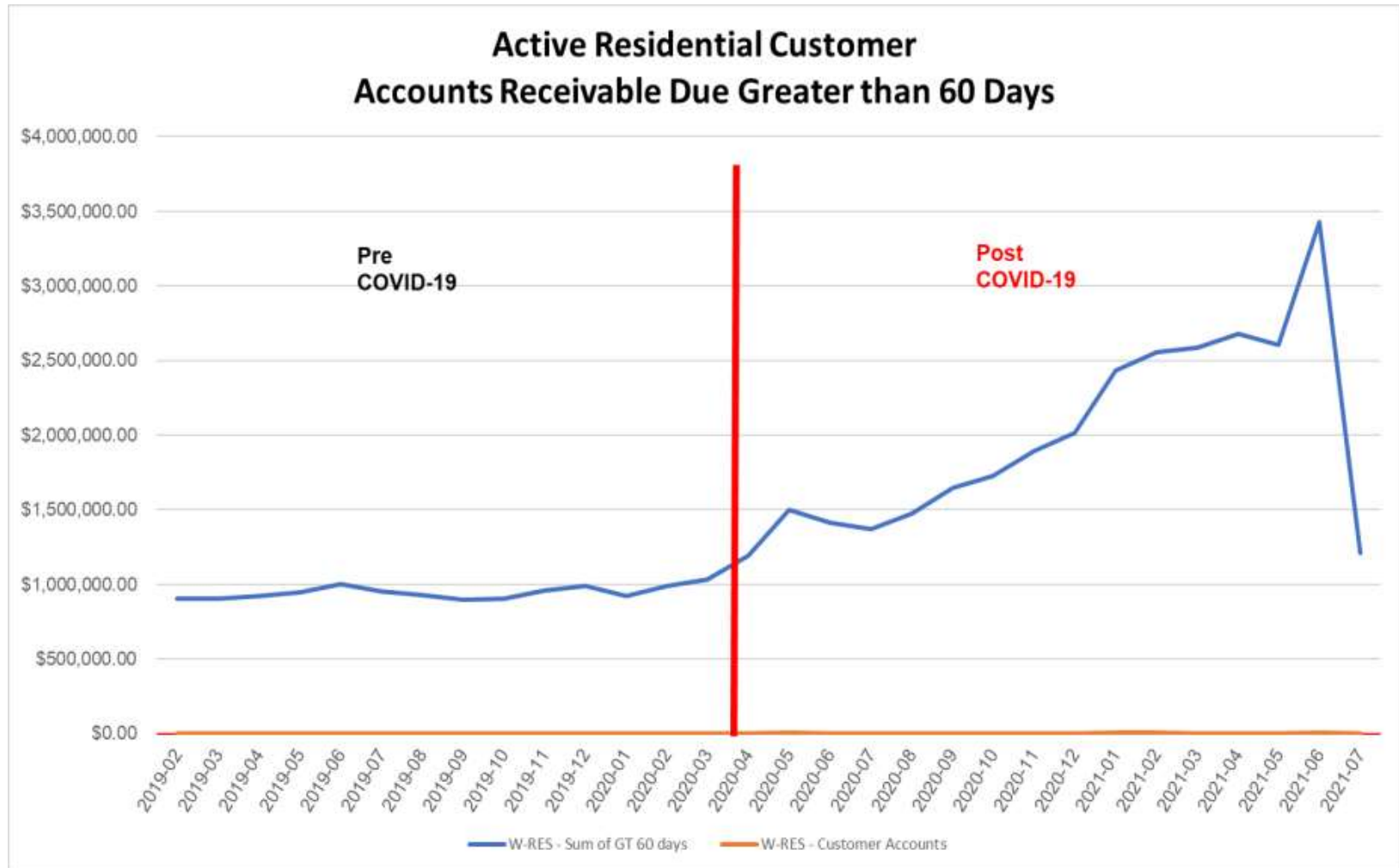


Comparison of Leaks Reported vs. Leaks Repaired (through July 2021)

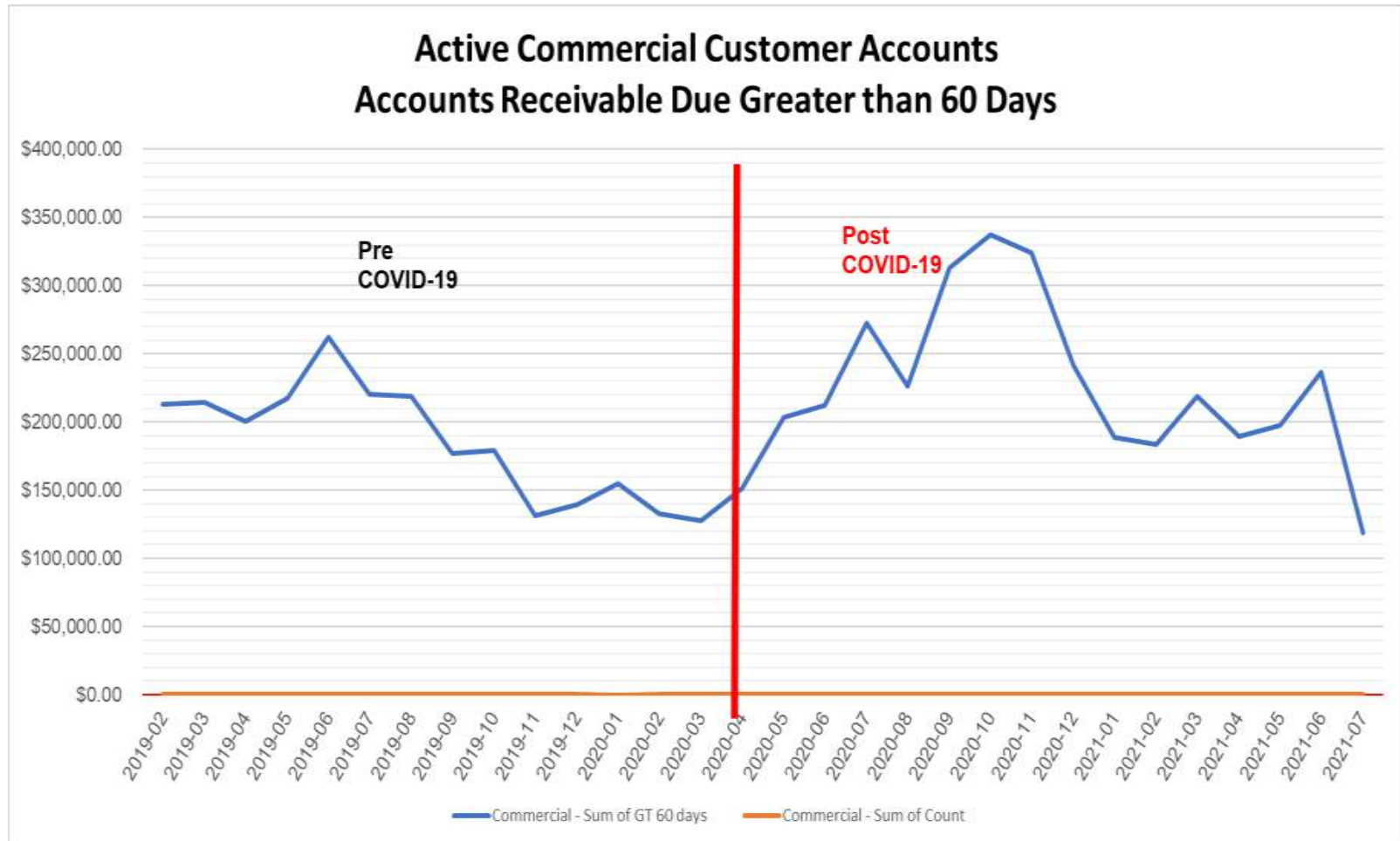




Accounts Receivables Due Greater than 60 Days (through July 2021)



Accounts Receivables Due Greater than 60 Days (through July 2021)





# GWA Financial Overview

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JULY 2021





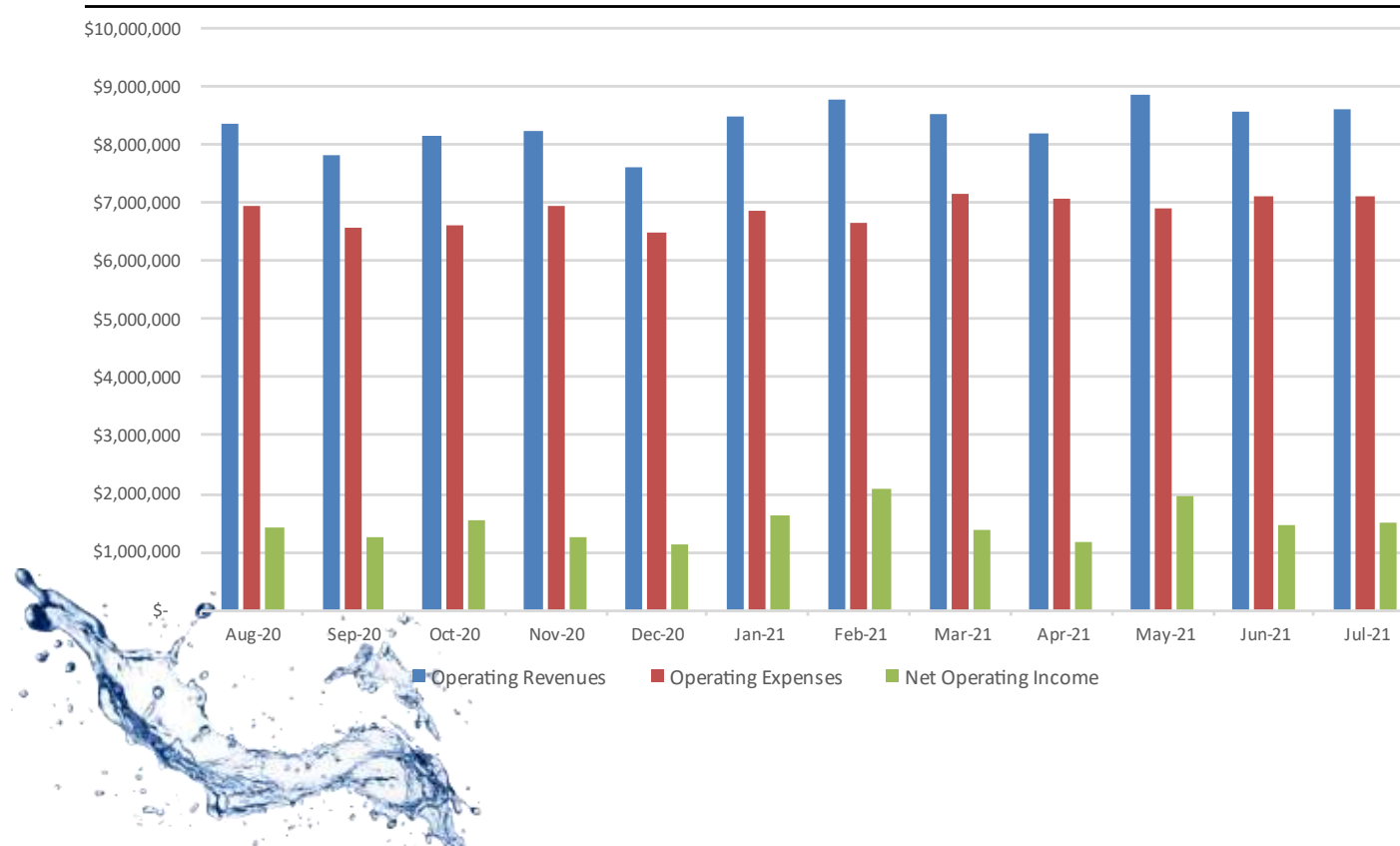
## Key Financial Indicators

Indicator	Target	Jun-21	Jul-21
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.34	1.35
• Per PUC / CCU	1.40	1.34	1.35
Days - Cash on Hand	120 days	306 days	297 days
Collection Ratio			
• Month to Date	99%	108%	107%
• Year to Date	99%	98%	98%
Days Billed	30 days	30 days	30 days
Account Receivable Days	30 days	44 days	45 days
Account Payable Days	45 days	30 days	39 days
Employee Count	400 FTE	361 FTE	363 FTE
Water Demand			
• Month to Date	478,754	455,272	437,884
• Year to Date	4,787,542	4,008,145	4,444,009
Wastewater Flow			
• Month to Date	356,472	315,154	311,764
• Year to Date	3,564,723	2,829,368	3,141,131
Water Customers	42,839	43,157	43,258
Wastewater Customers	29,805	29,998	29,885



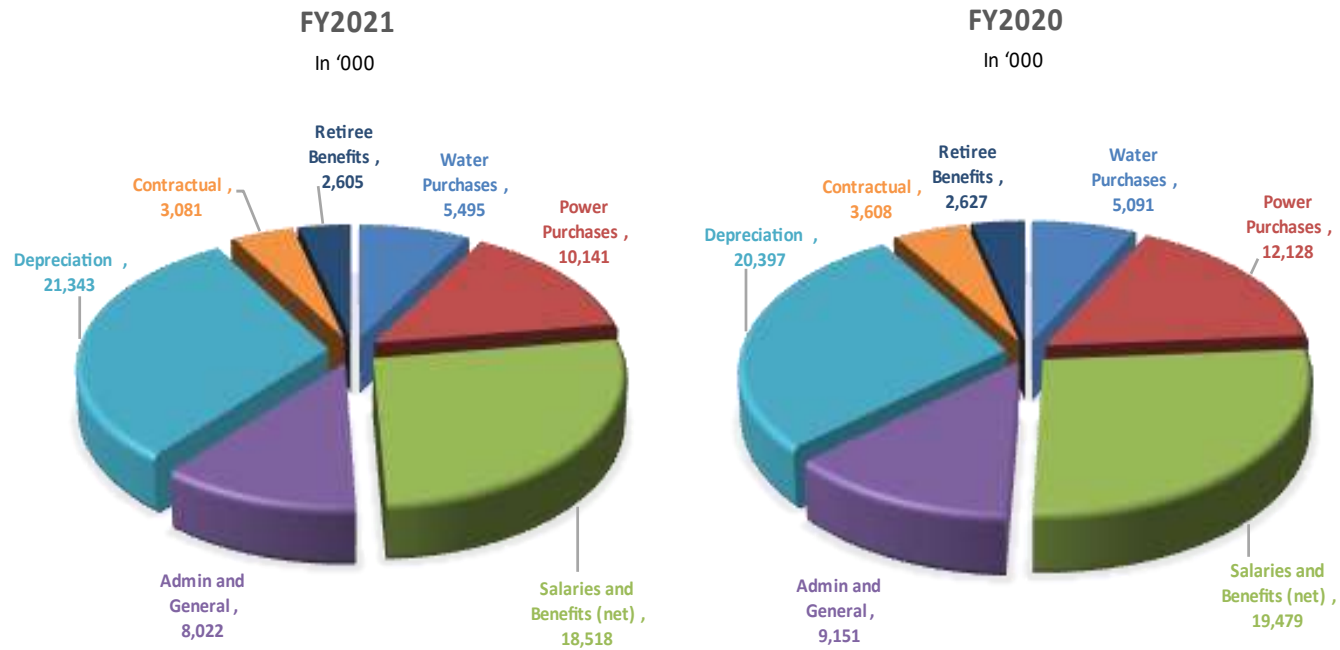


## Income Statement





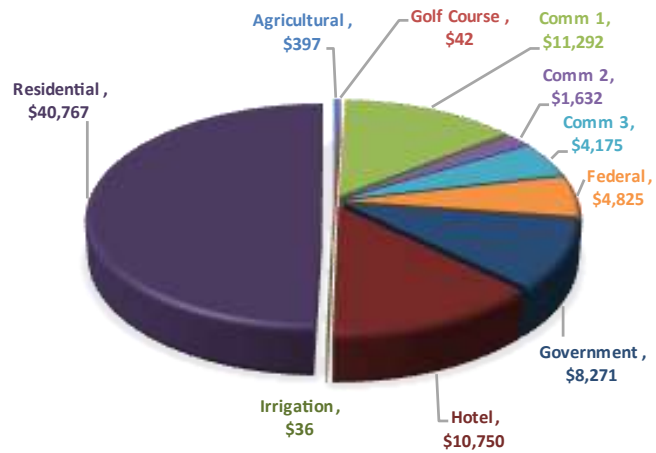
## JULY 2021 YTD Expenses by Categories



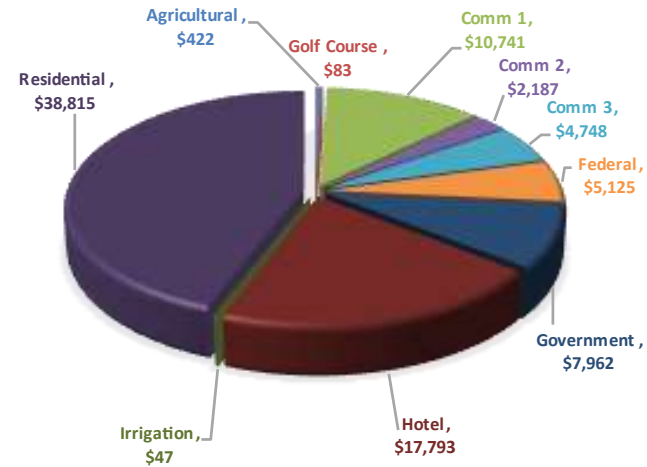


## JULY 2021 YTD Revenues by Rate Class

FISCAL YEAR 2021 (in '000)



FISCAL YEAR 2020 (in '000)



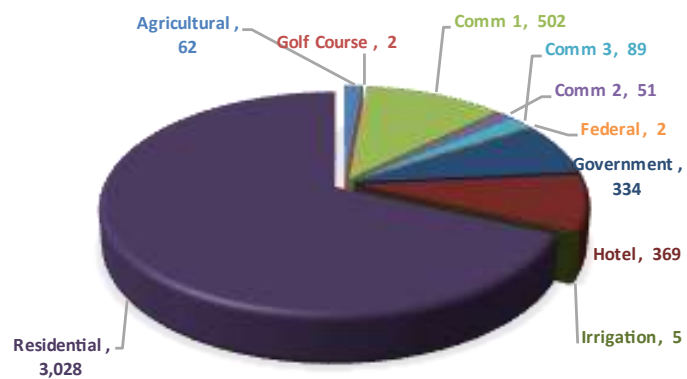


## JULY 2021 YTD Demand & Flow

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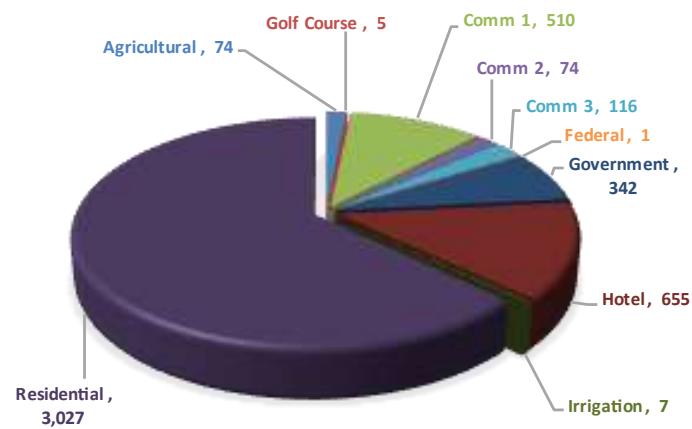
**FISCAL YEAR 2021**

in mGals



**FISCAL YEAR 2020**

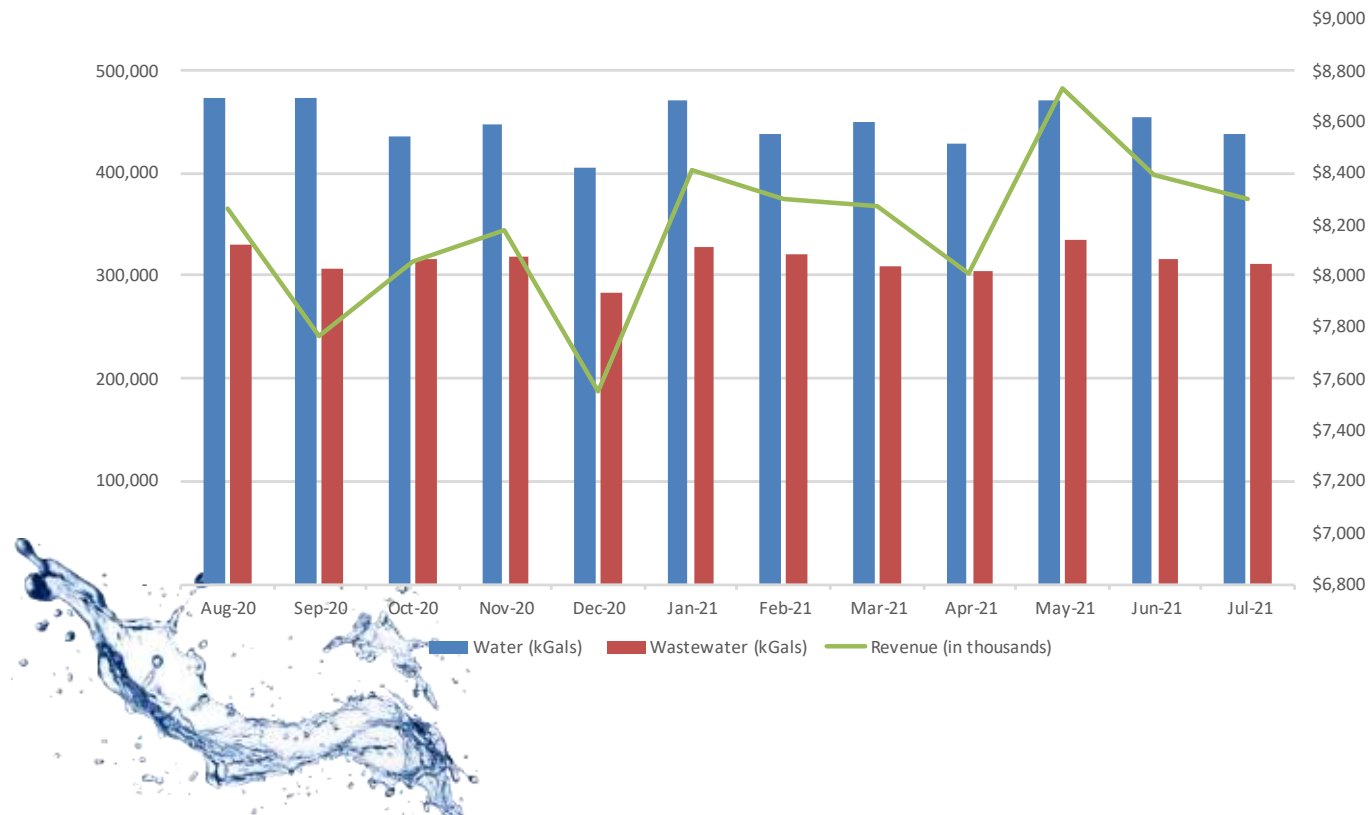
in mGals







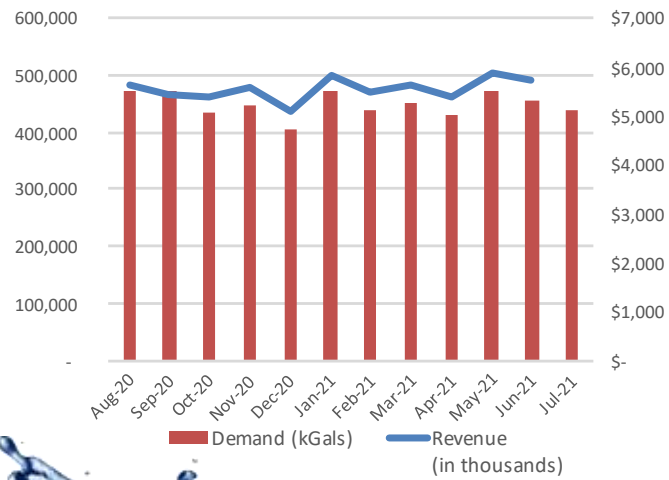
## Overall Revenues and Demand



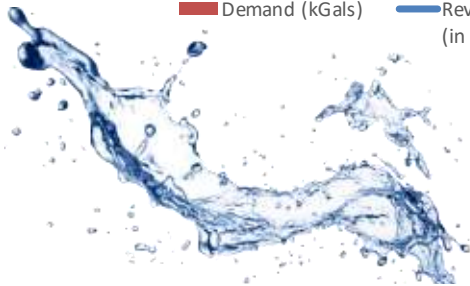
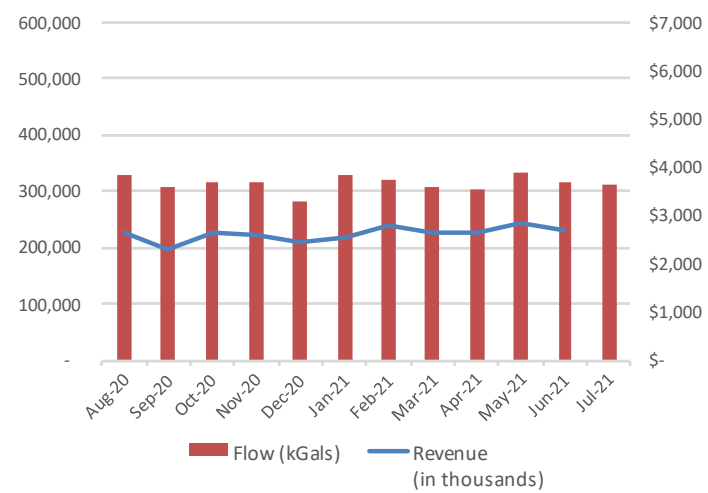


## Revenues and Demand

Water Revenue and Demand

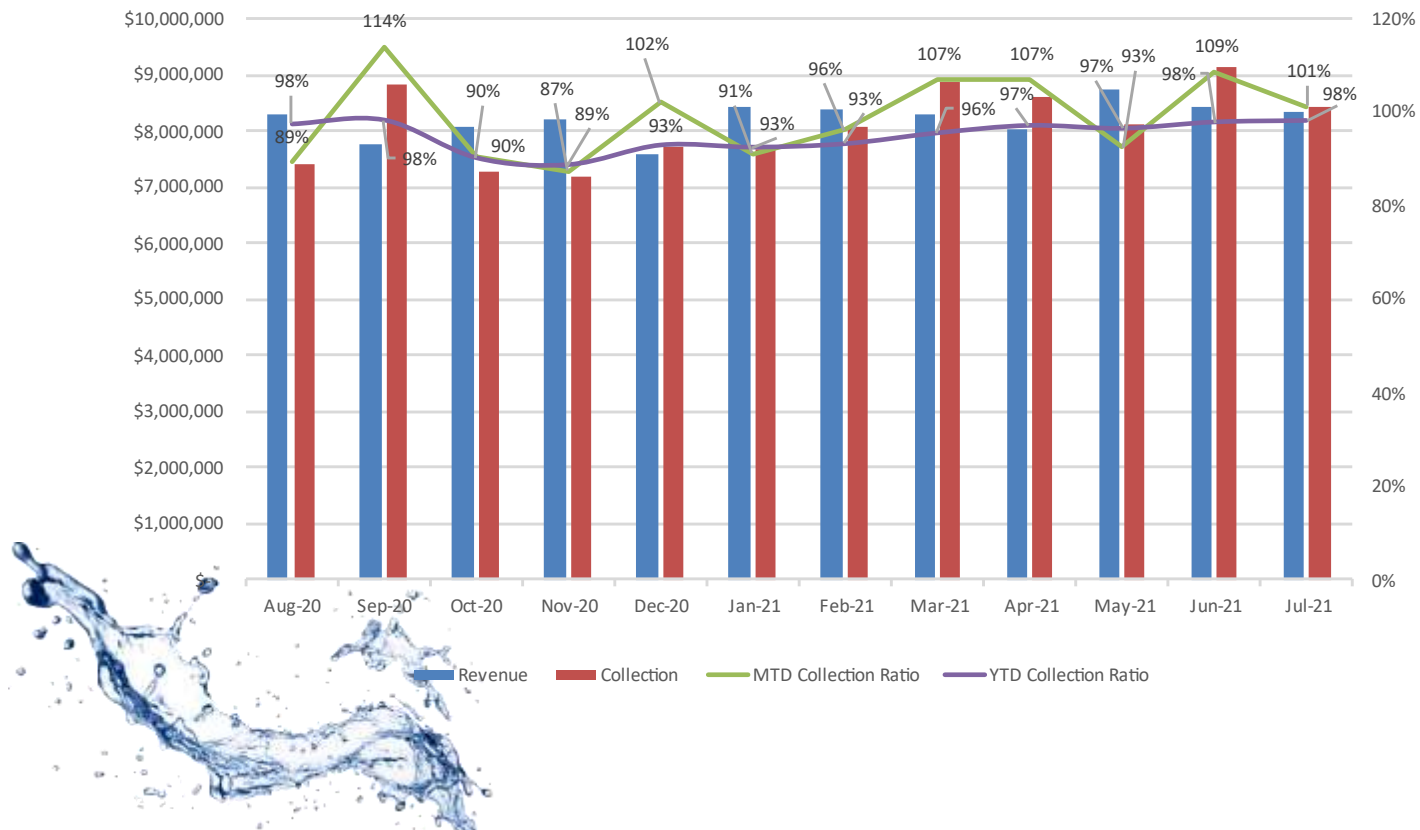


Wastewater Revenue and Flow



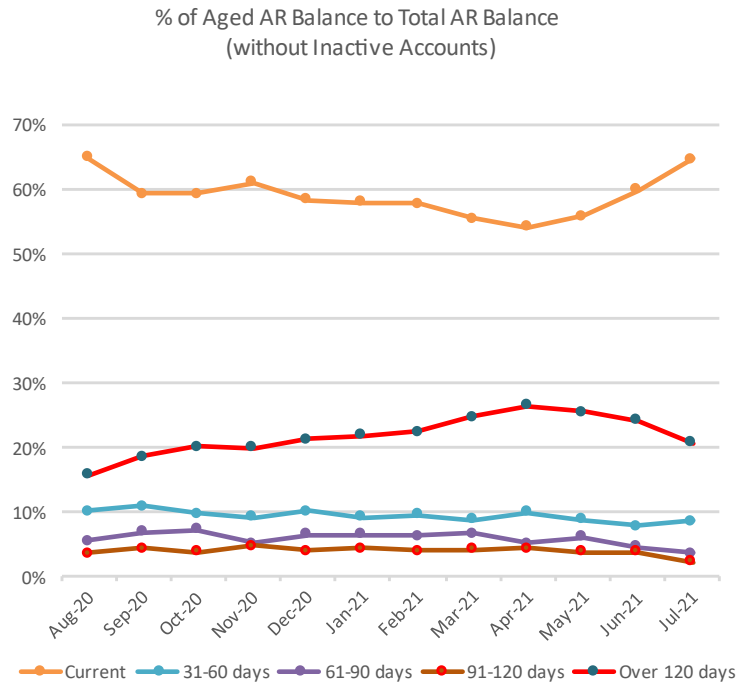
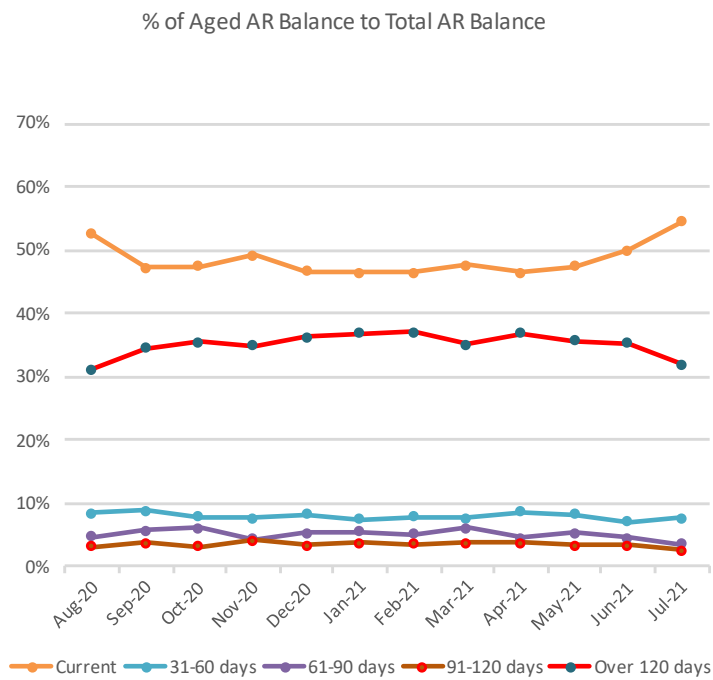


## Overall Revenues and Collections





## Overall – AR Aging



GWA Work Session - August 17, 2021 - DIVISION REPORTS

**GWA Utility Services Division**  
**Monthly Status Report**  
**Month ending JULY 2021**

FY2021		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	JULY 2021 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		07/10/21	07/17/21	07/24/21	07/31/21			WEEKLY AVERAGE JUN 2021	JUN 2021 MONTHLY TOTAL
<b>Collections Activities:</b>									
I.	Number of accounts cut for nonpayment:	112	137	106	97	452	113	125	627
II.	Number of accounts restored for nonpayment:	65	85	64	56	270	68	83	415
III.	Number of No water reports responded to:	0	0	0	0	0	0	0	0
IV.	Number of Secure/Unsecure valve reports responded to:	0	0	0	0	0	0	0	0
V.	Number of Verify reads responded to:	0	0	0	0	0	0	0	0
VI.	Number of new pay plans negotiated for active accounts:	90	103	81	73	347	87	129	644
VII.	Number of active pay plans negotiated and ongoing:	746	804	765	713		757	776	
VIII.	Number of inactive accounts with a payment arrangement:	9	9	9	9		9	9	
IX.	Number of broken payment plans:	145	41	28	24	238	60	59	294
<b>Customer Service Activities (lobby visits):</b>									
<b>A. GBN Public Service Building – Fadlan</b>									
i.	Total Customers Assisted:	186	209	153	206	754	189	249	1246
ii.	Total Abandoned Requests:	6	10	1	11	28	7	12	61
iii.	Average Wait Time:	11 minutes	7 minutes	7 minutes	8 minutes		8.25 minutes	10 minutes	
iv.	Average Service Time:	12 minutes	10 minutes	9 minutes	11 minutes		10.5 minutes	12.4 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	41	58	36	53	188	47	62	308
2.	Restore water cut for non payment:	14	11	4	6	35	9	9	44
3.	Terminate Water:	10	11	7	12	40	10	15	76
4.	Copy of Bill:	11	14	12	13	50	13	22	108
5.	Billing Dispute:	60	61	50	61	232	58	75	373
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	1
7.	General Questions & Other:	45	36	39	55	175	44	51	256
8.	Report a water leak:	0	0	0	0	0	0	0	1
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	7	8	5	9	29	7	18	92
<b>B. Julale Satellite Office – Hagatna</b>									
i.	Total Customers Assisted:	151	165	156	167	639	160	195	973
ii.	Total Abandoned Requests:	9	6	11	9	35	9	8	41
iii.	Average Wait Time:	4 minutes	5 minutes	8 minutes	6 minutes		5.75 minutes	6.4 minutes	
iv.	Average Service Time:	9 minutes	10 minutes	11 minutes	10 minutes		10 minutes	9.6 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	39	43	42	48	172	43	47	237
2.	Restore water cut for non payment:	7	14	26	9	56	14	17	86
3.	Terminate Water:	12	10	13	20	55	14	16	78
4.	Copy of Bill:	34	33	17	29	113	28	32	161
5.	Billing Dispute:	40	27	29	28	124	31	45	224
6.	Billing Dispute follow up:	0	0	0	2	2	1	0	0
7.	General Questions & Other:	26	26	24	29	105	26	27	137
8.	Report a water leak:	0	0	0	0	0	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	5	13	5	5	28	7	13	65
<b>C. Upper Tumon Satellite Office – Upper Tumon</b>									
i.	Total Customers Assisted:	182	180	187	196	745	186	201	1003
ii.	Total Abandoned Requests:	5	1	6	8	20	5	3	17
iii.	Average Wait Time:	4 minutes	2 minutes	5 minutes	3 minutes		3.5 minutes	4.2 minutes	
iv.	Average Service Time:	14 minutes	12 minutes	16 minutes	16 minutes		14.5 minutes	14 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	57	58	56	62	233	58	51	256
2.	Restore water cut for non payment:	17	13	14	26	70	18	18	91
3.	Terminate Water:	20	14	19	21	74	19	21	106
4.	Copy of Bill:	20	12	11	13	56	14	12	62
5.	Billing Dispute:	46	56	55	44	201	50	63	317
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0
7.	General Questions & Other:	23	20	26	29	98	25	20	98
8.	Report a water leak:	0	0	2	0	2	1	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	3	9	7	3	22	6	17	86

GWA Work Session - August 17, 2021 - DIVISION REPORTS

**GWA Utility Services Division**  
**Monthly Status Report**  
**Month ending JULY 2021**

FY2021 UTILITY SERVICES DIVISION ACTIVITIES						PREVIOUS MONTH	
	WEEK ENDING: 07/10/21	WEEK ENDING: 07/17/21	WEEK ENDING: 07/24/21	WEEK ENDING: 07/31/21	JULY 2021 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2021	JUN 2021 MONTHLY TOTAL
<b>Customer Service Activities (Electronic):</b>							
i. Emails Recieved:							
1. customers@guamwaterworks.org:	169	139	180	177	665	166	921
Request type (email):							
a. Apply for water:	47	29	40	36	152	38	193
b. Terminate Water:	18	11	21	21	71	18	110
c. Copy of Bill:	5	3	7	6	21	5	29
d. Billing Dispute & follow up:	4	16	12	9	41	10	65
e. General Questions & Other:	69	47	67	55	238	60	322
f. Report a water leak:	6	6	8	17	37	9	42
g. Report water theft:	0	0	0	0	0	0	0
h. Online services inquiry:	19	27	25	33	104	26	159
2. gwaservesme@guamwaterworks.org (realtors/prop mgrs):	1	0	0	0	1	0	1
ii. Emails Replied (both):	134	136	128	107	505	126	546
iii. Online Portal:							
Request type (online portal):							
a. Start Service:	2	0	2	2	6	2	3
b. Stop Service:	1	1	1	2	5	1	5
c. Payment Plan:	0	1	0	2	3	1	21
d. Customer Information Updates:	0	0	0	1	1	0	0
e. Service Investigations:	0	0	0	1	1	0	3
f. Account Inquiries:	2	0	0	1	3	1	6
g. Technical Support:	0	0	1	0	1	0	2
h. Outages & Emergencies:	0	1	0	0	1	0	0
<b>Call Center Activities:</b>							
i. Calls Recieved:	1222	1485	1066	1358	5131	1283	7046
ii. Calls Immediately Answered:	593	741	505	600	2439	610	3787
iii. Calls Abandoned:	64	68	48	67	247	62	269
iv. Calls Handled by Voice mail:	565	674	512	691	2442	611	2986
v. Average duration of call:	4 minutes	5 minutes	4 minutes	4 minutes		4.25 minutes	6 minutes
vi. Breakdown by request type:							
1. Apply/Terminate info:	29	25	27	32	113	28	172
2. Automated Telephone Call:	5	0	0	0	5	1	0
3. Balance Inquiry:	68	75	70	69	282	71	398
4. Call Back:	7	8	6	16	37	9	77
5. Dispatch:	14	52	22	25	113	28	106
6. Dispute:	0	1	0	0	1	0	3
7. Follow-up:	39	30	27	35	131	33	218
8. General Questions & Other:	200	212	158	198	768	192	1629
9. Route Calls to GWA Staff:	104	112	80	91	387	97	755
10. No Water:	23	71	7	22	123	31	159
11. Online/Phone App Help:	17	48	38	22	125	31	158
12. Pay by Phone:	84	104	61	73	322	81	499
13. Pay Plan:	31	33	34	33	131	33	217
14. Restore Non-payment:	22	36	21	17	96	24	114
15. Secure/Unsecure Valve:	11	7	7	8	33	8	53
16. Voice Mail:	69	55	54	74	252	63	404
17. Water leak:	10	7	10	5	32	8	52
<b>Bill Dispute &amp; Resolution Activities:</b>							
i. Dispute Resolution:							
1. Number of disputed accounts resolved:	11	10	9	11	41	10	36
2. Number of disputed accounts under review:	1714	1717	1715	1710		1714	1645
<b>Data Entry of Completed Field work in CIS:</b>							
i. Document Control:							
1. Number of field activities posted:	344	301	137	268	1050	263	902
2. Number of field activities pending:	365	352	370	176	1263	316	2854
<b>Field Response Activities:</b>							
I. Number of field activities assigned:	247	214	204	236	901	225	1319
II. Number of field activities completed:	272	223	218	273	986	247	1495
III. Number of field activities pending field action:	2	1	2	8	13	3	10

GWA Work Session - August 17, 2021 - DIVISION REPORTS

GWA Utility Services Division  
Monthly Status Report  
Month ending JULY 2021

FY2021		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	JULY 2021 MONTHLY TOTAL	WEEKLY AVERAGE JULY 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		07/10/21	07/17/21	07/24/21	07/31/21			WEEKLY AVERAGE JUN 2021	JUN 2021 MONTHLY TOTAL
<b>Meter Reading Activities:</b>									
I.	Number of meters read:								
A.	Electronically Read Meters:	8921	17575	5546	4006	36048	9012	8571	42857
B.	Manually Read Meters:	31	35	19	17	102	26	23	114
i.	Unread meters (Meters scheduled but not read):	10	15	3	10	38	10	10	50
ii.	Number of data logs received:	22	29	22	33	106	27	22	109
iii.	Number of data logs retrieved:	15	25	23	37	100	25	24	120
iv.	Number of data logs pending field action:	0	0	0	1	1	0	0	0
v.	Communication Errors/Reprogramming requests:	1	2	0	1	4	1	0	0
vi.	Number of estimated readings (for the week):	376	143	154	163	836	209	264	1322
vii.	Reasons for Estimations:								
1.	Cant locate meter:	0	2	1	0	3	1	1	4
2.	Temporary Obstruction:	0	0	0	0	0	0	0	2
3.	Vicious Dog:	0	0	0	0	0	0	0	0
4.	Flooded meter:	0	1	2	0	3	1	0	0
5.	Corrective action to database requested:	3	5	7	4	19	5	4	18
6.	Possible changed out meter:	7	13	3	10	33	8	6	28
7.	Communication/Programming error (code 92's):	1	0	0	1	2	1	0	2
8.	Other:								
a.	Leaks detected on customer's private line:	1422	3015	767	469	5673	1418	1310	6551
b.	Reverse Flow Detected:	345	96	136	131	708	177	234	1168
c.	No Usage Detected:	263	431	227	194	1115	279	272	1362
d.	Tamper Code:	6	7	2	4	19	5	5	27
C.	Electronic Read Percentage:	99.65%	99.80%	99.66%	99.58%		99.7%	99.7%	
<b>Illegal Connection &amp; Unauthorized Use of Water Activities:</b>									
I.	Number of Inactive Still Consuming Reports rec'd & investigated:	2	1	1	0	4	1	0	2
II.	Number of Illegal Connection reports rec'd & investigated:	2	1	3	1	7	2	1	7



## **Engineering Monthly Report August 2021**

**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	0.00%	100.00%
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	97.65%	2.35%	\$ 25,900,000.00	0.00%	100.00%
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	90.75%	9.25%	\$ -	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 Malojloj 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	99.70%	0.30%	\$ -	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	0.00%	100.00%
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	0.00%	100.00%
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	0.00%	100.00%
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	0.00%	100.00%
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	74.52%	25.48%	\$ 1,050,000.00	0.00%	100.00%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,055,478.00	56.98%	43.02%	\$ 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	90.16%	9.84%	\$ -	N/A	N/A
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 252,105.00	100.00%	0.00%	\$ -	N/A	N/A
WW 11-08	Agat-Santa Rita STP Replacement	\$ 2,226,659.06	89.93%	10.07%	\$ -	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	99.89%	0.11%	\$ -	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 Pitti 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	Finile 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	0.00%	100.00%
MP-WW-Pump-02	Tumon 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	0.00%	100.00%
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	79.29%	20.71%	\$ -	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	99.35%	0.65%	\$ -	N/A	N/A
MC 09-01	General Plant Improvements	\$ 1,543,760.00	88.61%	11.39%	\$ -	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	0.00%	100.00%
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	43.01%	56.99%
MP-Gen-Misc-05	GWA Infrastructure Improvements				\$ 2,500,000.00	0.00%	100.00%
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
	\$ 142,945,821	\$ 123,500,000

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	\$87.689	126**	\$84.384	96.23%	8.04
2013	\$140.819	88**	\$136.891	97.21%	18.67
2016	\$142.946	58**	\$132.438	92.65%	27.40
2020	\$123.590	13**	\$3.044	2.46%	2.81

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

\*\* Includes month of July 2021

\*\*\* 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>	
<50% Complete	<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><u>RFP</u></b> PW 09-02	<b>New Well Construction (Construction Management)</b>	
<50% Complete	<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> USEPA	<b>Design of Fujita Sewage Pump Station Redundant Force Main</b>	
<90% Complete	<b>Activities/Notes:</b> Negotiating fee proposal with the selected firm.	
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> USEPA-SRF	<b>Groundwater Wells A-02, A-07, A-12, D-05 and F-03 Rehabilitation (Re-Bid)</b>	
70% Complete	<b>Activities/Notes:</b> Project was advertised for construction on 08/04/2020. The bid proposal deadline has been extended and is due on 10/15/2020 per Addendum no.2. Designer submitted revisions to the plans and specification and will be included in an Addendum no.3 after GWA reviews.  As of 10/15/2020 - No bids were submitted. GWA is conducting feedback with registered bidders to determine cause for no bid submission.  Pending responses for no bid.  EPA funding for A-series project has been transferred to Rte. 1, Phase 2 Sewer: Construction, Deepwell Abandonment: Design, Santa Rita Springs Rehab: Design, and Water Hydraulic Model (Pressure Zone Realignment): Construction.	
Project Description:	Work to be performed under this project consist of rehabilitating four (4) existing production well sites including development, testing and permitting of a new production well.	

<b>BID PACKAGE</b> EE 09-02, EE 09-05 MP-PW-WELL-06	<b>Deep Well Power Line Conditioner Pilot Project</b>	
<50% Complete	<b>Activities/Notes:</b> Review and revisions of the design-build bid document still on-going.  Lighting System specifications being updated to incorporate energy efficient lighting systems.  Preliminary design plans being updated to incorporate further details and some changes.  This bid will use the design-build bid templates under development for a different project to maintain uniformity and avoid duplication of work.	
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.	

**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 2 (DCA)</b>	<b>Start Date:</b> April 2010
89% Complete	<b>Activities/Notes:</b> Remaining work is API inspection, API report, structural inspection, tank bypass planning, and partial construction for the repair work.  ID/IQ contract approved on 03/03/2021.  Ongoing CM inspection services for the Yigo no. 3 and Agat-Umatat steel tank repair and Santa Ana bypass work.  Windward Hills API final report received on 03/03/2021. Finalizing repair cost with Contractor. Change Order (CO) to be issued.  Continuing review of submittal, RFIs, and project payments.  Conducting meetings.  Astumbo no. 2 tank wall will be re-inspected due to active corrosion. <b>CCR for tank inspection prep is under review for approval.</b>	<b>Completion Date:</b> To be determined (TBD)
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> Design plans and specs continue to be reviewed and revised.  Last follow up sent to Alan Chen on 08/03/2021.	<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 me 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.</p> <p>Instrumentation building was requested by Ron Topasna. New building to house chlorine analyzers and TOCs equipment. Current location at bps is too small to properly house the equipment. <b>CO no. 6 for Instrumentation building under review.</b></p> <p>GWA and TGE are working on the SCADA modification plans and specifications to integrate new tank and processes.</p> <p>Designer is having issues scheduling the Archaeologist to prepare AMDP for submission to SHPO.</p> <p><u>Inarajan and Agfayan Booster Pump Station</u> Biological Assessment 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><u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update.</p>	<p><b>Completion Date:</b> Completion will be in line with construction completion.</p>
CO 29 (b)(4)	Engineering design services	

<b>Project Description:</b>	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> <b>(GHD Inc.)</b>	<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>Archaeological survey is pending archaeologist schedule. Biological survey completed.</p> <p>Need approval from GIAA/GEPA for GWA to abandon monitoring well. Designer is coordinating with GIAA/GEPA to get approvals prior to bid.</p> <p><u>Manenggon Reservoir and Access Booster Pump Station</u> 100% design revision submitted. Plans is under review by GWA. Electrical/instrumentation review complete.</p> <p>Biological Assessment 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><u>Piti Reservoir</u> 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><b>Completion Date:</b> Completion will be in line with construction completion.</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. Biological Assessment 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 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><u>A23-A25 Deepwell (PFAS Treatment)</u> A23 and A25 MOU signed by DPW and GWA.</p> <p>A23 and A25 100% reviewed by GWA. Designer is revising plans. Designer to submit 100% specifications for review.</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>Designer submitted a letter to NPS to coordinate the archaeological survey requirements with SHPO. Designer submitted SHPO Letter to NPS for review on 05/29/2021; received first comments 07/1/2021. Designer resubmitted revised SHPO letter to NPS for review on 07/12/2021; response pending</p> <p>Biological survey permit from NPS issued on 01/22/2021, and completed on 02/10/2021 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 03/29/2021. NPS comments received on 06/4/2021. Final report to NPS sent on 06/12/2021. New Chief of Resources hired for NPS, Timothy Clark, replacing Tahzay who was overseeing project. HDR following up with Tim Clark to try and bring him up-to-speed on project. Last follow-up on 08/05/2021. Affects both Biological Survey and 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 06/22/2021. DOAG responded on 07/01/2021, but letter did not reach GWA Engineering until 08/04/2021. Designer reviewing now and will respond accordingly. Pending GEPA response.</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</b> PW 09-11, PW 12-05	<b>Yigo/Astumbo Tank Construction (Pernix)</b>	<b>Start Date:</b> December 1, 2016
100% Complete	<b>Activities/Notes:</b> GWA and CM is working with Pernix to close out project. Final walkthrough completed.  Lien Release and Warranty documents received. Spare parts received. Final invoice processed. <b>Final retention payment has been released 07/2021.</b>	<b>Completion Date:</b> October 31, 2018
	Construction Services	
Project Description:	This project will involve construction of two (2) 2MG concrete tanks and Booster Pump Station at the Yigo site and a one (1) 2MG concrete tank at the Astumbo site. Work will involve new pipe line, valves, electrical controls, pumps and motors, site drainage, paving, generator for the BPS, SCADA, etc.	

<b><u>CONSTRUCTION MANAGEMENT</u></b> PW 09-11, PW 12-05	<b>Yigo/Astumbo Tank Construction Management (GHD)</b>	<b>Start Date:</b> December 2016
100% complete	<b>Activities/Notes:</b> Working to complete project close out requirements. To date, GWA has not received close out documents from the CM. <b>CM is working on putting close out package to submit to GWA. Once close out package has been submitted to GWA, the final payment will be processed.</b>	<b>Completion Date:</b> August 2019
N/A	Construction Management services	
<b>Project Description:</b>	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the demolition of existing steel elevate and ground tanks as well as the construction of the 2MG concrete tanks at the Yigo tank location and Astumbo tank location. 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><u>CONSTRUCTION MANAGEMENT</u></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 <b>is waiting for TGE to submit</b> CO no. 2 to close out CM services.	<b>Completion Date:</b> <b>December 2021</b>
N/A	Construction Management services	
<b>Project Description:</b>	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></p> <p><u>Tumon No. 1</u>          Tumon no. 1 online – 08/20/2020.</p> <p>Working on St. John's PRV. Contractor working on piping Northbound lane.</p> <p>Pale San Vitores HEP pending DPW approval. DPW will not issue permit until St. John's PRV work is completed.</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>Working on design plan to permanently use the Steel Temp Tank. Additional funding will need to be identified for the work.</p> <p><u>Barrigada</u>          Contractor working on electrical for booster and PRSV station.</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><u>Barrigada No. 2</u>          DN Tanks completed internal repairs.</p>	<p><b>Completion Date:</b>          TBD          (Completion date has passed. Pending time extension for permit delays.)</p>

	Negotiating scope and cost with Contractor to repair internal pipe coating.	
	Construction Services	
Project Description:	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.	

<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
<b>Completion</b>  Santa Rita - 42%  Santa Rosa - 45%  Sinifa - 21%	<b>Activities/Notes:</b> Change Order 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.	<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
9.6% Complete (based on Contractor's latest invoice as of April 2021)	<b>Activities/Notes:</b> Santa Rosa: New tank foundation, retaining wall, vault, site piping, detention basin, and site piping work are ongoing.  Santa Rita: New tank foundation preparation, pile rebar cage, detention basin, vault, and site piping are ongoing.  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. Contractor proposed to use pre-casted driven piles in lieu of CIDH (cast-in-place drilled holes). Currently,	<b>Completion Date:</b> Santa Rosa Final Completion – February 13, 2022  Santa Rita Final Completion – March 15, 2022  Sinifa Final Completion – January 14, 2022



	the EOR, CM, and Contractor are preparing different options for evaluation.	
	Sinifa: New tank foundation preparation and retaining wall work ongoing.	
	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><u>CONSTRUCTION</u></b>	<b>Pressure Zone Realignment and Tank Repair-Replacement – Phase I (Sumitomo)</b>	<b>Start Date:</b> December 17, 2019 (Notification of Award)
31.2% Complete	<b>Activities/Notes:</b> Construction work active at Kaiser, Carnation, Ysengsong, and Okkodo PRV sites. Construction meetings are ongoing. CO no. 1 for additive bid items, Terao and Maimai <b>cost escalation and time/permit delays due to COVID-19 has been sent to Accounting for processing. Outage for Carnation (PRV 15) is still pending as Ops encountered difficulties after testing valves. Maimai and Terao work to start soon- pending clearance.</b>	<b>Completion Date:</b>
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><u>DESIGN</u></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.  Phase I - 100% (Design)  Phase II - 90% (Design)  Phase III - 30%	<b>Activities/Notes:</b> Designer submitted Phase II 60% plans on 08/04/2020 and reviewed by Water CIP Engineering team on 08/11/2020.  Engineering, Operations and designers performed several site visits and investigations for Phase II and III. Resolution for CO no. 3 on Design services for Nimitz Hill Waterline Replacement and Phase II CM services is in the works approved 02/29/2021. CO no. 3 signed by GHD on 03/25/2021 and is with Accounting for processing.	<b>Completion Date:</b>

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.	

<b>DESIGN, CONSTRUCTION, CONSTRUCTION MANAGEMENT</b> PW 09-11	<b>Tank Repair and Bypass (DCA, AIC, GWA)</b>	<b>Start Date:</b> May 1, 2020
<b>31% Complete</b>	<p><b>Activities/Notes:</b></p> <p>Construction contract effective 04/21/2020. NTP issued 05/01/2020 with modified language for work starting onsite.</p> <p>Agat-Umatat interior metal repair completed. Anchor bolts installed. Interior sandblasting for recoating is underway. Lead paint abatement underway for portions of tank exterior.</p> <p>Contractor has completed coating of Yigo no. 3 tank exterior. Interior coating is underway. <b>Roof purlin repair completed. Internal sandblasting and recoating are ongoing.</b></p> <p>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.</p> <p>Metal plate may be used to repair Windward Hills tank, which is more crucial than Astumbo. Awaiting Windward permits to begin repair. Permit is with <b>DPW</b>.</p> <p>Santa Ana bypass work is ongoing. Check valve issue has been rectified. Contractor proceeding with electrical work at the Santa Ana bps. Bypass may be tested without contractor's completion of the bypass. Awaiting GWA operations scheduling.</p> <p>Ladda PSRV installed.</p> <p>Malojloj bypass work ongoing. Valving will need to be adjusted due to shallow pipes encountered. <b>Outage to be scheduled to install bypass.</b></p> <p>Gues and Togan bypass work is underway with submittals. Geus building demolished. Booster pump skids arrived. Contractor to begin work.</p>	<b>Completion Date:</b> TBD (Dependent on repairs required after inspection)
<b>Project Description:</b>	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.	

<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.	<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
38% Complete	<b>Activities/Notes:</b> A total of 27 FH was installed out of 72. Contractor is continuously doing the FH replacement work in Dededo Area.  Disinfection Report no.2 submitted on 07/22/2021: Bacteriological sampling tested negative for the 8 FH completed in July 2021.	<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
78.8% Complete	<p><b>Activities/Notes:</b> 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, and A-10. To date, 24 wells were completed and 8 more wells to go. The remaining wells have issues with water level in the tanks. Work on these wells will be allowed when water level in the tanks improve.</p> <p>A change order in the amount of \$42,202.16 for the extension of discharge for wells D-01, M-02, A-04, AG-01, and AG-02 including contract time extension to 10/27/2021 was approved on 07/22/2021.</p> <p>The Contractor submitted second billing for \$379,440.00 which was approved and transmitted to Finance on 07/13/2021.</p> <p>A change order to award Additive Bid no. 1 for additional 15 wells is in process.</p>	<b>Completion Date:</b> October 27, 2021
	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>DESIGN AND CONSTRUCTION</b> PW 09-03	<b>Casimiru Waterline Replacement Project (Giant Construction)</b>	<b>Start Date:</b> February 8, 2021
11.6% Complete	<p><b>Activities/Notes:</b> The 100% design drawings submittal was received 07/20/2021. Comments were transmitted to the Contractor on 07/23/2021.</p> <p>All material piping materials arrived on island.</p> <p>A deductive change order for the deletion of topographic survey is under negotiation.</p>	<b>Completion Date:</b> March 8, 2022
	Design and Construction services	
Project Description:	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.	

<b>CONSTRUCTION</b> PW 09-03 MP-PW-PIPE 12	<b>Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement</b>	<b>Start Date:</b>
6% Complete	<b>Activities/Notes:</b> Securing building permit. As a condition, DPR requires GWA to hire an archaeologist to monitor Tai Road and Blas St. before encroachment permit clearance is released. DPW requires shop drawings to comply with new road restoration and manhole details.  Waiting for off-island materials.	<b>Completion Date:</b> Jun 16, 2022
Project Description:	Work to be performed under this project consist of replacing an existing 6-inch asbestos cement pipe (ACP) water line with a 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; reconnecting existing branch water lines, service connections and other water appurtenance connections from an existing 6-inch ACP water line to an existing 12-inch PVC water line along Canada-Toto Loop; and replacing an existing 6-inch ACP water line with a new 6-inch PVC water line along Blas Street.	

#### **D. CIP Wastewater Section**

<b>CONSTRUCTION</b> WW 09-06	<b>Bayside SPS Improvements Design (EMPSCO)</b>	<b>Start Date:</b>
32% Construction Services	<b>Activities/Notes:</b> Mechanical piping layout at the ground floor on going.  Installation of submersible pump at wet well ongoing.  Slab for gen set completed.  Installation of panel board, step down transformer ongoing.  Continuous review of submittal, shop drawings, and RFIs.  CO no. executed on 06/11/2021.  Payment application no. 2 paid.	<b>Completion Date:</b> November 28, 2021
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> <b>MP-WW-PIPE-01</b>	<b>Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation (Ian Corporation)</b>	<b>Start Date:</b> May 3, 2021
0% Complete	<b>Activities/Notes:</b>  Project sign approved on 07/14/2021.  Contractor and CM to coordinate daisy-chaining locks for site access.  Contractor completed required clearances for building permit application; pending issuance at DPW.  Contractor working on submittals.	<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.	

<b>CM</b> <b>MP-WW-PIPE-01</b>	<b>Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation (DCA)</b>	<b>Start Date:</b> May 3, 2021
0% Complete	<b>Activities/Notes:</b> ID/IQ PM CM Task Order no. 4 contract with DCA approved and effective as of 06/17/2021.	<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 on-going. Scoping details discussed.	<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.	

**F. GIS Section**

<b>MAPPING</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>MAPPING</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> First 3 land registration maps signed by GWA GM. Submitted to DCA for DLM survey process. Delay in review and comment process at DLM survey 05/10/2021.	<b>Completion Date:</b> December 2019 - Request for extension sent to GM 10/29/2019 – 2 <sup>nd</sup> request for extension sent to GM 05/03/2021 due to myriad of reasons - Covid-19 government shutdown, extended periods of inclement weather, delays in DLM Survey review and approval of property maps and changes of additional scope of survey work.
	Survey services	
<b>Project Description:</b>	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 2021

Description	2021												TOTAL
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Building Permit	26	24	24	19	42	38	15						188
Occupancy Permit	11	11	11	18	8	3	9						71
New Installation	19	30	31	29	5	9	18						141
Sewer Application	0	4	4	6	0	1	2						17
Sewer Inspection	0	0	1	1	0	0	0						2
Private Utility Acceptance	0	1	1	0	0	1	0						3
Relocation of Water Meter	2	1	2	0	0	0	0						5
Tapping-Water	1	1	1	2	1	1	0						7
Tapping-Sewer	1	0	1	1	0	0	0						3
Clearance-Water	25	50	51	45	22	50	12						255
Clearance-Sewer	1	0	0	1	0	0	0						2
Highway Encroachment	9	13	13	19	5	23	8						90
Verification of Utilities	14	12	12	19	13	11	9						90
Fire Flow Test	1	0	2	0	0	0	0						3
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** 2021

Description	2021											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit	35	25	25	16	14	17	37 <sup>a1</sup>					
Occupancy Permit	0	0	0	0	0	0	0					
New Installation	56	24	23	33	96	24	24					
Sewer Application	0	0	0	0	0	0	0					
Sewer Inspection	0	0	7	0	0	0	0					
Private Utility Acceptance	0	10	7	0	0	30	0					
Relocation of Water Meter	259	81	57	0	0	0	0					
Tapping-Water	93	35	35	20	280	22	0					
Tapping-Sewer	0	0	123	7	0	0	0					
Clearance-Water	4	3	3	43	6	3	18					
Clearance-Sewer	7	0	0	7	0	0	0					
Highway Encroachment	0	0	0	0	0	0	0					
Verification of Utilities	16	43	43	18	14	14	20 <sup>a2</sup>					
Fire Flow Test	16	0	3	0	0	0	0					
Schedule Water Outage	0	0	0	0	0	0	0					

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

**a1:** Additional information/revised plans were needed. Key staff member went on medical leave.

**a2:** 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 17, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/05/2021
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.  Also, Archaeological monitoring through HDR contract.  HDR CO for archaeological monitoring and additional construction services approved by GWA. This CO includes design services for Phase II (Adelup to Hagatna).
			Construction	2	11/9/2018	3/30/2021	\$6,275,783.00	InfraTech	InfraTech (via Allied Trenchless) completed all CIPP and line ends at manhole grouting. Punch list items being corrected.  All point repairs completed.  All CIPP completed. Punchlist items being corrected. Remaining work is only Fonte River inverted siphon cleaning and CCTV <b>completed</b> .  Contractor claiming for re-ordering CIPP materials (\$166K). Preliminary recommendation by CM and PM is that the claim is unwarranted. PM revisited and sent conclusion to GWA for review.  CO no. 6 submitted to GWA.  CM evaluating claims from Contractor.
			Construction (Phase II)				\$ 8,742,000.00	CoreTech/Hawaiian Dredging	Contractor <b>secured all required permits</b> .  CCTV inspection and initial cleaning completed 07/07/2021. <b>Liner designed and submitted for approval. Two segments need point repairs that will begin this week (weather permitting).</b>  <b>RFI regarding installation of Line C or lining the existing main currently under review. Field inspection of conditions to be made to make recommendation.</b>
			CM	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 2 submitted and accepted by GWA. CO to add CM for Phase 2 prepared for GWA. CO pending GWA execution.

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/05/2021
4	Route 2 Agat War in the Pacific Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	3	11/17/2015	3/30/2017 for Design requirements	\$ 316,681.00	SSFm	Providing designer support during construction. Final invoice submitted to GWA on 05/01/2020. Project is completed.
			Construction	3	8/31/2017	10/1/2018 (Contractor in LD period)	\$4,688,042.38	ProPacific Builders	GWA should follow-up with PPBC regarding the warranty CCTV for pipe between SMH 2 through 10 where a repair was made.  Final Payment Request received from contractor and sent to GWA for payment. <b>Project is completed.</b>  Project files and As-Builts submitted to GWA.
			Construction (Phase 2)						B&C working with HDR to prepare bid documents for RT1 Asan-Adelup-Agana PH2.
			CM	3	9/19/2017	10/1/2018	\$ 749,950.00	TG Engineers	As-built drawings received from TG and forwarded to GWA. Project completed.
7	Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5)	Brown & Caldwell	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					No firm submitted a bid proposal. GWA Project Engineer to reassess and make additional changes to the bid package (ongoing). At this time, no response from potential firms (Well Drillers). Only two well drillers on Guam.
			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	See Project 15
			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.
12	Route 4 Relief Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	9	3/1/2016	4/22/2017	\$ 794,000.00	AECOM	AECOM concluded that the intertie pipe that was installed with deviations (not first approved) from the design plans does not have a significant effect on the performance of either sewer line. GWA asked for concurrence of acceptance. GWA accepted as constructed.  GWA to submit post-construction AMDR to SHPO.  Project is complete.
			Construction	5	9/3/2018	6/30/2020	\$ 3,998,688.00	Insituform	Final Payment submitted to GWA. Project is complete. Project files and As-Builts delivered to GWA.
				6	9/25/2018	6/30/2020	\$ 3,407,848.00	ProPacific	Final payment processed. Project files and As-Builts delivered to GWA. Project is complete.
			CM	6	11/15/2018	12/31/2019	\$ 702,678.13	EMPSCO	Consultant delivered close-out documentation to BC. BC delivered same to GWA.

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/05/2021
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	Due to issue related to Santa Rita sewer project completion under analysis.	\$ 1,189,815.00	ProPacific	<p>Santa Rita</p> <ul style="list-style-type: none"> <li>Task order amendments –Survey subcontract and budget increase pending GWA review and comment.</li> <li>Construction <ul style="list-style-type: none"> <li>Forcemain pipe is laid into trench</li> <li>A section of the forcemain will have a mechanical joint with a concrete encasement due to an existing storm drain line that was encountered during the excavation of the trench.</li> <li>Forcemain was hydrostatic tested.</li> </ul> </li> <li>Completed installation of terminal manhole.</li> <li>Installed 8" PVC gravity line from terminal manhole to existing manhole on Pale Ferdinand Way.</li> <li>Road has been restored. Some deficiencies on asphalt. Contractor will restore upon project completion.</li> <li>Contractor plugging abandoned gravity lines in wetland.</li> <li>Wet well on site.</li> <li>GWA inspection and cleaning of receiving gravity sewer lines along Pale Ferdinand.</li> </ul>
			CM	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	Closed out. Does USEPA need anything?
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	<ul style="list-style-type: none"> <li>Contractor started mobilization on Site no. 2.</li> <li>Change order proposal for Site no. 3 still pending; Contractor to re-backfill trench restoration with flowable fill per plans and specs; Contractor to complete manhole rehabilitation for Site no. 3.</li> <li>Installed sewer lines on Site no. 1-Winner Apts. pending deflection test and asphalt restoration.</li> <li>Manhole rehabilitation on on Site no. 1 completed.</li> <li>Contractor begins pre-mobilization activities for Site no. 1- Pancoso Palting St.: public notices; work plan.</li> </ul>
			CM	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/05/2021
16	Talofofo Sewer Pump Stations (4 Stations)	J. Miller	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	11/30/2017	\$ 493,818.86	EMPSCO	<ul style="list-style-type: none"> <li>Construction Cost Estimates and Final Design documents were accepted on 02/04/2021.</li> <li>Reviewing sewer connection laws and regulations for establishing updated expected flows.</li> </ul>
			Construction	10	12/27/2018	5/29/2020	\$ 2,411,418.00	Giant Const.	<ul style="list-style-type: none"> <li>Latest letter from GWA extends project completion date to 08/31/2020. Giant currently working on an updated time extension letter.</li> <li>Giant found and ordered a 3G auto-dialer modem. Waiting for shipment and testing.</li> <li>Giant ordered another generator socket. Waiting on installation and testing.</li> <li>GWA will issue Substantial Completion after successful testing of generators.</li> <li>Giant waiting on material shipment for pressure gauge tees.</li> </ul> <p>No new invoices received.</p>
			CM		12/1/2018	12/31/2019			GWA Engineering will manage construction management tasks.
18	Water Hydraulic Model (SCADA ready instruments to update Model)	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	\$ 4,532,000.00	Sumitomo	<ul style="list-style-type: none"> <li>Pending: CO no. 1 has been sent for processing. CO no. 1 now includes the additive bid items (Terao and Maimai), increase in cost of materials, and time extension due to COVID 19.</li> <li>Pending: COP no. 5.</li> <li>5 of 9 sites work in progress (Ysengsong, Clara, Kaiser, Okkodo, and Carnation). Pending sites Maimai, Yigo Reservoir, Astumbo Reservoir, Terao PRV. Work for Maimai and Terao PRV's pending clearances.</li> </ul>
			CM		6/15/2019	6/30/2020			
23	Project Advertisement	Engineering/Procurement	MISC	1			\$ 25,172.50	PDN/Post	On-going



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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 08/05/2021
24	Dungca Beach Sewer Improvements	GWA CIP Engr	Design						<ul style="list-style-type: none"> <li>• Bi-weekly meeting in progress.</li> <li>• Project Management Plan <b>ongoing</b>.</li> <li>• Project schedule submitted.</li> <li>• Designer working with subcontractors to schedule and identify location of existing sewer manhole, surface and underground utilities GPA, GWA &amp; Docomo.</li> <li>• Designer coordinate his subcontractor to perform the survey as soon as possible, the survey will include work on private property in order to design reconnections for sewer laterals that are connected to the main on the beach. The private property surveys will include existing structures and site improvements such as patios and landscaping that may be affected by future construction.</li> <li>• GWA prepare notification letter to residents that sewer line replacement project in the village along the shore line will be relocated to Trankilo road and Lagoon drive.</li> <li>• Site survey to start , identify location of existing sewer manhole, surface, and underground utilities.</li> </ul>
25	Hagatna Sewer Pump Station Force Main	GWA CIP Engr	Design						<ul style="list-style-type: none"> <li>• NEPA documents are still in progress. SHPO requires an Archaeological Monitoring Plan.</li> <li>• GHD performing environmental analysis.</li> <li>• Progress meeting held on 07/28/2021.</li> <li>• Site visit with GHD at Hagatna Main SPS held on 07/29/2021.</li> </ul>
26	Fujita Sewer Pump Station Force Main	GWA CIP Engr	Design						AECOM to submit revised design proposal.
27	2021 Well Rehab (A-28, M-14, D-15 & F-7)	GWA CIP Engr	Design						Draft RFP with <b>Brett Railey</b> for review. Project is to be assigned to J. Mendiola.

\$ 71,123,861.14



## Financial Statement Overview July 2021

There were 184 COVID-19 positive tests and 3 COVID-related fatality reported during the month of July. Executive Order 2021-16 extended the public health emergency to August 30, 2021. While the island successfully vaccinated 80% of the adult population in July, the Island currently remains in PCOR 3. Except for the mask mandate, many of the mandates put in place as a result of the pandemic have been lifted.

By the end of July, Guam had received 233,450 vaccines, 185,289 or 79.37% were administered, and 102,780 persons fully immunized. Through July, Guam Army National Guard (National Guard) has been administering vaccines at the UOG fieldhouse. Vaccines were also provided at various locations throughout the island, including village locations, the Micronesian Mall and through certain clinics and pharmacies. Clinics will continue to be available in August, albeit in a more limited fashion.

On July 30, 2021, the island's COVID Area Risk (CAR) score was at .5 and testing was available to the public at no charge at various locations throughout the island.

On August 6, 2021, the average daily positive test rate for August was 22 and the CAR score was at 5.4. As a result, on August 6, 2021, the Governor issued Executive Order 2021-17, effective August 9, 2021, mandating Government of Guam executive branch employees receive the COVID-19 vaccine, or they will be required to test weekly for COVID-19. These workers must be fully vaccinated by September 24, 2021. She has encouraged all other GovGuam agencies and branches and local businesses to follow suit.

Despite the pandemic, a little more than a third of payments continue to be made in person. Beginning in August, ratepayers will be able to access one of the walkup windows in Upper Tumon to make payments; the drive through will continue to remain open.

Using social media, GWA continues to encourage customers to conduct business online or via the phone. Additionally, an automated customer service online support portal is available on the GWA website for permits, submissions related to backflow testing, payment plans, and other customer related requests.

On April 28, 2020, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. To date, approximately 44% of payments made in FY21 were made with credit cards. Below is a summary of payments made exceeding the limit and related fees.

Month	Customer Count	Amount Paid	Fees	% Of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October – December 2020	100	\$194,764	\$3,916	2.01%
January – March 2021	122	\$272,887	\$5,487	2.01%
April – June 2021	150	\$333,368	\$6,703	2.01%
July 2021	50	\$160,497	\$2,141	2.01%

Compared to last year, water consumption is down 10% and wastewater flows are down 8% for the month of July. Water consumption decreased in the residential class and increased in Commercial 1 & 3, Hotels, and



GovGuam, as businesses reopen and employees return to their work sites; wastewater flows followed similar patterns.

Both Year to Date (YTD) water and wastewater demand were down 8% and 7% respectively compared to last year. Residential water demand was about the same as last year, except for the Federal Government, demand in all other customer classes decreased. Wastewater flows decreased for most customer classes with the exception of residential and GovGuam. Note that the number of YTD billing days for 2021 is 5 days less than 2020.

YTD average daily water consumption for the period is down 6% from 15,880 to 14,913 kgals. YTD average daily water consumption for the residential class increased by 2%, from 9,991 to 10,160 kgals. The largest drop in YTD average daily water consumption was in the hotel class, a 74% drop going from 2,161 to 1,239 kgals. While the average daily consumption drop for Golf Courses was 138%, this drop was 10 kgals, from 17 to 7 kgals.

The first day of school of the 2021-2022 school year is scheduled to be August 12, 2021. GDOE anticipates a return by a majority of students to the classroom with the CDC recommending a return to face-to-face classes. While GCC will resume in person classes, UOG will continue virtual classes. See Schedule K for Water Demand for FY2015 to FY2021.

For the month of July, Finance posted \$102,126.34 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Emergency Rental Assistance Program funded through the second federal relief act. Customer Service is working with DOA to ensure that residents who qualify for the program are not disconnected while payments are in process. Once funding becomes available, DOA will also administer the homeowner assistance program which also includes assistance for utilities.

GWA was recently advised that it could not directly administer the Low-Income Household Water Assistance Program funded by US Department of Health and Human Services. The Governor will need to redesignate a lead agency. While utility assistance programs will likely be available for ratepayers through next year, September 4 will mark the end of the federal-funded Pandemic Unemployment Assistance and Federal Pandemic Unemployment Compensation programs.

The Guam Visitors Bureau kicked off its Air V&V (Vaccination and Vacation) program to entice visitors (US citizens, green card holders, and non-citizens) to Guam. Participating hotels will assist with scheduling the vaccine and PCR tests. International travelers must provide a negative PCR test before boarding their flight to Guam, will receive a COVID-19 test the day following their arrival, and must undergo a 7-day self-paid quarantine. Additionally, to assist with their return, travelers will get a PCR test no more than 72 hours prior to departure.

The first direct flight from Taiwan in more than a year and a half arrived on July 6<sup>th</sup> with 153 passengers. GVB is providing free trolley service for island residents and visitors through the month of August. Flights from Korea to Guam will resume in August.

As the recovery of Guam's economy is slower than expected, revenues are coming in below projections. A cost containment plan is in place to respond to the revenue reductions. While sufficient cash reserves are in place, management will continue to assess the situation and make any course corrections required to ensure continuity of services to our customers while keeping the safety of our staff the highest priority.

The system upgrade, moving from JD Edwards World to JD Edwards Enterprise 1 (E1), occurred on May 10. Employees are now able to update work orders in the field using a mobile application integrated with both



E1 and CC&B, our customer information system. Staff has begun to meet weekly to ensure the system is working as expected. Phase II of the implementation will start in the near future.

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. Additionally, other analytical study related excel models were also provided. A scheduling order was issued by the Administrative Law Judge (ALJ) on May 3, 2021, and amended on May 4, 2021.

In July, GWA responded to the second set of Requests for Information from the Navy and the PUC Consultant (Consultant). The Consultant filed a Request for Relief on June 17 and an amended Request for Relief on July 18, 2021, suggesting that the excel models provided by GWA do not allow the Consultant to adequately perform analyses. GWA has provided several workshops on the models and has refuted the position taken by the Consultant.

On July 15, GWA reached out to the Consultant regarding settlement discussions; the Consultant has taken the position that an ALJ ruling on their Requests for Relief is required before any settlement discussions are possible. On August 5<sup>th</sup>, the ALJ ordered that any password protections on the submitted models be removed.

While the amended scheduling order calendared the evidentiary hearings in early September and the ALJ Report and Proposed Order by September 17, 2021, in time for the PUC to address the Financial Plan Update at its September 30, 2021, meeting, on August 12<sup>th</sup>, the ALJ conducted a teleconference to determine scheduling changes. It is anticipated the ALJ will release an amended schedule the week of August 16, 2021.

#### ***Balance Sheet (Schedule A)***

- Total Assets & Deferred Outflows of Resources of \$1.152B in September 2020 increased by \$22.8M or 2% in July 2021 to \$1.175B. Current Assets decreased by \$659K primarily due to reductions in receivables and prepaid expenses offset by increases in cash. Property, Plant and Equipment increased by \$51.3M. Other Noncurrent Assets decreased by \$27.2M due to reductions in restricted cash and investments. Days Cash on Hand was calculated at 297 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$889.1M in September 2020 decreased by \$20M or 2% to \$869M in July 2021 primarily due to reductions in contractors payable, bonds payable and interest payable offset by an increase in trade accounts payable.
- Accounts Receivable days were 45 days in July, up one day compared to June 2021. Accounts Payable days were 39 days in July, up 9 days from June 2021. 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 2021 of \$8.6M were 9% or \$848K less than budget of \$9.5M and 1% or \$112K more than July 2020's \$8.5M as businesses begin to open due to the relaxation of public health emergency restrictions as well as the 5% rate increase effective in October 2020.
- Year to Date Operating Revenues as of July 2021 of \$84.1M were 11% or \$10.7M below budget of \$94.8M and \$5M or 6% below Year-to-Date Operating Revenues in July 2020 of \$89.1M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2021 and FY2020 Year to Date as of July as well as the revenue totals:



Customer Class	FY2021		FY2020	
o Residential	\$40,766,735	49.60%	\$38,815,024	44.15%
o Commercial	\$17,098,849	20.80%	\$17,676,768	20.10%
o Hotel	\$10,750,108	13.08%	\$17,793,174	20.24%
o Government of Guam	\$8,271,162	10.06%	\$7,961,881	9.06%
o Federal Government	\$4,824,932	5.87%	\$5,125,236	5.83%
o Agriculture, Golf Course, Irrigation	\$475,005	.58%	\$551,469	.63%

- Total Operating Expenses for July 2021 of \$7.1M were \$360K or 5% lower than budget of \$7.5M. Total Operating Expenses for July 2021 were 1% or \$39K more than June 2020's \$7.07M.
- Year to Date Operating Expenses in July 2021 of \$69.2M were \$5.5M or 7% lower than budget of \$74.7M. Year to Date Operating Expenses in July 2021 were \$3.3M or 5% less than last year's \$72.5M.
- Earnings from Operations for July 2021 of \$1.5M were 24% or \$488K less than the budget of \$2M and 5% or \$73K more than July 2020's \$1.5M. Change in Net Assets for July 2021 of \$8.7M was 212% or \$5.9M more than the \$2.8M budget and \$1.2M or 16% more than July 2020's \$7.5M.
- Year to Date Earnings from Operations as of July 2021 of \$14.9M were 26% or \$5.2M less than budget of \$20.1M and 10% or \$1.7M less than YTD Earnings of \$16.6M as of July 2020. Year to Date Change in Net Assets as of July 2021 of \$42.9M were \$14.95M or 54% more than budget of \$27.9M. Year to Date Change in Net Assets as of July 2021 were \$2.8M or 6% less than YTD as of July 2020 of \$45.7M.

#### Key Financial Indicators

Indicator	Target	June 2021	July 2021
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.34	1.35
• Per PUC / CCU	1.40	1.34	1.35
Days – Cash on Hand	120 days	306 days	297 days
Collection Ratio			
• Month to Date	99%	108%	107%
• Year to Date	99%	98%	98%
Days Billed	30 days	30 days	30 days
Account Receivable Days	30 days	44 days	45 days
Account Payable Days	45 days	30 days	39 days
Employee Count	400 FTE	361 FTE	363 FTE
Water Demand			
• Month to Date	478,754	455,272	437,864
• Year to Date	4,787,542	4,006,145	4,444,009
Wastewater Flow			
• Month to Date	356,472	315,154	311,764
• Year to Date	3,564,723	2,829,368	3,141,131
Water Customers	42,839	43,157	43,258
Wastewater Customers	29,805	29,998	29,885

**GUAM WATERWORKS AUTHORITY**  
**July 31, 2021**  
**FINANCIAL AND RELATED REPORTS**  
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GWA Work Session - August 17, 2021 - DIVISION REPORTS

**GUAM WATERWORKS AUTHORITY**  
Balance Sheet  
July 31, 2021

**SCHEDULE A**

	Unaudited July 31, 2021	Audited September 30, 2020	Increase (Decrease)
<b>ASSETS AND DEFERRED OUTFLOWS of RESOURCES</b>			
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule G)	44,726,634	42,479,412	2,247,222
Restricted Funds (Schedule G)	30,899,449	30,072,502	826,948
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$8,229,726 at Jul 31, 2021 and \$8,027,857 at Sep 30, 2020	11,906,505	12,562,296	(655,791)
Federal Receivable	6,429,796	8,168,373	(1,738,578)
Other Receivable	837,714	902,423	(64,710)
Prepaid Expenses	1,167,720	2,615,782	(1,448,061)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Jul 31, 2021 and \$64,131 at Sep 30, 2020	4,978,221	4,804,466	173,755
Total Current Assets	100,946,039	101,605,252	(659,214)
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	403,634,411	378,498,710	25,135,701
Wastewater system	493,264,365	481,549,640	11,714,725
Non-utility property	29,496,744	25,752,939	3,743,805
Total property	926,395,520	885,801,289	40,594,231
Less: Accumulated Depreciation	(364,168,067)	(343,128,759)	(21,039,308)
Land	5,240,187	5,240,187	-
Construction Work in Progress	182,025,753	150,323,347	31,702,406
Property, Plant and Equipment, net	749,493,394	698,236,064	51,257,329
<u>Noncurrent assets</u>			
Restricted cash (Schedule G)	196,295,197	219,203,039	(22,907,841)
Investments (Schedule G)	62,288,008	66,616,997	(4,328,988)
Total other noncurrent assets and deferred charges	258,583,206	285,820,035	(27,236,829)
<b>Total Assets</b>	<b>1,109,022,638</b>	<b>1,085,661,352</b>	<b>23,361,286</b>
Deferred outflows of resources			
Regulatory Assets	1,610,021	430,962	1,179,059
Debt defeasance due to bond refunding	31,630,831	33,351,801	(1,720,970)
Deferred outflows from pension	12,393,137	12,393,137	-
Deferred outflows from OPEB	20,526,945	20,526,945	-
<b>Total Assets and Deferred Outflows of Resources</b>	<b>1,175,183,572</b>	<b>1,152,364,198</b>	<b>22,819,375</b>
<b>LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS</b>			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,840,000	2,840,000	-
Series 2014 Refunding Bond	530,000	530,000	-
Series 2016 Revenue Bond	3,860,000	3,860,000	-
Series 2017 Refunding Bond	2,040,000	2,040,000	-
Accounts Payable -Trade	4,096,347	2,701,944	1,394,403
Accrued and Other Liabilities	1,304,543	1,238,863	65,680
Interest Payable	2,441,367	6,304,598	(3,863,231)
Accrued Payroll and Employee Benefits	1,014,743	354,780	659,963
Current portion of employee annual leave	572,761	572,761	-
Contractors' Payable	15,422,718	23,311,295	(7,888,577)
Customer and Other Deposits	2,395,363	2,199,462	195,900
Total Current Liabilities	36,517,841	45,953,702	(9,435,861)
<u>Long Term Debt, less current maturities</u>			
Series 2013 Revenue Bond	21,660,000	24,500,000	(2,840,000)
Series 2014 Refunding Bond	64,080,000	64,610,000	(530,000)
Series 2016 Revenue Bond	135,170,000	139,030,000	(3,860,000)
Series 2017 Refunding Bond	103,285,000	105,325,000	(2,040,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	40,967,033	42,515,523	(1,548,490)
Net pension liability	54,387,676	54,387,676	-
Net OPEB obligation	84,163,331	84,163,331	-
Employee Annual Leave, Less Current Portion	1,222,548	1,222,548	-
Employee Sick Leave	1,226,702	1,226,702	-
<b>Total Liabilities</b>	<b>842,755,131</b>	<b>863,009,482</b>	<b>(20,254,351)</b>
Deferred inflows of resources:			
Contribution in Aid of Construction	245,557	67,608	177,948
Deferred inflows from pension	1,010,540	1,010,540	-
Deferred inflows from OPEB	25,015,789	25,015,789	-
<b>Total Liabilities and Deferred Inflows of Resources</b>	<b>869,027,017</b>	<b>889,103,419</b>	<b>(20,076,403)</b>
<b>Net Assets</b>	<b>306,156,556</b>	<b>263,260,778</b>	<b>42,895,778</b>
<b>Total Liabilities, Deferred Inflows of Resources and Net Assets</b>	<b>1,175,183,572</b>	<b>1,152,364,198</b>	<b>22,819,375</b>

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending July 31, 2021**

SCHEDULE B

	Month to Date		Variance
	Actual (Unaudited)	Budget*	Favorable /
	July-21	July-21	(Unfavorable)
<b>OPERATING REVENUES</b>			
Water Revenues	5,358,900	5,863,373	(504,473)
Wastewater Revenues	2,693,468	3,226,426	(532,957)
Legislative Surcharge	246,174	274,214	(28,040)
Other Revenues	41,911	35,895	6,016
System Development Charge	288,640	77,442	211,198
<b>Total Operating Revenues</b>	<b>8,629,093</b>	<b>9,477,350</b>	<b>(848,257)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	693,967	718,609	24,642
Power Purchases	1,067,955	1,082,131	14,177
Total Utility Costs	1,761,922	1,800,740	38,818
Salaries and Wages	1,577,709	1,769,221	191,512
Pension and Benefits	609,527	606,991	(2,536)
Total Salaries and Benefits	2,187,237	2,376,212	188,975
Capitalized Labor and Benefits	(302,527)	(308,333)	(5,806)
Net Salaries and Benefits	1,884,709	2,067,879	183,169
<b>Administrative and General Expenses</b>			
Sludge removal	103,958	131,907	27,949
Chemicals	138,360	160,696	22,335
Materials & Supplies	136,530	175,935	39,405
Transportation	32,554	37,298	4,744
Communications	7,979	14,528	6,550
Claims	12,116	12,181	65
Insurance	86,938	87,685	748
Training & Travel	499	2,521	2,022
Advertising	2,334	10,346	8,012
Miscellaneous	114,821	115,396	575
Regulatory Expense	8,958	24,155	15,196
Bad Debts Provision	165,491	165,913	422
Total Administrative and General Expense	810,538	938,561	128,023
<b>Depreciation Expense</b>	<b>2,141,736</b>	<b>1,855,919</b>	<b>(285,817)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	63,318	91,904	28,586
Building rental	41,692	42,352	660
Equipment rental	12,653	87,524	74,871
Legal	-	563	563
Laboratory	28,990	35,382	6,392
Other	104,506	267,774	163,268
Total Contractual Expense	251,159	525,500	274,340
Retiree Supp. Annuities and health care costs	210,066	233,386	23,320
Contribution to Government of Guam	50,333	48,546	(1,787)
Total Retiree Benefits	260,399	281,932	21,533
<b>Total Operating Expenses</b>	<b>7,110,463</b>	<b>7,470,530</b>	<b>360,068</b>
<b>Earnings (Loss) from Operations</b>	<b>1,518,631</b>	<b>2,006,820</b>	<b>(488,189)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	2,456	128,299	(125,844)
Interest Income - Other Funds	1,187	29,550	(28,364)
Interest Income - SDC	363	2,488	(2,124)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,441,367)	(2,638,329)	196,962
AFUDC	508,331	-	508,331
Amortization of Discount, Premium and Issuance Costs	156,349	(23,078)	179,427
Defeasance due to bond refunding	(172,097)	(22,439)	(149,658)
Prior Year Adjustment	(143,361)	-	(143,361)
Total non-operating revenues (expenses)	(2,088,139)	(2,523,508)	435,369
<b>Net Income (Loss) before capital contributions</b>	<b>(569,508)</b>	<b>(516,688)</b>	<b>(52,820)</b>
<b>Capital Contributions</b>			
Grants from US Government	9,293,992	3,311,071	5,982,920
Total Capital Contributions	9,293,992	3,311,071	5,982,920
<b>Change in Net Assets</b>	<b>8,724,483</b>	<b>2,794,383</b>	<b>5,930,100</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,518,631	2,006,820	
System Development Charge	(288,640)	(77,442)	
Retiree COLA	50,333	48,546	
Interest/Investment Income	1,187	29,550	
Depreciation	2,141,736	1,855,919	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>3,423,247</b>	<b>3,863,393</b>	
<b>Debt Service</b>			
Principal	772,500	772,500	
Interest	1,847,251	1,996,663	
<b>Total</b>	<b>2,619,751</b>	<b>2,769,163</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.31</b>	<b>1.40</b>	
<b>Debt Service Coverage (1.40X) inclusive of reserves (PUC)</b>	<b>1.31</b>	<b>1.40</b>	

\*Adjusted budget

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**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending July 31, 2021 and 2020**

SCHEDULE C

	Month to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	July-21	July-20	(Decrease)
<b>OPERATING REVENUES</b>			
Water Revenues	5,358,900	5,532,300	(173,400)
Wastewater Revenues	2,693,468	2,659,186	34,282
Legislative Surcharge	246,174	249,680	(3,505)
Other Revenues	41,911	15,742	26,168
System Development Charge	288,640	59,848	228,792
<b>Total Operating Revenues</b>	<b>8,629,093</b>	<b>8,516,756</b>	<b>112,337</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	693,967	831,550	(137,583)
Power Purchases	1,067,955	1,002,658	65,296
Total Utility Costs	1,761,922	1,834,208	(72,287)
Salaries and Wages	1,577,709	1,623,271	(45,562)
Pension and Benefits	609,527	561,182	48,346
Total Salaries and Benefits	2,187,237	2,184,453	2,784
Capitalized Labor and Benefits	(302,527)	(299,410)	(3,118)
Net Salaries and Benefits	1,884,709	1,885,043	(334)
<b>Administrative and General Expenses</b>			
Sludge removal	103,958	100,712	3,246
Chemicals	138,360	140,337	(1,976)
Materials & Supplies	136,530	108,749	27,782
Transportation	32,554	24,741	7,813
Communications	7,979	11,246	(3,267)
Claims	12,116	17,999	(5,883)
Insurance	86,938	78,369	8,569
Training & Travel	499	-	499
Advertising	2,334	9,901	(7,567)
Miscellaneous	114,821	88,415	26,406
Regulatory Expense	8,958	510	8,448
Bad Debts Provision	165,491	168,264	(2,772)
Total Administrative and General Expense	810,538	749,241	61,297
<b>Depreciation Expense</b>	<b>2,141,736</b>	<b>2,108,913</b>	<b>32,823</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	63,318	77,105	(13,787)
Building rental	41,692	26,418	15,274
Equipment rental	12,653	8,996	3,657
Laboratory	28,990	11,131	17,859
Other	104,506	104,915	(408)
Total Contractual Expense	251,159	228,564	22,595
Retiree Supp. Annuities and health care costs	210,066	214,779	(4,713)
Contribution to Government of Guam	50,333	50,333	0
Total Retiree Benefits	260,399	265,112	(4,713)
<b>Total Operating Expenses</b>	<b>7,110,463</b>	<b>7,071,082</b>	<b>39,381</b>
<b>Earnings (Loss) from Operations</b>	<b>1,518,631</b>	<b>1,445,675</b>	<b>72,956</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	2,456	3,157	(702)
Interest Income - Other Funds	1,187	1,419	(232)
Interest Income - SDC	363	5,072	(4,709)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,441,367)	(2,087,892)	(353,475)
Federal Expenditures	-	(27,842)	27,842
AFUDC	508,331	-	508,331
Amortization of Discount, Premium and Issuance Costs	156,349	(417,730)	574,079
Defeasance due to bond refunding	(172,097)	(68,976)	(103,121)
Prior Year Adjustment	(143,361)	(98,320)	(45,041)
Total non-operating revenues (expenses)	(2,088,139)	(2,691,111)	602,972
<b>Net Income (Loss) before capital contributions</b>	<b>(569,508)</b>	<b>(1,245,436)</b>	<b>675,928</b>
<b>Capital Contributions</b>			
Grants from US Government	9,293,992	8,754,403	539,589
Grants from GovGuam & Others	-	19,726	(19,726)
Total Capital Contributions	9,293,992	8,774,128	519,864
<b>Change in Net Assets</b>	<b>8,724,483</b>	<b>7,528,692</b>	<b>1,195,791</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,518,631	1,445,675	
System Development Charge	(288,640)	(59,848)	
Retiree COLA	50,333	50,333	
Interest/Investment Income	1,187	1,419	
Depreciation	2,141,736	2,108,913	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>3,423,247</b>	<b>3,546,491</b>	
<b>Debt Service</b>			
Principal	772,500	730,833	
Interest	1,847,251	2,117,099	
<b>Total</b>	<b>2,619,751</b>	<b>2,847,932</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.31</b>	<b>1.25</b>	
<b>Debt Service Coverage (1.40X) (PUC)</b>	<b>1.31</b>	<b>1.25</b>	

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending July 31, 2021**

SCHEDULE D

	Year to Date Actual (Unaudited) July-21	Budget* July-21	Variance Favorable / (Unfavorable)
<b>OPERATING REVENUES</b>			
Water Revenues	53,800,281	58,633,732	(4,833,451)
Wastewater Revenues	25,962,615	32,264,257	(6,301,642)
Legislative Surcharge	2,423,907	2,742,142	(318,235)
Other Revenues	413,509	358,948	54,562
System Development Charge	1,497,699	774,420	723,279
<b>Total Operating Revenues</b>	<b>84,098,011</b>	<b>94,773,498</b>	<b>(10,675,487)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	5,494,951	7,186,088	1,691,137
Power Purchases	10,141,142	10,821,314	680,172
Total Utility Costs	15,636,093	18,007,403	2,371,309
Salaries and Wages	15,608,026	17,692,207	2,084,181
Pension and Benefits	5,963,618	6,069,913	106,295
Total Salaries and Benefits	21,571,644	23,762,120	2,190,477
Capitalized Labor and Benefits	(3,053,842)	(3,083,333)	(29,491)
Net Salaries and Benefits	18,517,801	20,678,787	2,160,986
<b>Administrative and General Expenses</b>			
Sludge removal	1,269,827	1,319,071	49,244
Chemicals	1,255,030	1,696,955	441,925
Materials & Supplies	1,157,641	1,739,353	581,713
Transportation	370,026	372,977	2,951
Communications	123,688	128,783	5,096
Claims	67,706	68,307	601
Insurance	796,715	797,853	1,138
Training & Travel	27,680	239,109	211,429
Advertising	63,124	113,460	50,336
Miscellaneous	982,494	983,961	1,467
Regulatory Expense	264,529	264,647	118
Bad Debts Provision	1,643,256	1,661,132	17,876
Total Administrative and General Expense	8,021,715	9,385,609	1,363,894
<b>Depreciation Expense</b>	<b>21,343,083</b>	<b>18,559,193</b>	<b>(2,783,890)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	941,261	942,040	779
Building rental	414,049	414,519	471
Equipment rental	222,470	874,242	651,773
Legal	-	5,627	5,627
Laboratory	242,970	353,823	110,852
Other	1,259,846	2,664,744	1,404,898
Total Contractual Expense	3,080,595	5,254,995	2,174,400
Retiree Supp. Annuities and health care costs	2,101,264	2,333,857	232,592
Contribution to Government of Guam	503,333	485,460	(17,874)
Total Retiree Benefits	2,604,598	2,819,317	214,719
<b>Total Operating Expenses</b>	<b>69,203,885</b>	<b>74,705,303</b>	<b>5,501,418</b>
<b>Earnings (Loss) from Operations</b>	<b>14,894,126</b>	<b>20,068,195</b>	<b>(5,174,069)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	24,301	1,282,994	(1,258,693)
Interest Income - Other Funds	10,229	295,504	(285,275)
Interest Income - SDC	11,989	24,875	(12,886)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(25,003,786)	(26,383,292)	1,379,506
Contributions from Federal Government	188,768	-	188,768
Federal Expenditures	(130,939)	-	(130,939)
Loss on Asset Disposal	28,991	-	28,991
AFUDC	5,085,371	-	5,085,371
Amortization of Discount, Premium and Issuance Costs	1,561,740	(230,775)	1,792,515
Defeasance due to bond refunding	(1,720,970)	(224,386)	(1,496,584)
Prior Year Adjustment	96,817	-	96,817
Total non-operating revenues (expenses)	(19,847,489)	(25,235,079)	5,387,590
<b>Net Income (Loss) before capital contributions</b>	<b>(4,953,363)</b>	<b>(5,166,884)</b>	<b>213,521</b>
<b>Capital Contributions</b>			
Grants from US Government	47,842,035	33,110,714	14,731,321
Grants from GovGuam & Others	7,106	-	7,106
Total Capital Contributions	47,849,140	33,110,714	14,738,426
<b>Change in Net Assets</b>	<b>42,895,778</b>	<b>27,943,830</b>	<b>14,951,948</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	14,894,126	20,068,195	
System Development Charge	(1,497,699)	(774,420)	
Retiree COLA	503,333	485,460	
Interest/Investment Income	10,229	295,504	
Depreciation	21,343,083	18,559,193	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>35,253,072</b>	<b>38,633,932</b>	
<b>Debt Service</b>			
Principal	7,725,000	7,725,000	
Interest	18,472,514	19,966,625	
<b>Total</b>	<b>26,197,514</b>	<b>27,691,625</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.35</b>	<b>1.40</b>	
<b>Debt Service Coverage (1.40X) inclusive of reserves (PUC)</b>	<b>1.35</b>	<b>1.40</b>	

\*Adjusted budget

GWA Work Session - August 17, 2021 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY  
Statement of Operations and Retained Earnings  
Comparative for the period ending July 31, 2021 and 2020

SCHEDULE E

	Year to Date		Variance
	Actual (Unaudited) July-21	Actual (Unaudited) July-20	Increase / (Decrease)
<b>OPERATING REVENUES</b>			
Water Revenues	53,800,281	55,420,696	(1,620,414)
Wastewater Revenues	25,962,615	29,811,719	(3,849,104)
Legislative Surcharge	2,423,907	2,691,138	(267,231)
Other Revenues	413,509	549,293	(135,783)
System Development Charge	1,497,699	617,818	879,881
<b>Total Operating Revenues</b>	<b>84,098,011</b>	<b>89,090,664</b>	<b>(4,992,652)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	5,494,951	5,090,545	404,407
Power Purchases	10,141,142	12,127,625	(1,986,482)
Total Utility Costs	15,636,093	17,218,169	(1,582,076)
Salaries and Wages	15,608,026	17,117,293	(1,509,267)
Pension and Benefits	5,963,618	5,361,844	601,774
Total Salaries and Benefits	21,571,644	22,479,137	(907,493)
Capitalized Labor and Benefits	(3,053,842)	(3,000,421)	(53,421)
Net Salaries and Benefits	18,517,801	19,478,716	(960,914)
<b>Administrative and General Expenses</b>			
Sludge removal	1,269,827	1,243,836	25,991
Chemicals	1,255,030	1,737,234	(482,204)
Materials & Supplies	1,157,641	1,590,545	(432,904)
Transportation	370,026	449,389	(79,363)
Communications	123,688	129,510	(5,823)
Claims	67,706	123,352	(55,647)
Insurance	796,715	780,530	16,185
Training & Travel	27,680	117,519	(89,839)
Advertising	63,124	45,407	17,716
Miscellaneous	982,494	904,152	78,343
Regulatory Expense	264,529	271,574	(7,045)
Bad Debts Provision	1,643,256	1,758,431	(115,175)
Total Administrative and General Expense	8,021,715	9,151,478	(1,129,764)
<b>Depreciation Expense</b>	<b>21,343,083</b>	<b>20,397,313</b>	<b>945,770</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	941,261	611,827	329,433
Building rental	414,049	364,952	49,097
Equipment rental	222,470	664,480	(442,011)
Legal	-	28,477	(28,477)
Laboratory	242,970	170,220	72,751
Other	1,259,846	1,767,994	(508,147)
Total Contractual Expense	3,080,595	3,607,950	(527,354)
Retiree Supp. Annuities and health care costs	2,101,264	2,124,003	(22,738)
Contribution to Government of Guam	503,333	503,334	(1)
Total Retiree Benefits	2,604,598	2,627,337	(22,739)
<b>Total Operating Expenses</b>	<b>69,203,885</b>	<b>72,480,963</b>	<b>(3,277,078)</b>
<b>Earnings (Loss) from Operations</b>	<b>14,894,126</b>	<b>16,609,701</b>	<b>(1,715,575)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	24,301	983,694	(959,393)
Interest Income - Other Funds	10,229	272,611	(262,382)
Interest Income - SDC	11,989	89,557	(77,568)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(25,003,786)	(21,644,282)	(3,359,504)
Interest Expense - ST BOG	-	(38,188)	38,188
Contributions from Federal Government	188,768	-	188,768
Federal Expenditures	(130,939)	(144,643)	13,704
Loss on Asset Disposal	28,991	(254,364)	283,355
AFUDC	5,085,371	-	5,085,371
Amortization of Discount, Premium and Issuance Costs	1,561,740	116,945	1,444,795
Defeasance due to bond refunding	(1,720,970)	(689,756)	(1,031,215)
Prior Year Adjustment	96,817	(168,221)	265,038
Total non-operating revenues (expenses)	(19,847,489)	(21,476,645)	1,629,157
<b>Net Income (Loss) before capital contributions</b>	<b>(4,953,363)</b>	<b>(4,866,944)</b>	<b>(86,418)</b>
<b>Capital Contributions</b>			
Grants from US Government	47,842,035	50,420,981	(2,578,947)
Grants from GovGuam & Others	7,106	130,329	(123,224)
Total Capital Contributions	47,849,140	50,551,311	(2,702,171)
<b>Change in Net Assets</b>	<b>42,895,778</b>	<b>45,684,367</b>	<b>(2,788,589)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	14,894,126	16,609,701	
System Development Charge	(1,497,699)	(617,818)	
Retiree COLA	503,333	503,334	
Interest/Investment Income	10,229	272,611	
Depreciation	21,343,083	20,397,313	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>35,253,072</b>	<b>37,165,141</b>	
<b>Debt Service</b>			
Principal	7,725,000	7,308,333	
Interest	18,472,514	21,170,990	
<b>Total</b>	<b>26,197,514</b>	<b>28,479,323</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.35</b>	<b>1.30</b>	
<b>Debt Service Coverage (1.40X) (PUC)</b>	<b>1.35</b>	<b>1.30</b>	

**Guam Waterworks Authority**  
**System Development Charges Project Status**  
**As of July 31, 2021**

**SCHEDULE F**

**Funding Summary**

Total available project funds	\$ 14,727,095
Total project expenditures and encumbrances	10,420,561
Total unobligated project funds	<b>\$ 4,306,534</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	1,150,881	3,090	1,153,971
Central Guam Reservoirs	274,240	5,800	280,040
Line Replacement Phase IV	256,937	-	256,937
Northern DWWTP	610,395	4,842,224	5,452,619
Northern DWWTP (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
Groundwater Well Production Meter Rep.	-	151,207	151,207
	<b>\$ 5,097,743</b>	<b>\$ 5,322,818</b>	<b>\$ 10,420,561</b>

**Future planned projects**

	<b>FY2021-2025</b>
Water Wells	1,000,000
Water Dist Sys Pipe Replacement & Upgrades	1,500,000
Capacity Enhancements - Well Dvlp and Construction Prg	394,000
Well Repair Program	200,000
	<b>\$ 3,094,000</b>

**GUAM WATERWORKS AUTHORITY**  
**Restricted and Unrestricted Cash Summary**  
**FY2021**

**SCHEDULE G**

Description	Unaudited July 31, 2021	Unaudited September 30, 2020	Increase (Decrease)
<b>UNRESTRICTED</b>			
Change Fund	2,000	2,000	-
Petty Cash	4,430	4,450	(20)
BOG Deposit Accounts	9,649,886	5,561,165	4,088,721
BOG O & M Reserve	25,262,162	25,689,390	(427,228)
BOG CapEx Fund	9,808,156	11,222,407	(1,414,251)
<b>Sub-total Unrestricted</b>	<b>44,726,634</b>	<b>42,479,412</b>	<b>2,247,222</b>
<b>RESTRICTED</b>			
ANZ Bank	1,265	-	1,265
Bank Pacific	14,983	29,243	(14,260)
Bank of Hawaii	243,058	191,250	51,808
Community First FCU	5,108	1,976	3,132
First Hawaiian Bank	25,535	43,451	(17,916)
Bank Pacific Surcharge	1,771,626	420,680	1,350,946
Bank Pacific Escrow Deposit	921,662	842,331	79,331
BOG Customer Refunds	2,154,433	2,063,361	91,072
BOG Emergency Reserve Fund	6,245	6,243	-
BOG Sewer Hookup Revolving Fund	60,823	67,809	(6,985)
BOG Operation and Maintenance Fund	2,100,849	3,083,482	(982,633)
BOG Revenue Trust	559,009	254,619	304,389
BOG Revenue Trust Fund	7,732,142	7,929,291	(197,149)
BOG Capital Improvement Revenue Fund	5,356,264	5,361,363	(5,099)
	<b>20,953,003</b>	<b>20,295,100</b>	<b>657,901</b>
BOG - SDC Deposit	5,446,446	3,527,401	1,919,045
BOG - SDC CDs	4,500,000	6,250,000	(1,750,000)
<b>Total SDC</b>	<b>9,946,446</b>	<b>9,777,401</b>	<b>169,045</b>
<b>Total Restricted</b>	<b>30,899,449</b>	<b>30,072,502</b>	<b>826,946</b>
<b>Reserve Funds</b>			
BOG Series 2013 Construction Fund	4,442,356	8,647,934	(4,205,578)
BOG Series 2014 Refunding Construction Fund	219,131	219,099	32
BOG Series 2016 Construction Fund	58,047,055	68,518,206	(10,471,151)
BOG Series 2017 Refunding Construction Fund	5,348,700	6,206,732	(858,032)
BOG Series 2020A Construction Fund	122,653,471	-	122,653,471
BOG Series 2020A Capitalized Interest Fund	5,584,484	123,277,054	(117,692,569)
BOG Series 2020A Cost of Issuance Fund	-	12,283,633	(12,283,633)
B20B- BOG COI Fund 184000	-	50,382	(50,382)
<b>Total Restricted - Held by Trustee</b>	<b>196,295,197</b>	<b>219,203,039</b>	<b>(22,907,841)</b>
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	688,767	1,810,544	(1,121,777)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	417,156	1,048,374	(631,218)
USB Series 2014 Refunding Debt Service Reserve Fund	7,736,420	7,735,395	1,025
USB Series 2016 Debt Service Fund	982,181	2,815,863	(1,833,682)
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,558	31,556	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	667,897	1,902,205	(1,234,308)
USB Series 2020A Debt Service Fund	-	-	-
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	490,970	-	490,970
<b>Total Investments</b>	<b>62,288,008</b>	<b>66,616,997</b>	<b>(4,328,990)</b>
<b>Total Restricted and Unrestricted Cash</b>	<b>334,209,289</b>	<b>358,371,949</b>	<b>(24,162,663)</b>

GWA Work Session - August 17, 2021 - DIVISION REPORTS

Guam Waterworks Authority  
Accounts Receivable - Government (Active)  
July 31, 2021

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	7	\$ 27,805	\$ 19,712	\$ 6,451	\$ 6,451	\$ 236,826	\$	297,245
Guam Memorial Hospital Authority	3	42,881	38,968	44,450	150	13,705		140,155
Guam Power Authority	25	138,560	-	-	-	-		138,560
Guam Housing & Urban Renewal Authority	9	8,494	389	330	281	932		10,427
Port Authority of Guam	5	1,408	-	-	-	-		1,408
Guam Visitors Bureau	1	305	-	-	-	-		305
Guam Housing Corporation	1	40	-	-	-	-		40
<b>Total Autonomous Agencies</b>	<b>51</b>	<b>\$ 219,493</b>	<b>\$ 59,069</b>	<b>\$ 51,232</b>	<b>\$ 6,882</b>	<b>\$ 251,464</b>	<b>\$</b>	<b>588,140</b>
		37.32%	10.04%	8.71%	1.17%	42.76%		100.00%
<b>Line Agencies</b>								
Department of Education	52	\$ 359,604	\$ 314,761	\$ 2,797	\$ -	\$ -	\$	677,162
Mayors Council of Guam	61	18,061	9,167	4,477	860	96,768		129,333
Department of Corrections	8	51,408	22,049	-	-	-		73,457
Department of Parks & Recreation	14	38,147	24,014	1,365	279	2,819		66,624
Department of Public Works	12	27,315	2,037	94	90	7,024		36,559
Guam Police Department	8	5,283	5,069	4,473	3,176	3,236		21,236
Department of Chamorro Affairs	7	9,541	1,293	-	-	-		10,834
University of Guam	48	9,656	-	-	-	-		9,656
Department of Public Health & Social Services	8	3,056	1,646	538	165	905		6,310
Guam Fire Department	11	4,286	614	-	-	-		4,901
Department of Military Affairs/Guarnrg	1	3,537	-	-	-	-		3,537
Office of Technology	1	105	117	2,296	850	-		3,368
Sanctuary, Inc.	1	2,674	-	-	-	-		2,674
Department of Youth Affairs	3	995	1,134	-	-	-		2,129
New Guam Mental Health	1	1,546	-	-	-	-		1,546
Guam Veterans Affairs office	2	634	496	-	-	-		1,130
Office of Civil Defense	2	441	614	-	-	-		1,055
Department of Agriculture	6	964	-	-	-	-		964
Office of The Governor	2	961	-	-	-	-		961
Division of Senior Citizens, DPHSS	2	255	336	184	-	-		775
Department of Mental Health	2	762	-	-	-	-		762
Guam Public Library	6	672	-	-	-	-		672
Guam Solid Waste Authority	2	569	-	-	-	-		569
Guam Police Department	2	217	216	48	-	-		481
Department of Customs & Quarantine	1	389	-	-	-	-		389
Guam Energy Office	1	256	-	-	-	-		256
Department of Administration	3	243	-	-	-	-		243
Guam Environmental Protection Agency	2	152	-	-	-	-		152
Agat Mayor's Office	1	81	53	-	-	-		134
The Office of The Dededo Mayor	1	121	-	-	-	-		121
Merizo Mayor	1	62	-	-	-	-		62
<b>Total Line Agencies</b>	<b>270</b>	<b>\$ 541,810</b>	<b>\$ 383,615</b>	<b>\$ 16,272</b>	<b>\$ 5,420</b>	<b>\$ 110,751</b>	<b>\$</b>	<b>1,058,051</b>
		51.21%	36.26%	1.54%	0.51%	10.47%		100.00%
<b>Total as of July 31, 2021 (Active)</b>	<b>321</b>	<b>\$ 761,304</b>	<b>\$ 442,684</b>	<b>\$ 67,503</b>	<b>\$ 12,302</b>	<b>\$ 362,215</b>	<b>\$</b>	<b>1,646,192</b>
		46.25%	26.89%	4.10%	0.75%	22.00%		100.00%

GWA Work Session - August 17, 2021 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY  
Accounts Receivable Aging Summary by Rate Class  
As of July 31, 2021

SCHEDULE I

ACTIVE AND INACTIVE

A G I N G									
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
GOVERNMENT	433	\$ 2,914,956	\$ 423,493	\$ 66,626	\$ 10,992	\$ 450,389	\$ 3,866,457	19%	
AGRICULTURE	402	36,368	7,640	5,461	3,729	31,140	84,339	0%	
COMMERCIAL I	2,613	1,308,113	95,568	49,966	93,183	396,624	1,943,453	10%	
COMMERCIAL II	33	126,543	1,149	182	-	-	127,874	1%	
COMMERCIAL III	302	559,854	27,441	14,725	(77,598)	324,821	849,243	4%	
GOLF COURSE	16	3,867	-	-	-	-	3,867	0%	
HOTEL	58	1,373,863	140,662	72,663	78,311	595,766	2,261,266	11%	
IRRIGATION	33	3,529	253	372	250	1,765	6,168	0%	
RESIDENTIAL	47,848	4,643,858	858,681	484,279	381,883	4,624,865	10,993,563	55%	
	<b>51,738</b>	<b>10,970,951</b>	<b>1,554,887</b>	<b>694,273</b>	<b>490,751</b>	<b>6,425,372</b>	<b>20,136,231</b>	<b>100%</b>	
		54%	8%	3%	2%	32%			
Less Allowance for Doubtful Accounts:								(8,229,726)	
Net Accounts Receivable:								<b>11,906,505</b>	
Days Receivables Outstanding								<b>45</b>	

As of June 30, 2021

A G I N G									
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
GOVERNMENT	431	\$ 2,274,660	\$ 430,075	\$ 49,255	\$ 18,315	\$ 441,561	\$ 3,213,866	17%	
AGRICULTURE	402	39,428	11,377	5,097	3,458	30,604	89,964	0%	
COMMERCIAL I	2,608	1,372,609	76,886	102,207	50,133	380,455	1,982,290	10%	
COMMERCIAL II	33	120,546	615	-	-	-	121,161	1%	
COMMERCIAL III	298	505,094	(78,666)	22,766	16,320	320,228	785,742	4%	
GOLF COURSE	16	5,200	-	-	-	-	5,200	0%	
HOTEL	58	1,276,819	139,306	155,576	143,965	681,608	2,397,274	12%	
IRRIGATION	33	2,951	372	326	348	1,651	5,648	0%	
RESIDENTIAL	47,705	4,063,497	767,696	517,648	417,794	4,988,051	10,754,685	56%	
	<b>51,584</b>	<b>9,660,804</b>	<b>1,347,662</b>	<b>852,875</b>	<b>650,334</b>	<b>6,844,158</b>	<b>19,355,830</b>	<b>100%</b>	
		50%	7%	4%	3%	35%			
Less Allowance for Doubtful Accounts:								(7,983,400)	
Net Accounts Receivable:								<b>11,372,430</b>	
Days Receivables Outstanding								<b>44</b>	

ACTIVE ONLY

A G I N G									
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
GOVERNMENT	433	\$ 2,914,956	\$ 423,493	\$ 66,626	\$ 10,992	\$ 450,389	\$ 3,866,457	24%	
AGRICULTURE	384	35,210	6,832	4,616	2,931	6,617	56,206	0%	
COMMERCIAL I	2,459	1,298,801	87,862	49,966	47,437	285,675	1,769,741	11%	
COMMERCIAL II	32	126,543	58	182	-	-	126,783	1%	
COMMERCIAL III	288	554,264	27,441	14,725	(81,299)	279,483	794,614	5%	
GOLF COURSE	16	3,867	-	-	-	-	3,867	0%	
HOTEL	56	1,373,863	140,662	72,663	78,311	471,456	2,136,955	13%	
IRRIGATION	32	3,529	253	372	250	470	4,873	0%	
RESIDENTIAL	39,950	4,286,426	728,325	385,731	298,334	1,905,398	7,604,214	46%	
	<b>43,650</b>	<b>10,597,459</b>	<b>1,414,926</b>	<b>594,879</b>	<b>356,958</b>	<b>3,399,488</b>	<b>16,363,710</b>	<b>100%</b>	
		65%	9%	4%	2%	21%			
Less Allowance for Doubtful Accounts:								(8,229,726)	
Net Accounts Receivable:								<b>8,133,984</b>	

As of June 30, 2021

A G I N G									
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
GOVERNMENT	431	\$ 2,274,660	\$ 430,075	\$ 49,255	\$ 18,315	\$ 441,561	\$ 3,213,866	20%	
AGRICULTURE	389	39,428	11,377	4,674	3,458	8,519	67,457	0%	
COMMERCIAL I	2,458	1,360,481	76,809	56,384	49,763	263,898	1,807,336	11%	
COMMERCIAL II	32	119,454	615	-	-	-	120,069	1%	
COMMERCIAL III	285	505,068	(78,694)	19,040	16,294	268,509	730,217	5%	
GOLF COURSE	16	5,200	-	-	-	-	5,200	0%	
HOTEL	56	1,276,819	139,306	155,576	143,965	557,298	2,272,964	14%	
IRRIGATION	32	2,951	372	326	348	356	4,353	0%	
RESIDENTIAL	40,034	3,951,064	660,132	428,279	363,588	2,303,775	7,706,838	48%	
	<b>43,733</b>	<b>9,535,126</b>	<b>1,239,992</b>	<b>713,534</b>	<b>595,732</b>	<b>3,843,916</b>	<b>15,928,300</b>	<b>100%</b>	
		60%	8%	4%	4%	24%			
Less Allowance for Doubtful Accounts:								(7,983,400)	
Net Accounts Receivable:								<b>7,944,900</b>	

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

**SCHEDULE J**

<b>As of</b>	<b>AGING</b>							<b>Days Payable Outstanding</b>
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days	Total		
<b>July 31, 2021</b>	\$ 2,034,738 50%	\$ 1,476,814 36%	\$ 154,873 4%	\$ 64,741 2%	\$ 365,181 9%	\$ <b>4,096,347</b> <b>100%</b>		39
<b>June 30, 2021</b>	\$ 1,834,416 73%	\$ 287,079 11%	\$ 59,596 2%	\$ 56,773 2%	\$ 273,477 11%	\$ <b>2,511,340</b> <b>100%</b>		30
<b>May 31, 2021</b>	\$ 1,678,365 64%	\$ 361,067 2%	\$ 250,039 24%	\$ 40,791 0%	\$ 261,513 9%	\$ <b>2,591,775</b> <b>100%</b>		30



GUAM WATERWORKS AUTHORITY  
WATER DEMAND BY RATE CLASS  
FY2015 - FY2021

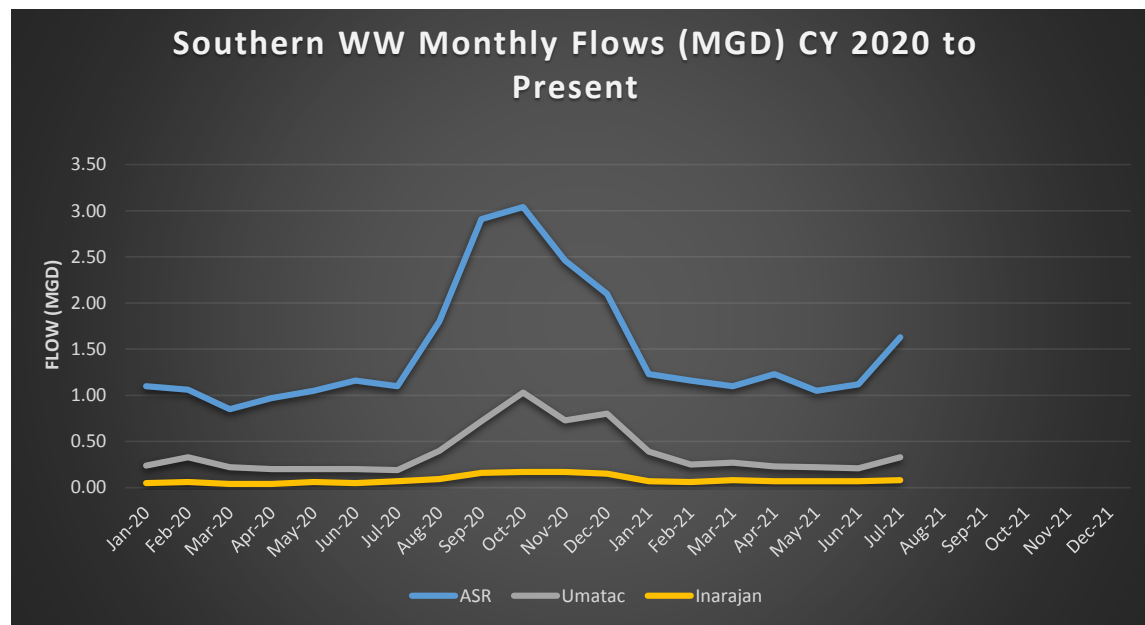
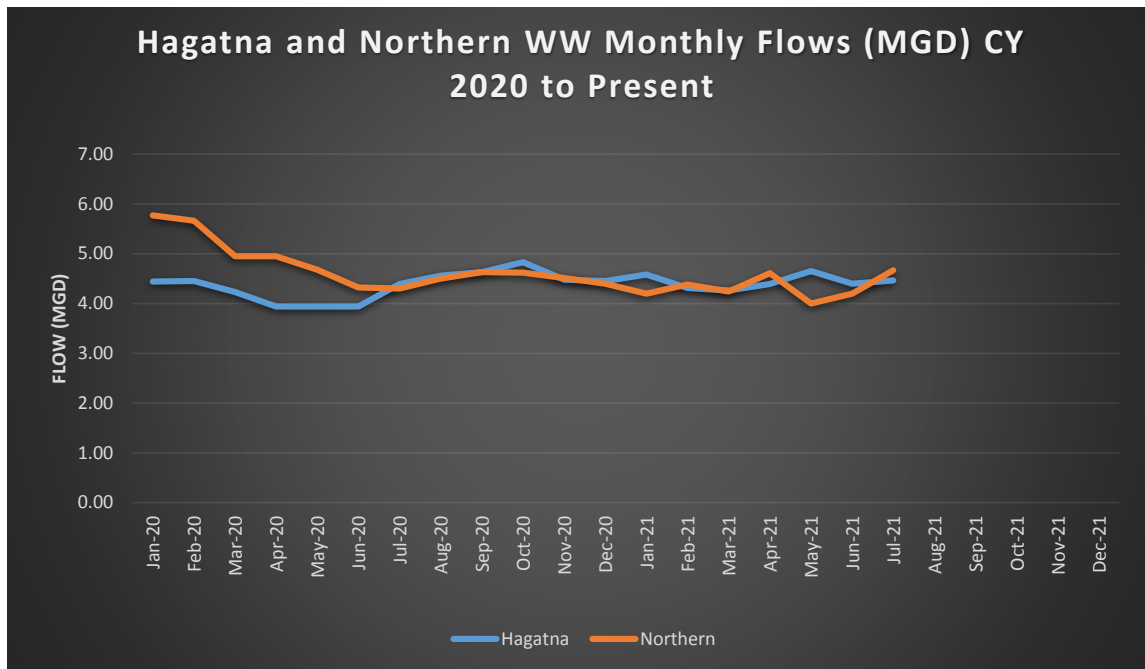
## SCHEDULE K

CLASS	AUDITED								UNAUDITED	
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	1%	3,712,723	11%	3,633,464	-2%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	-1%	822,029	-9%	770,709	-6%
F Federal	1,168	1,180	2,508	1,813	1,602	-12%	1,338	-16%	1,894	42%
G Government	515,974	475,366	448,430	450,165	405,980	-10%	408,502	1%	400,625	-2%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	9%	714,161	-34%	442,980	-38%
G Golf	6,850	6,770	5,252	2,741	2,793	2%	5,835	109%	2,508	-57%
A Agriculture	67,376	78,628	69,482	81,127	90,803	12%	84,492	-7%	74,950	-11%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	-7%	<u>8,654</u>	10%	<u>5,681</u>	-34%
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>	2%	<u>5,757,733</u>	-2%	<u>5,332,810</u>	-7%

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

2020	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-20	4.44	5.77	1.10	0.24	0.05
Feb-20	4.45	5.66	1.06	0.33	0.06
Mar-20	4.23	4.95	0.85	0.22	0.04
Apr-20	3.94	4.95	0.97	0.20	0.04
May-20	3.94	4.68	1.05	0.20	0.06
Jun-20	3.94	4.32	1.16	0.20	0.05
Jul-20	4.39	4.30	1.10	0.19	0.07
Aug-20	4.56	4.50	1.80	0.40	0.09
Sep-20	4.63	4.63	2.91	0.72	0.16
Oct-20	4.83	4.62	3.04	1.03	0.17
Nov-20	4.48	4.51	2.46	0.73	0.17
Dec-20	4.45	4.40	2.10	0.80	0.15
<b>2020 Average MGD</b>	<b>4.36</b>	<b>4.77</b>	<b>1.63</b>	<b>0.44</b>	<b>0.09</b>
<b>2020 Total MGY</b>	<b>1,590</b>	<b>1,743</b>	<b>596</b>	<b>160</b>	<b>34</b>

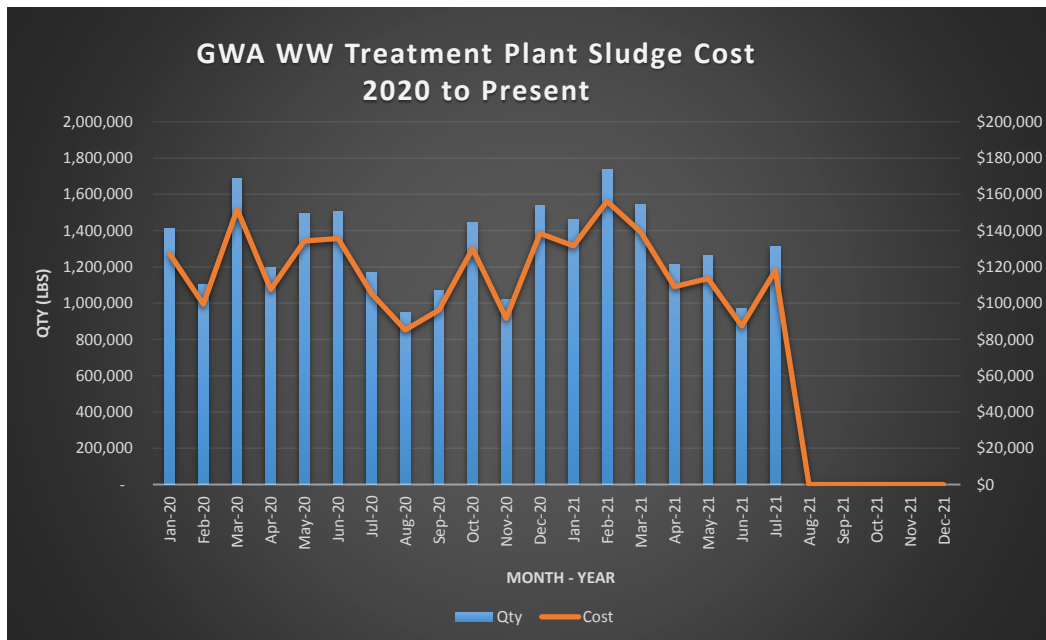
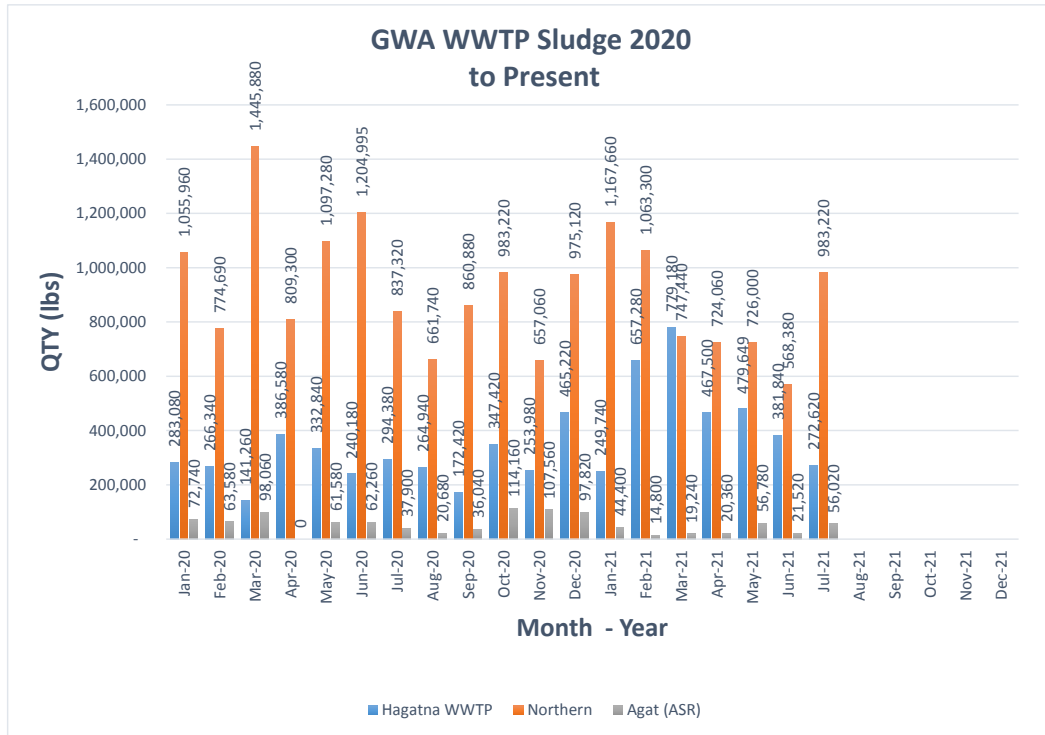
2021	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-21	4.58	4.20	1.23	0.39	0.07
Feb-21	4.31	4.38	1.16	0.25	0.06
Mar-21	4.26	4.24	1.10	0.27	0.08
Apr-21	4.39	4.61	1.23	0.23	0.07
May-21	4.65	4.00	1.05	0.22	0.07
Jun-21	4.40	4.20	1.12	0.21	0.07
Jul-21	4.46	4.67	1.63	0.33	0.08
Aug-21					
Sep-21					
Oct-21					
Nov-21					
Dec-21					
<b>2021 Average MGD</b>	<b>4.44</b>	<b>4.33</b>	<b>1.22</b>	<b>0.27</b>	<b>0.07</b>
<b>2021 Total MGY</b>	<b>1,619</b>	<b>1,580</b>	<b>444</b>	<b>99</b>	<b>26</b>



GWA Work Session - August 17, 2021 - DIVISION REPORTS

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2020	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-20	283,080	\$25,477	1,055,960	\$95,036	72,740	\$6,547	1,411,780	\$127,060
Feb-20	266,340	\$23,971	774,690	\$69,722	63,580	\$5,722	1,104,610	\$99,415
Mar-20	141,260	\$12,713	1,445,880	\$130,129	98,060	\$8,825	1,685,200	\$151,668
Apr-20	386,580	\$34,792	809,300	\$72,837	0	\$0	1,195,880	\$107,629
May-20	332,840	\$29,956	1,097,280	\$98,755	61,580	\$5,542	1,491,700	\$134,253
Jun-20	240,180	\$21,616	1,204,995	\$108,450	62,260	\$5,603	1,507,435	\$135,669
Jul-20	294,380	\$26,494	837,320	\$75,359	37,900	\$3,411	1,169,600	\$105,264
Aug-20	264,940	\$23,845	661,740	\$59,557	20,680	\$1,861	947,360	\$85,262
Sep-20	172,420	\$15,518	860,880	\$77,479	36,040	\$3,244	1,069,340	\$96,241
Oct-20	347,420	\$31,268	983,220	\$88,490	114,160	\$10,274	1,444,800	\$130,032
Nov-20	253,980	\$22,858	657,060	\$59,135	107,560	\$9,680	1,018,600	\$91,674
Dec-20	465,220	\$41,870	975,120	\$87,761	97,820	\$8,804	1,538,160	\$138,434
<b>Grand Total</b>	<b>3,448,640</b>	<b>\$310,378</b>	<b>11,363,445</b>	<b>\$1,022,710</b>	<b>772,380</b>	<b>\$69,514</b>	<b>15,584,465</b>	<b>\$1,402,602</b>

	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		\$0		\$0		\$0	-	\$0
Sep-21		\$0		\$0		\$0	-	\$0
Oct-21		\$0		\$0		\$0	-	\$0
Nov-21		\$0		\$0		\$0	-	\$0
Dec-21		\$0		\$0		\$0	-	\$0
<b>Grand Total</b>	<b>3,287,809</b>	<b>\$295,903</b>	<b>5,980,060</b>	<b>\$538,205</b>	<b>233,120</b>	<b>\$20,981</b>	<b>9,500,989</b>	<b>\$855,089</b>



GWA Work Session - August 17, 2021 - DIVISION REPORTS

Guam Waterworks Authority		Date: 8/10/2021	 <b>WASTEWATER FACILITIES REPORT</b>
<b>REVIEWS</b>			
TOTAL PUMPS INSTALLED	171	OVERALL AVERAGE <b>87%</b>	
TOTAL PUMPS OPERATIONAL	149	% OF OPERATING PUMPS <b>87%</b>	
TOTAL PUMP STATIONS	77		

Northern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	3	75%	GPA	A	P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs		Pending new pumps which are part of the Northern Treatment	
2	FUJITA	1	4	3	75%	GPA	A	P#2 was removed 10-29-20 due to bearings issues. Pump at vendor pending repairs.				vendor is pending order for mechanical seal.	
3	YPAO	1	2	2	100%	GPA	A						
4	PASEO DE ORO	1	2	1	50%	GPA	A	pump#1 removed due to defective mechanical seal as per electrician.					OR 50157 (pending OQ)
5	HARMON	2	2	1	50%	GPA	A	pump #2 was removed and dropped to vendor for repairs due to burnt motor					PO 500238
6	ROUTE 16	1	4	3	75%	GPA	M	P#3 secured due to damaged wear plate and defective check valve.					OR 50082 check valve OR 50487 wear plate
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A						
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	2	100%	GPA	A						
12	MACHECHE	2	2	2	100%	GPA	A						
13	HAFA ADAI	2	2	1	50%	GPA	A	P2 removed due to water in the pump.					OR 50633
14	YPAOPAO	1	3	3	100%	GPA	N/A						
15	PACIFIC LATTE	2	2	2	100%	GPA	A						
16	YIGO	1	3	3	100%	GPA	A	Pump #3 on standby. No data plate to confirm FLA.					
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	46	88%								

GWA Work Session - August 17, 2021 - DIVISION REPORTS

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	P# 3 pump works, Standby						
3	PITI	1	2	2	100%	GPA	A							
4	ASAN	1	2	2	100%	GPA	A							
5	SINAJANA	2	2	2	100%	GPA	A							
6	NEW CHAOT	1	3	2	67%	OP	A	Pump #3 was secured due low amperage. Scheduled for maintenance team.						
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	1	50%	INOP	A	Pump #1 was secured due to high amperage. Maintenance scheduled to pick up for inspection.						
12	DOUBLE SHAFT	1	3	2	67%	OP	A	Pump 2 removed due to impeller broke/Shaft worn				CIP write up for new pump/motor completed. At legal, pending review		
13	NAMU	2	1	1	100%	OP	A							
14	TAI MANGILAO	1	3	3	100%	GPA	A							
15	MANGILAO	1	2	2	100%	GPA	A			Sump pump burnt and the breaker is damaged				
16	FIDIAN	2	2	2	100%	GPA	A							
17	LEYANG	2	2	2	100%	OP	A							
18	SAGAN BONITA 1	2	2	2	100%	OP	A							
19	SAGAN BONITA 2	2	2	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	1	50%	GPA	A	Compressor # 2 leaking removed by maint wo # 21-03-0413 3/12/2021					PO 500151 (Time of Delivery 6 weeks)	
26	BAYSIDE	2	1	1	100%	INOP	A							
27	ALUPANG	1	2	2	100%	OP	A							
28	MAMAJANAO	1	3	2	67%	OP	A	Pump #1 secured due to riser line clogged. Maintenance team scheduled to release blockage.						
29	Agina Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned						
Total	29		63	57	90%									

GWA Work Session - August 17, 2021 - DIVISION REPORTS

Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	2	50%	OP	MAN	10-30-20 P#2 was removed and delivered to Guam Motor Rewind for repairs. Pump repair completed, pending impeller OR #57175. 7-29-21 Pump #4 was removed and taken Washland for repairs		#2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from ASRWTP on #2.			P#4 (PO 500215 released) P#2 (OR 50469 pending OQ) VFDs (OR 50790 pending OQ)
2	PUMP STATION #11	2	2	2	100%	INOP	AUTO						
3	PUMP STATION #12	1	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	2	100%	OP	AUTO			Pumps are alternated weekly			
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	1	50%	OP	AUTO	pump #1 was removed due to cable issue. Pump also needs rewinding.					OR 50782 pending OQ
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO						
11	TALALOFO	1	2	2	100%	OP	AUTO	1-17-20 Electricians determined that the sump pump is grounded and was recommended to be replaced. Entered work order into Lucy requesting maintenance to replace.	SUMP PUMP 20-01-0735	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 Talalofo.		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			Requesting for electricians to make assessments to ventilation system to make it operational.	(Vent- 19-12-0390)	12-23-19 Fred is working on getting a lift to be able to go to the roof top to make assessments on the motor.	Pending PO for lift for electricians to access roof top to inspect blower.
14	EJECTOR #2	2	2	1	50%	PORTABLE /INOP	NA	10-21-20 Comp#1 motor tripping. Motor was removed by maintenance crew due to unit was determined burnt by electricians.	20-10-1436				PO 500128(Pending release)
15	EJECTOR #3	2	2	1	50%	PORTABLE /INOP	NA	#2 was secured due to motor was reading high amperage.					PO 500128(Pending release)
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	1	50%	PORTABLE/INOP	NA	11-13-20 Compressor #1 was removed and to be used at Ejector 7 for compressor #1.					PO 500151 (Time of Delivery 6 weeks)
18	EJECTOR #6	2	2	1	50%	PORTABLE/INOP	NA	1-5-21 Compressor motor#1 2hp making loud noise. Motor cannot spin with connected load, possible bearing issue. Motor was disconnected by electricians. Pending pull-out by maintenance crew.					PO 500128(Pending release)
19	EJECTOR #7	2	2	1	50%	PORTABLE/INOP	NA	3-16-21 Motor#2 pulled out to be utilized at Ejector#2 due to the existing motor at ejector#2 was submerged with sewage caused by a defective sump pump check valve.					PO 500128(Pending release)
20	NORTH REYES	2	2	2	100%	PORTABLE/INOP	NA						
21	LEYON #3 (DanDan)	2	2	2	100%	OP	MAN						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	2	67%	OP	AUTO	Pump #1 was secured due to leaking reducer. Reducer completed. Pending installation.					
25	Windward Hills	1	3	2	67%	OP	AUTO	Pump #1 was secured due to check valve leaking. (Defective seat)					OR 50482 (Pending OQ)
26	Aplacho	1	3	3	100%	OP	AUTO						
	26		56	46	82%								





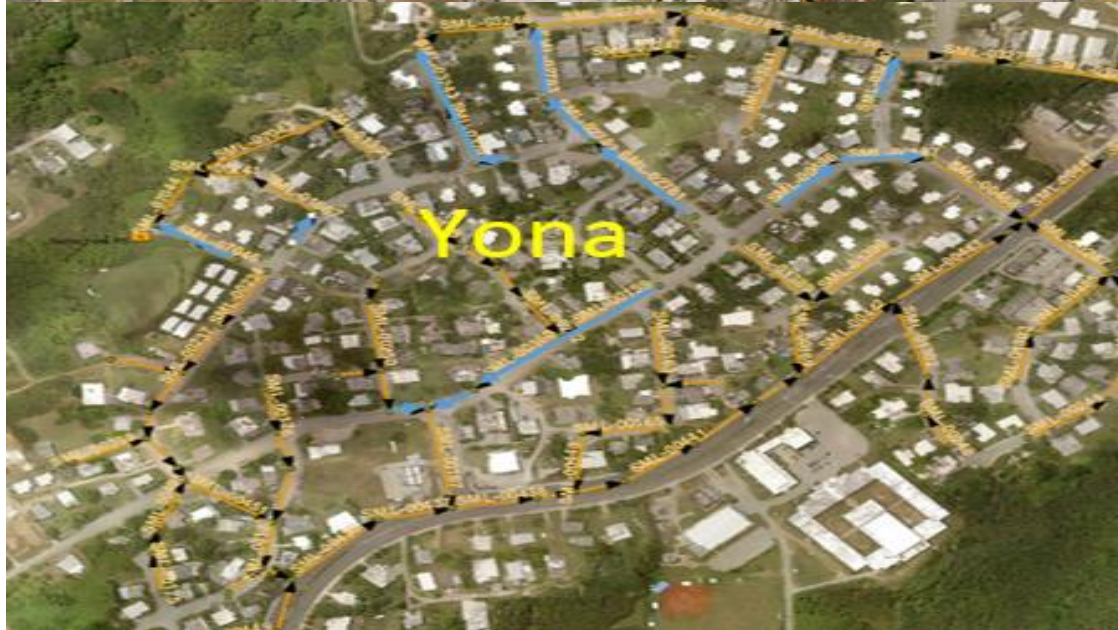
## Guam Waterworks Authority

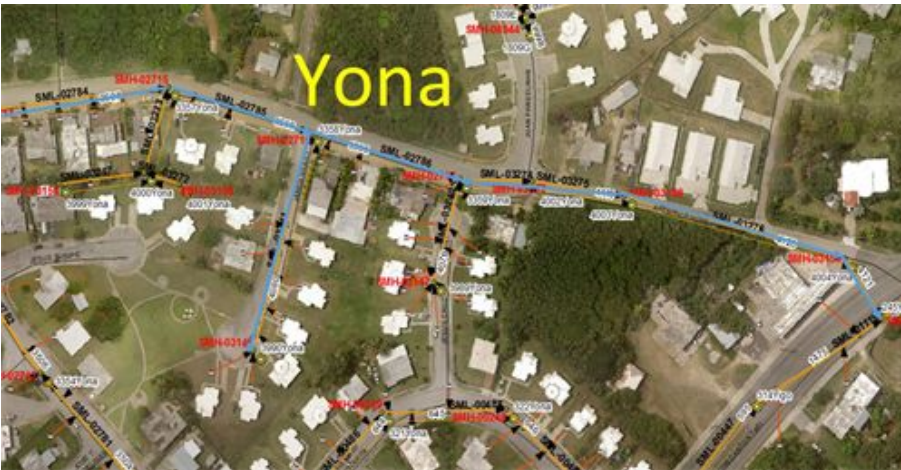
## VEHICLE FLEET STATUS

7/28/2021

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	5	3	2	60%
Fuel Tanker	1	1	0	100%
Heavy Duty	12	10	2	83%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	143	106	37	74%
Mini Backhoe	4	2	2	50%
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	16	13	3	81%
Trencher	1	0	1	0%
Vacuum Truck	5	4	1	80%
Water Buffalo	2	2	0	100%
Water Tanker	6	4	2	67%
Compressor	1	1	0	100%
Total	223	166	57	

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	1	1	0
0	0	0	0	0	1	0
0	1	0	0	0	0	0
1	0	0	0	0	0	0
2	1	0	0	2	0	0
1	0	0	0	0	0	0
10	0	0	1	0	1	0
1	0	0	0	0	0	0
1	0	0	0	0	0	0
101	5	1	9	14	9	4
2	0	0	0	0	0	2
0	0	0	1	0	0	0
0	0	0	0	1	0	0
3	0	0	0	1	1	0
1	1	0	0	0	0	0
1	0	0	0	0	0	0
13	0	0	0	3	0	0
0	0	0	0	1	0	0
1	3	0	0	0	1	0
2	0	0	0	0	0	0
3	1	0	0	0	2	0
1	0	0	0	0	0	0
153	13	1	11	23	16	6

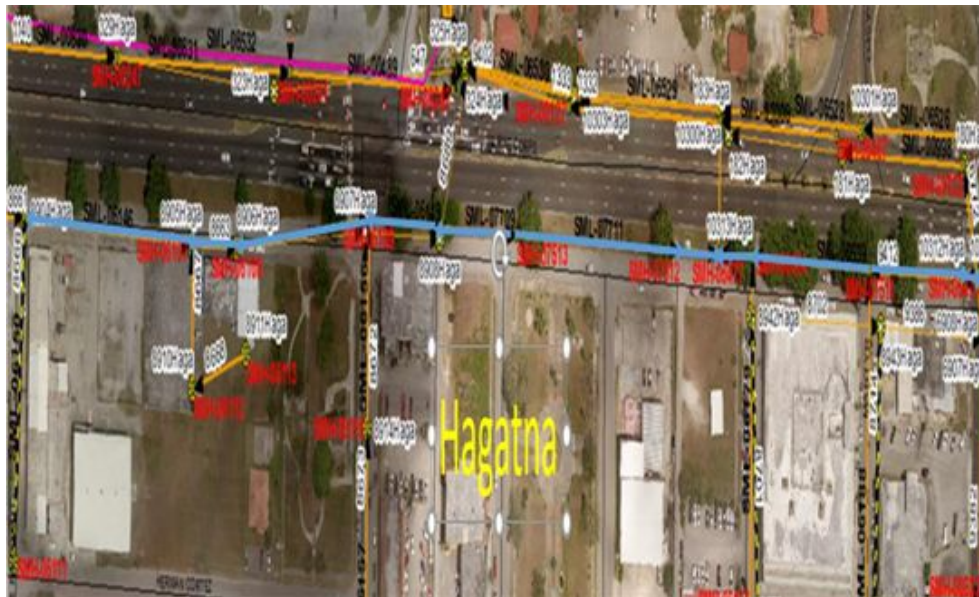




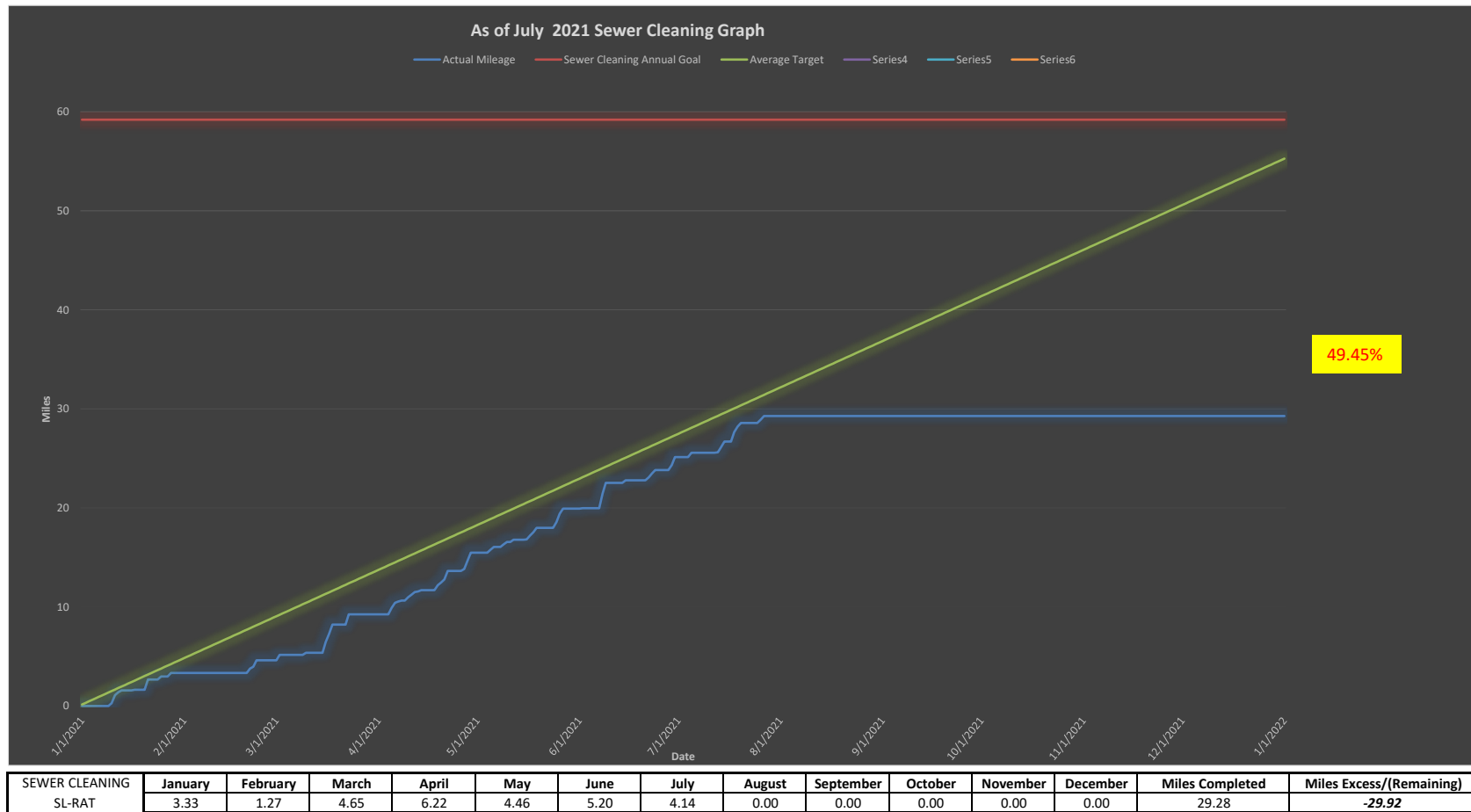








GWA Work Session - August 17, 2021 - DIVISION REPORTS



**5 miles a month required, 59.2 miles a year to complete for 2020 (296 miles to complete in 5 years)**

59.2 miles x 5 years = 296 miles

296 miles / 5yrs = 59.2 miles a year required to be completed

59.2 miles / 12 months = 4.93 miles a month required to be completed

4.92 miles x 5,280 = 25,977.6ft. / 4 weeks = 6,494.4ft. Per week required to be completed

6,494.4ft / 5 days = 1,298.8ft required to be completed daily

GWA Work Session - August 17, 2021 - DIVISION REPORTS

Guam Waterworks Authority		Date: 7/30/2021	 <b>GUAM WATERWORKS AUTHORITY</b> <b>WATER DISTRIBUTION FACILITIES REPORT</b>
		Time:	
<b>REVIEWS</b>			
TOTAL PUMPS INSTALLED	55	OVERALL AVERAGE	94%
TOTAL PUMPS OPERATIONAL	52	% OF OPERATING PUMPS	95%
TOTAL BOOSTER PUMP STATIONS	27		

Northern District													
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
1	Yigo	30	3	3	100%	OP	A						
2	Gaymoro	20	2	2	100%	OP	A						
3	Matagosa	25	2	2	100%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A						
5	Hyundai	40	2	1	50%	OP	A	1-29-21 work still ongoing with upgrading control wires. One pump placed on standby.		Electrical wires being upgraded.			
6	Chin, Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Agana Heights	30	3	3	100%		A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
10	Adawag	1.5	1	1	100%	N/A							
11	Paie Kren	1	1	1	100%	N/A							
12	Ulloa, Unatan	1	2	2	100%	OP	A						
13	Latte Heights	15	2	2	100%	OP	A						
TOTAL = 13			26	25	96%								
pump availability = no of operational pumps/no of pumps*100%													

Central District													
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	UPDATES
1	Pago	150 / 100	3	2	67%	OP	A	Pump 3 shaft for pump broke. Repairs ongoing.					
2	Brigade	60 / 20	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	2	67%	OP	A	Pump 1 & 2 in operation. Pump 3 pending mechanical seals and rebuild kit. 6-25-21.					
4	Santa Rita Spring	40	2	2	100%	OP	A						
5	Santa Ana (Lower)	25	1	1	100%	N/A		1-29-21 Renovation of station started. One pump remains in service during this period. 6-25-21 Renovation still ongoing.					
6	Camacho	1	1	1	100%	N/A							
7	Tenorio	1.5	1	1	100%	N/A							
TOTAL=7			14	12	86%								
pump availability = no of operational pumps/no of pumps*100%													

Southern District													
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	UPDATES
1	Maloloj Line	125 / 50	3	3	100%	OP	A						
2	Geus	25	1	1	100%	OP	A						
3	Pigua	7.5	2	2	100%	N/A		Only pump in operation due to station upgrades for Pigua tank bypass project.					
4	Toruan	25	2	2	100%	OP	A						
5	WBP-2	25	2	2	100%	OP	A						
6	WBP-1	5	2	2	100%	OP	A						
7	Maloloj Elevated	15	3	3	100%	OP	A						
TOTAL=7			15	15	100%								
pump availability = no of operational pumps/no of pumps*100%													