



## 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, July 20, 2021, 2021*

## AGENDA

1. CALL TO ORDER
2. ISSUES FOR DECISION
  - 2.1 [Approval of Amendment for the Indefinite Delivery/Indefinite Quantity Professional Utility Management and Financial Consulting Services Contract / Resolution No. 24-FY2021](#)
3. GM REPORT
  - 3.1 [GM Summary](#)
4. ISSUES FOR DISCUSSION
  - 4.1 Presentation on One-Guam Water Resource Information Program (OGWRIP)
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: July 22; CCU Regular Monthly Mtg.: July 27
8. ADJOURNMENT



**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. 24-FY2021**

Relative to Approval of Amendment for the Indefinite Delivery/Indefinite Quantity (IDIQ) Professional Utility Management and Financial Consulting Services Contract

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

GWA Docket 19-08 FY20 Rate Decision required seven analytical studies to inform a Comprehensive Review and Update (CR&U) of GWA's Five-Year Financial Plan prior to FY2022. GWA awarded the Galardi-Rothstein Group an indefinite delivery, indefinite quantity utility management and financial consulting services contract in response to RFP 2020-01. Services include the preparation of the Demand Forecasting, Capital Financing, and Affordability / Rate Design studies, the preparation of the Rate Application Model, and related financial consulting program management services.

In view of the Guam Public Utilities Commission (PUC) consultant's response to the submission of the studies, rate application model, and the updated financial plan, it has become apparent that significant additional hours will be necessary to respond to the PUC consultant's analysis and ensure that the PUC issues a decision and order prior to the start of FY2022. The additional work required to ensure GWA is appropriately responsive to the PUC's consultants in the adjudication of the CR&U will bring the total cost of the work above the General Manager's procurement authority. The objective is to authorize the additional work necessary to complete the adjudication of the docket prior to October 1, 2021.

It is urgent and necessary for the PUC to act timely in this matter to ensure GWA is able to obtain the needed rate relief to continue operations, maintain our debt service coverage, and move forward with planned system improvements as we recover from the effects of the Pandemic.

Additionally, support related to the initiation of the alternative capital financing and affordability program options identified in the analytical studies will be needed if approved by the PUC. This will likely include the establishment of a tax-exempt commercial paper program as well as a customer assistance programs; most of the work should occur by the first quarter of CY2021.

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

The contract is associated with CR&U of the Five-Year Financial Plan, recommended alternative capital financing and affordability program options as proposed in the analytical studies, and resultant PUC rate order that will impact GWA operations as a whole.

**How much will it cost?**

The current contract amount is \$979,689, which includes:

Task	Amount
Program Management	\$100,000
Series 2020B Support	\$19,195
Rate Application Model	\$167,874
Demand Forecasting	\$176,411
Capital Financing Alternatives	\$177,567
Affordability / Rate Design	\$128,142
Coordination of CRU Package and responses to PUC	\$210,500

It is the intent that this resolution would approve the increasing the total contract amount to no more than \$1,479,689 to address the tasks in the scheduling order issued by the PUC Administrative Law Judge. Additional work will be performed on a time and material basis, not to exceed the proposed additional amount of \$500,000.

**When will it be completed?**

It is anticipated that work on the rate case will be substantially complete upon issuance of the PUC decision and order. This should occur on or before September 30, 2021. Additional work related to the commercial paper program as well as the customer assistance programs, both part of initiatives recommended in the Five-Year Plan Comprehensive Update and Review, will likely continue thru the first quarter of CY2022.

**What is the funding source?**

The contract is partially funded by Bond Funds, by revenues and by the Working Capital Fund.

PUC Accounting Order, Docket 19-08, signed February 27, 2020, orders that GWA set up a regulatory asset which will contain the cost of the analytical studies and associated regulatory costs. The Working Capital Fund will be used to pay for these costs. These costs will be amortized over a period determined by the PUC in 2021. This amortization expense can then be included in GWA rates established at that time.



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**GWA RESOLUTION NO. 24-FY2021**

**RELATIVE TO APPROVAL OF AMENDMENT FOR THE INDEFINITE  
DELIVERY/INDEFINITE QUANTITY PROFESSIONAL UTILITY MANAGEMENT  
AND FINANCIAL CONSULTING SERVICES CONTRACT**

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

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

**WHEREAS**, in GWA Docket 19-08 FY20 Rate Decision, the Guam Public Utility Commission (PUC) ordered GWA to undertake various analytical studies, including Demand Forecasting, Water Loss Reduction, Cost of Service / Rate Design, Affordability, Financing & Alternatives to Bond Issuance, Capitalized Labor and Cesspool / Septic Tank Elimination, to support an FY2022 Comprehensive Review and Update to GWA’s Five-Year Financial Plan; and

**WHEREAS**, PUC Accounting Order, Docket 19-08, signed February 27, 2020, orders that GWA set up a regulatory asset to contain the cost of the analytical studies and associated regulatory costs and use the Working Capital Fund to pay for these costs. These costs will be amortized over a period determined by the PUC in 2021 and the amortization expense included in GWA rates established at the time of PUC action; and.

**WHEREAS**, the delay in the PUC rate order for Docket 19-08 and the prevailing market conditions affected the timing of refunding of the Series 2013 bonds (Series 2020B bonds), and as a result GWA was required to update the financial projections contained in the Official Statement; and

**WHEREAS**, the analytical studies were due to the PUC on March 31, 2021, and the Rate Application Model and Comprehensive Review and Update package were due on May 1, 2021; and

**WHEREAS**, in anticipation of the needed utility management and financial consulting work to accomplish the PUC-ordered and related financial tasks, GWA issued RFP 2020-01 Indefinite Delivery – Indefinite Quantity (ID-IQ) Utility Management and Financial Consulting Services, and subsequently awarded the Galardi Rothstein Group (GRG) a contract and issued task orders under the General Manager’s procurement authority in the amount of Nine Hundred Seventy-Nine Thousand Six Hundred Eighty-Nine Dollars (\$979,689); and

**WHEREAS**, among the tasks contracted to GRG were.

Program Management	\$100,000
Series 2020B Support	\$19,195
Rate Application Model	\$167,874
Demand Forecasting	\$176,411
Capital Financing Alternatives	\$177,567
Affordability / Rate Design	\$128,142
Coordination of CR&U package and responses to PUC	\$210,500

**WHEREAS**, the scheduling order issued on May 3, 2021, by the PUC Administrative Law Judge required

- Telephonic or web-conferences in May 2021
- RFI responses on June 5 and July 3, 2021
- Settlement conferences in July 2021
- GWA Requests for Information in August in response to the PUC consultant’s report and testimony
- Evidentiary hearings, if necessary, in September 2021
- PUC public hearings in September 2021
- Response to the ALJ report no later than September 22, 2021

1  
2       **WHEREAS**, additional support will be needed to initiate alternative capital financing  
3 and affordability program options identified in the analytical studies, such as the tax-exempt  
4 commercial paper program as well as the customer assistance programs, if approved by the PUC  
5 as requested in the Comprehensive Review & Update; and

6  
7       **WHEREAS**, it is anticipated that, due to the schedule ordered by the PUC ALJ as well as  
8 the rollout of the tax-exempt commercial paper and customer assistance programs, additional  
9 services of no more than \$500,000 will be needed to support the filing of the Comprehensive  
10 Review and Update to GWA's Five-Year Financial Plan; and

11  
12       **WHEREAS**, this IDIQ contract will be paid with either bond funding (affordability  
13 study), Working Capital Fund, or revenues; and

14  
15       **NOW BE IT THEREFORE RESOLVED** that the Consolidated Commission on  
16 Utilities does hereby approve the following:

- 17       1. The recitals set forth above hereby constitute the findings of the CCU.
- 18       2. The CCU finds that proposed additional work under the Utility Management and  
19 Financial Consulting Services Contract is required to support the GWA FY2022  
20 Comprehensive Review and Update to GWA's Five-Year Financial Plan filing  
21 with the Public Utilities Commission as well as the Tax-Exempt Commercial  
22 Paper Program and Customer Assistance Program initiatives.
- 23       3. The CCU hereby approves the funding increase in an amount not to exceed  
24 \$500,000.
- 25       4. The CCU hereby further approves the total funding authorization for the IDIQ  
26 contract with Galardi Rothstein Group of no more than \$1,479,689.
- 27       5. The CCU hereby further approves the funding for the Utility Management and  
28 Financial Consulting Services Contract CER from GWA Bond funds applicable to  
29 the project and from Revenues and other funding sources as they become  
30 available.
- 31       6. The CCU hereby further authorizes management to provide any required  
32 notification to the PUC under the Contract Review Protocol.

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

**DULY AND REGULARLY ADOPTED**, this 27<sup>th</sup> day of July 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: \_\_\_\_\_

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

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# Management Report

## GWA Work Session, July 20, 2021



### GWA Workforce availability as of July 14, 2021

Healthy	351	97.2%
Sick, not COVID-19 related	3	0.8%
COVID-19 Quarantined	1	0.3%
Military Leave	5	1.4%
LTD	1	0.3%
<b>Total</b>	<b>361</b>	<b>100%</b>

	<b>Total</b>	
Healthy/Reporting for duty at worksite	344	95.3%
Healthy/Reporting for duty - Part Teleworking and Part Reporting for duty at worksite	1	0.3%
Healthy/Reporting for duty - Teleworking	6	1.7%
Employee sick - symptoms unrelated to COVID-19	3	0.8%
Military Leave	5	1.4%
LTD/Workers Comp	1	0.3%
Employee or household member is at medical risk (i.e. COVID-19 vulnerable)	1	0.3%
<b>Total</b>	<b>361</b>	<b>100%</b>

### GWA Workforce Vaccine Status as of July 14, 2021

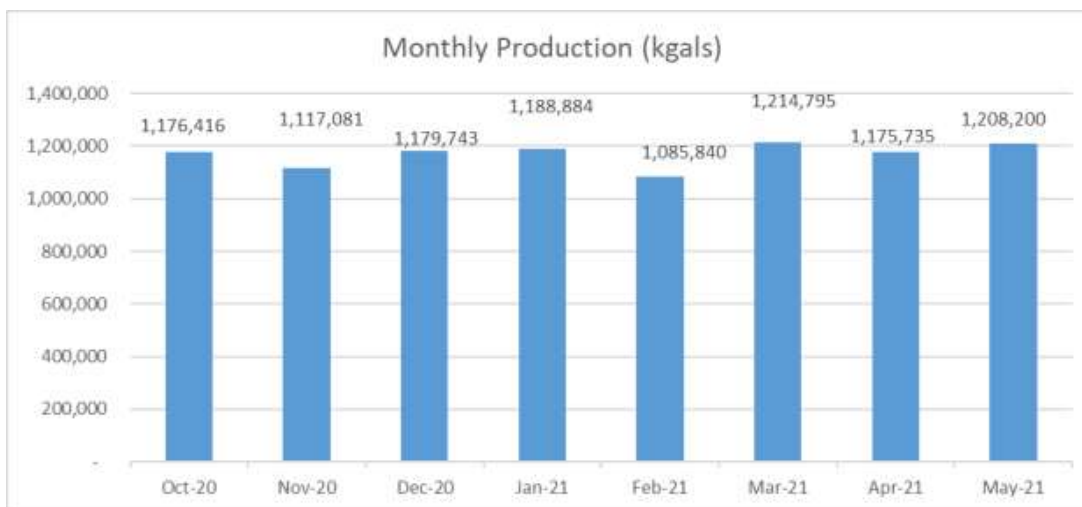
One Shot Remaining	15	4.16%
Fully Vaccinated	268	74.24%
Did Not Receive Shot	78	21.61%
<b>Total</b>	<b>361</b>	<b>100.00%</b>

## Operations Update

Production (May 2021)

Monthly Production Summary - May 2021				
Deep Wells			35.8 MGD	
Active wells =	93	of 120		
Avg days in operation =	31	days		
Total Production =	1,111,125	Kgals		
Springs			0.20 MGD	
Avg days in operation =	31	days		
Total Production =	6080	Kgals		
Ugum Surface Water Plant			2.0 MGD	
Avg days in operation =	31	days		
Total Production =	62,052	Kgals		
Tumon Maui Well			0.93 MGD	
Avg days in operation =	31	days		
Total Production =	28,943	Kgals		
			1,208,200	Kgals
			39.0 MGD	

DW Status as of 5/31/2021		
Active	93	
Grounded motor or Pump Failure	14	A26-D01-D03-D06-F02-F06-F08-F10-F13-F15-M12-M17A-Y16-Y20
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Temporarily Secured	2	A23-A25
Standby	3	A29-M08-M09
TOTAL	120	

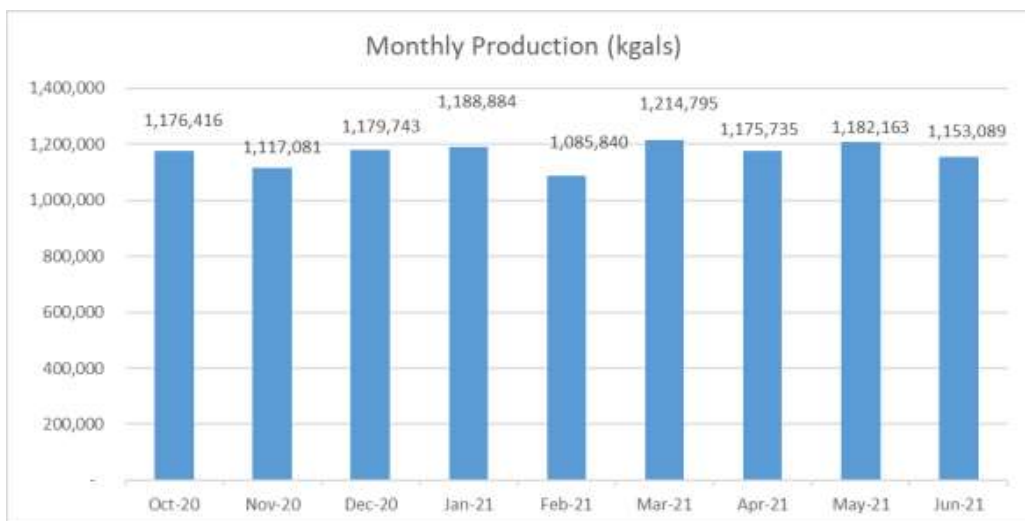


## Operations Update

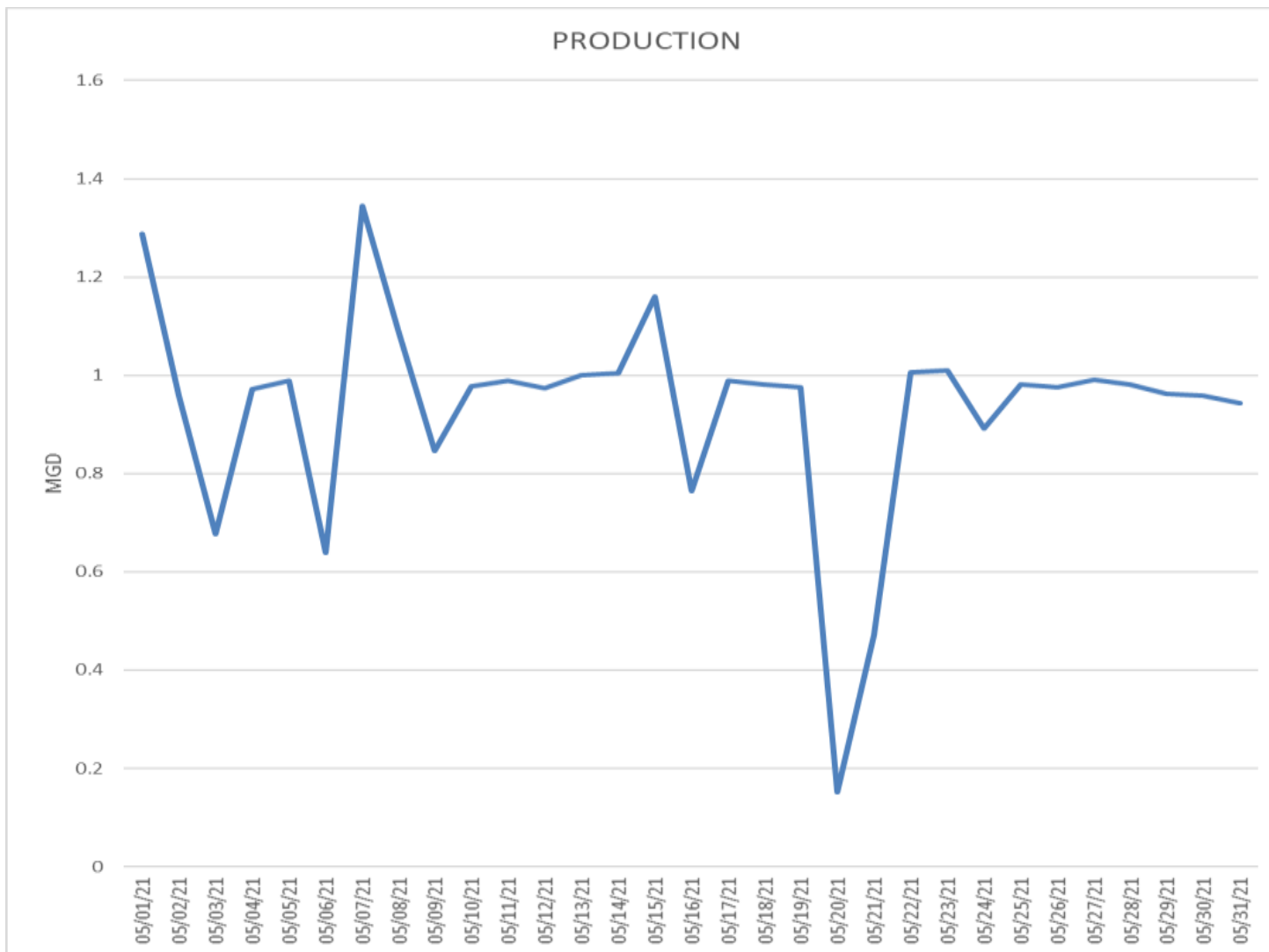
Production (June 2021)

Monthly Production Summary - June 2021				
Deep Wells			35.2 MGD	
Active wells =	95	of 120		
Avg days in operation =	30	days		
Total Production =	1,054,950	Kgals		
Springs			0.19 MGD	
Avg days in operation =	30	days		
Total Production =	5,775	Kgals		
Ugum Surface Water Plant			2.1 MGD	
Avg days in operation =	30	days		
Total Production =	62,904	Kgals		
Tumon Maui Well			0.98 MGD	
Avg days in operation =	30	days		
Total Production =	29,460	Kgals		
			1,153,089	38.4 MGD

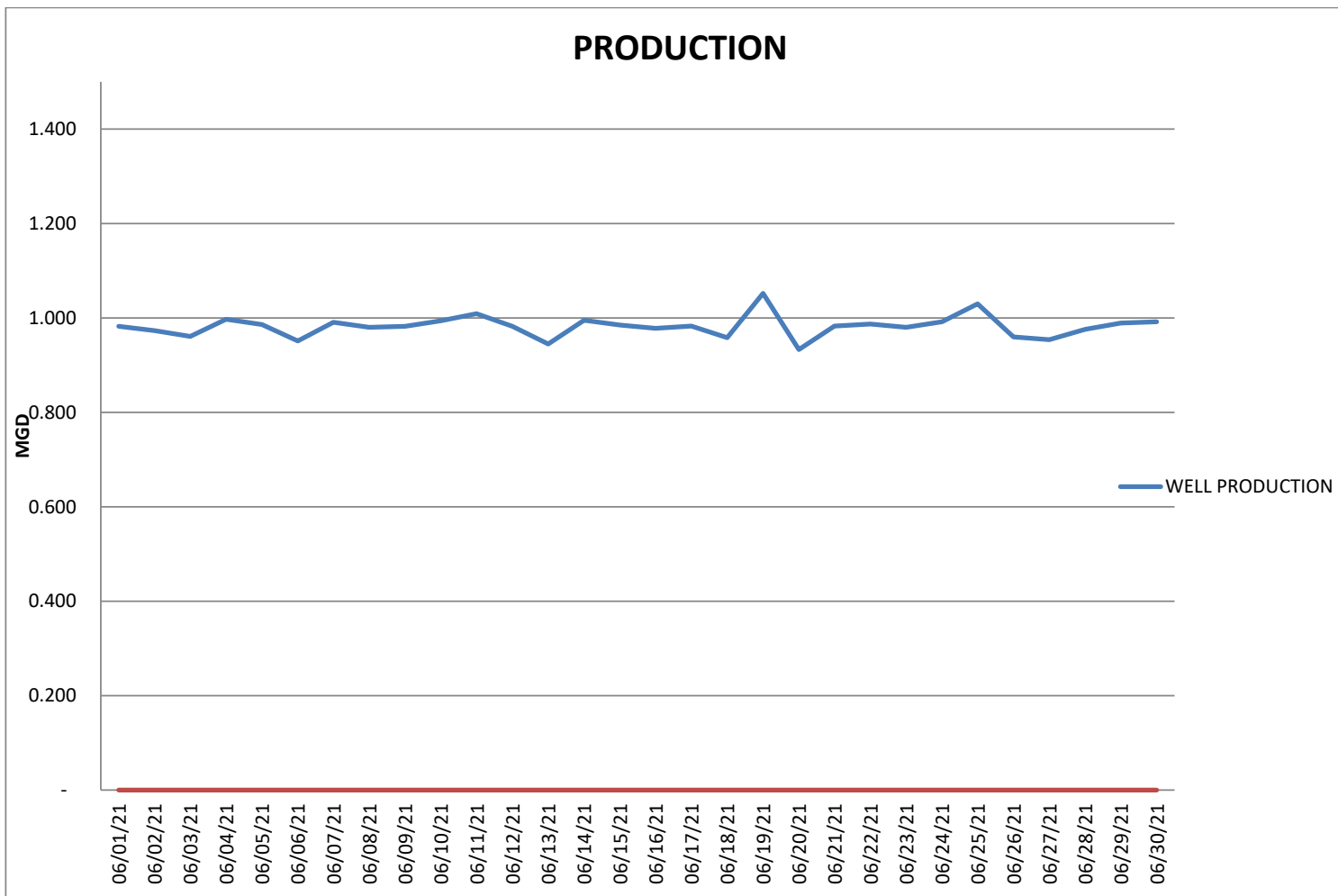
DW Status as of 6/30/2021		
Active	95	
Grounded motor or Pump Failure	14	A26-D01-D03-D18-D24-F06-F10-F13-F15-F19-M17A-Y04-Y16-Y20
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Temporarily Secured	2	A23-A25
Standby	1	A29
TOTAL		



Tumon Maui Well Production (May 2021)

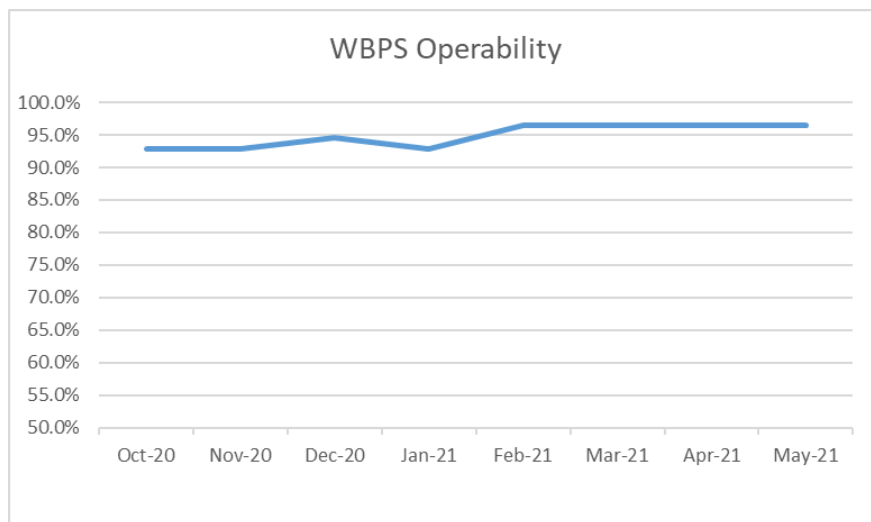


Tumon Maui Well Production (June 2021)



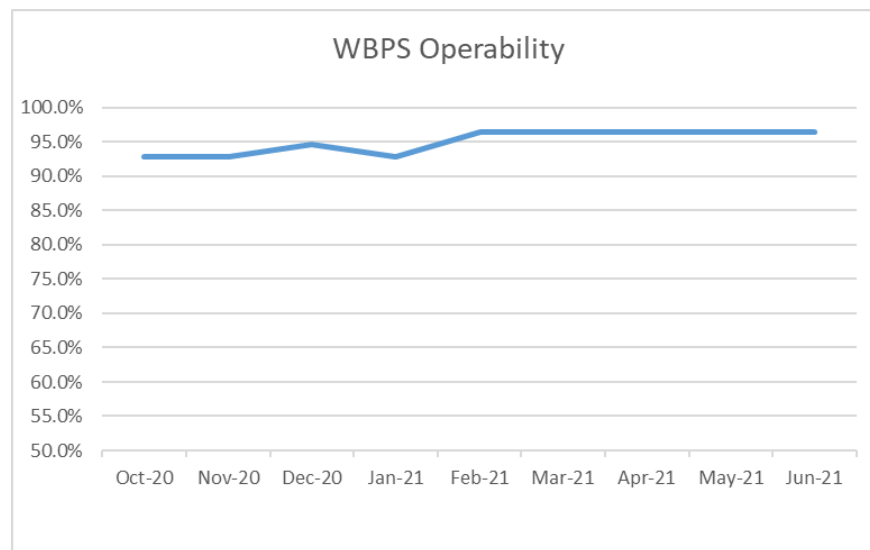
## Distribution (May 2021)

Monthly Distribution Summary - May 2021					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	25	96.2%
	Central	7	14	13	92.9%
	Southern	7	16	16	100.0%
		27	56	54	96.4%

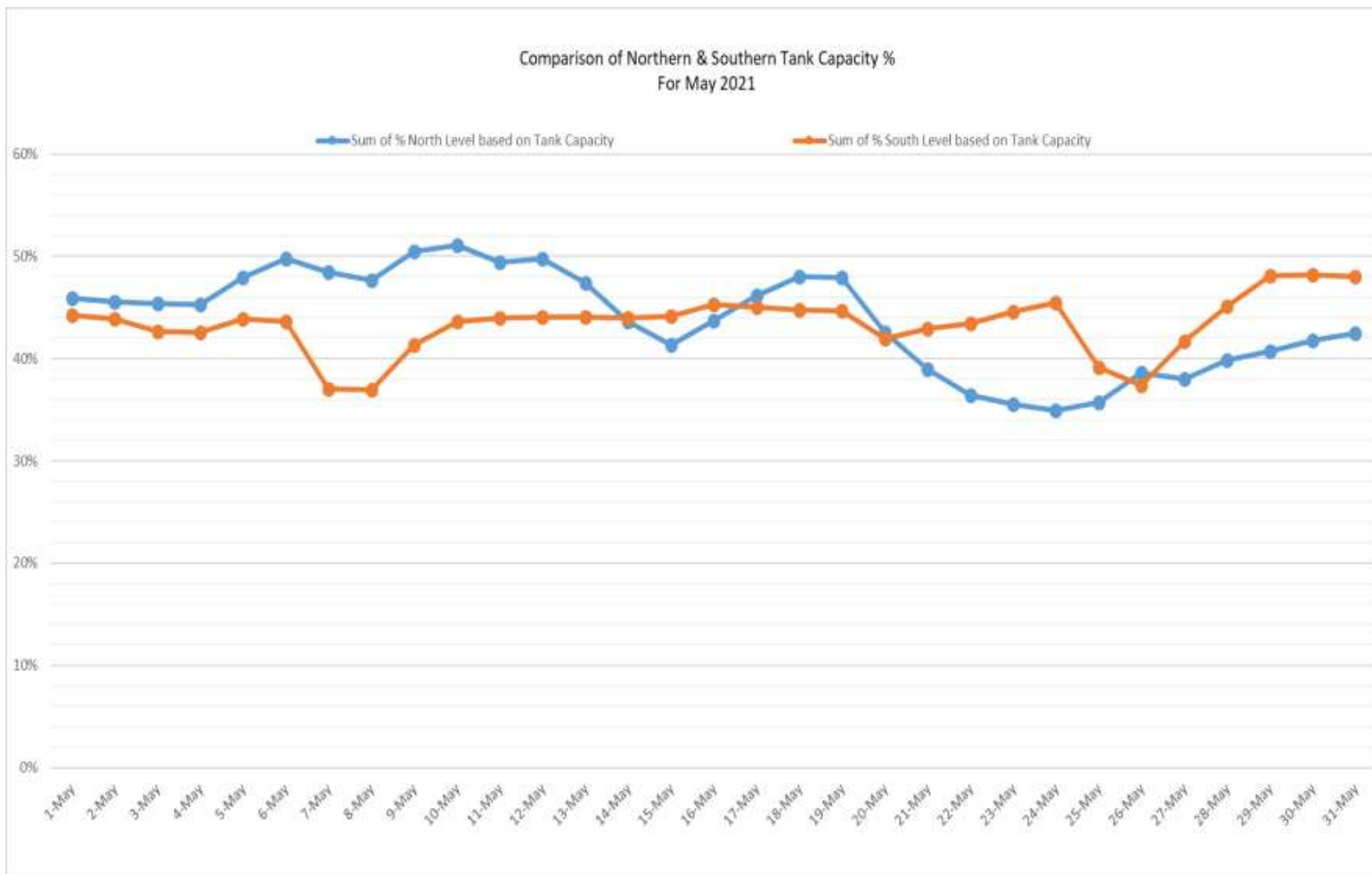


## Distribution (June 2021)

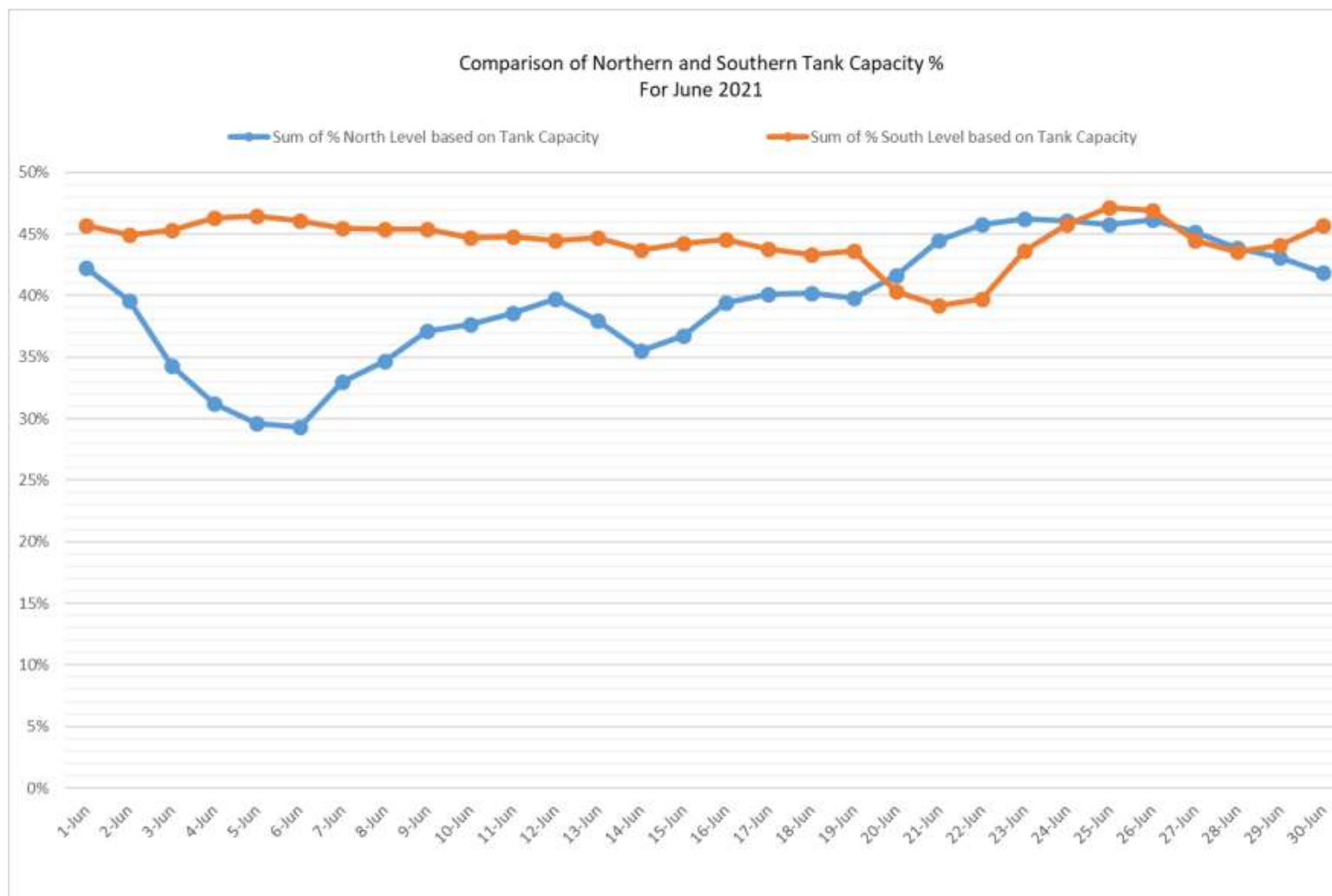
Monthly Distribution Summary - June 2021					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	25	96.2%
	Central	7	14	13	92.9%
	Southern	7	16	16	100.0%
		27	56	54	96.4%



Distribution – Tank Levels (May 2021)

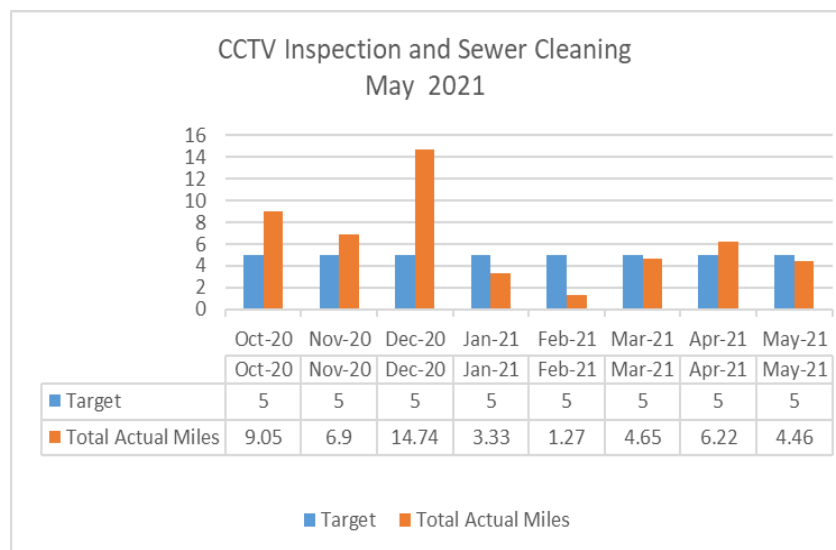
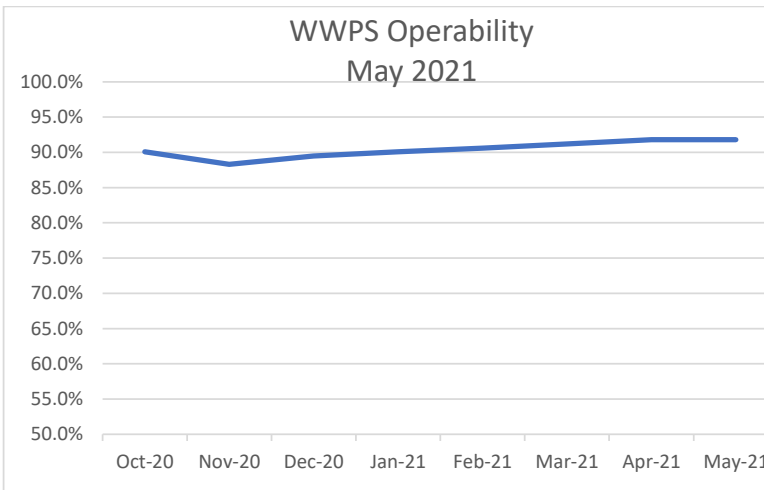


Distribution – Tank Levels (June 2021)

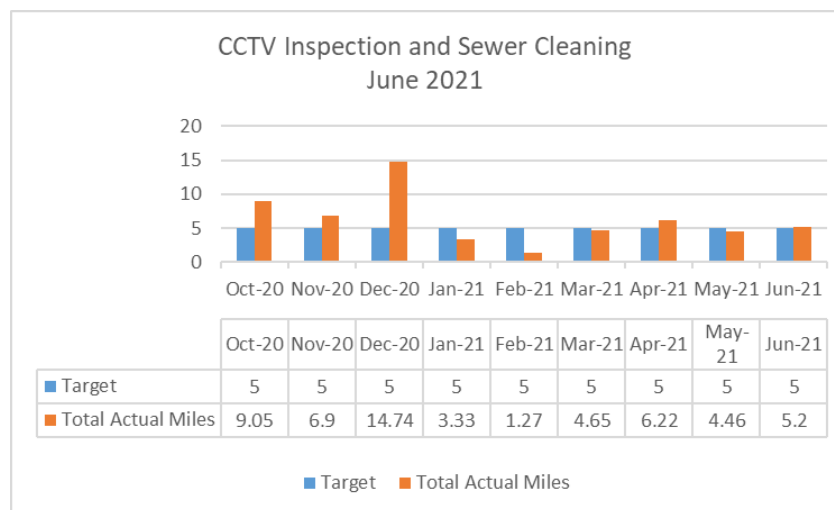
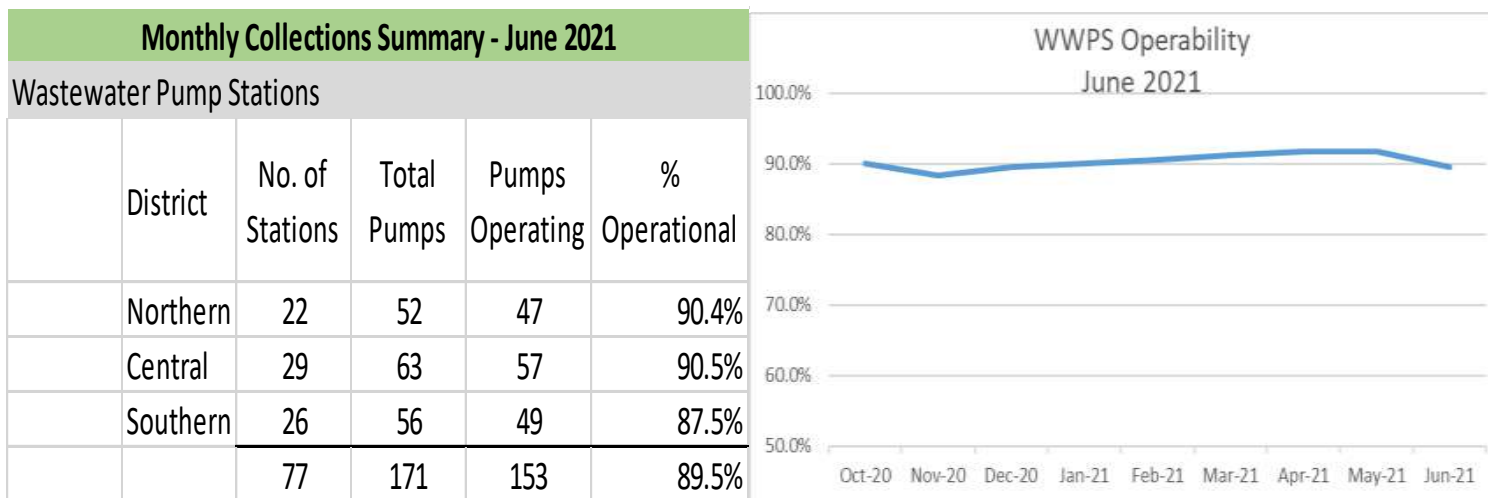


## Wastewater Collections (May 2021)

Monthly Collections Summary - May 2021					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	47	90.4%
	Central	29	63	60	95.2%
	Southern	26	56	50	89.3%
		77	171	157	91.8%

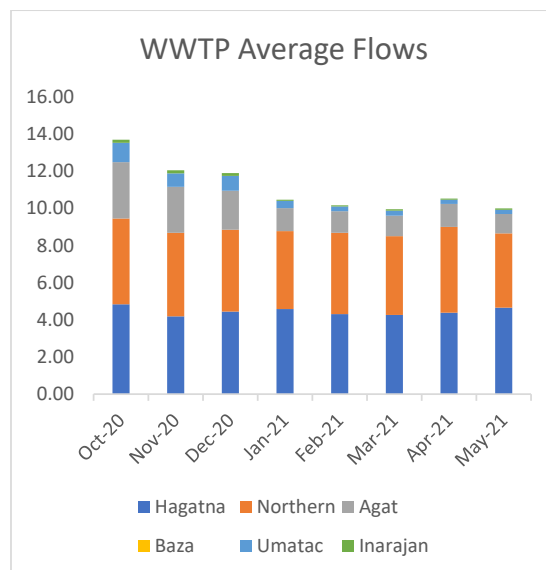


## Wastewater Collections (June 2021)



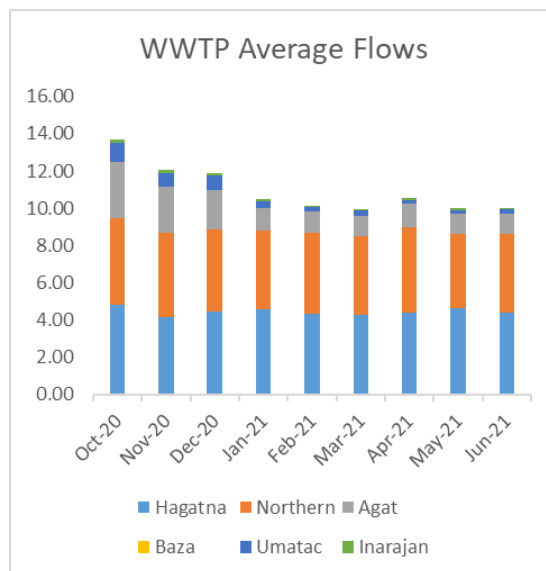
## Wastewater Treatment (May 2021)

Monthly Wastewater Treatment Summary - May 2021				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.65	479,649	\$ 43,168
	Northern	4	726,000	\$ 65,340
	Agat	1.05	56,780	\$ 5,110
	Baza	0		
	Umatac	0.22		
	Inarajan	0.07		
		9.99	1,262,429	\$ 113,618



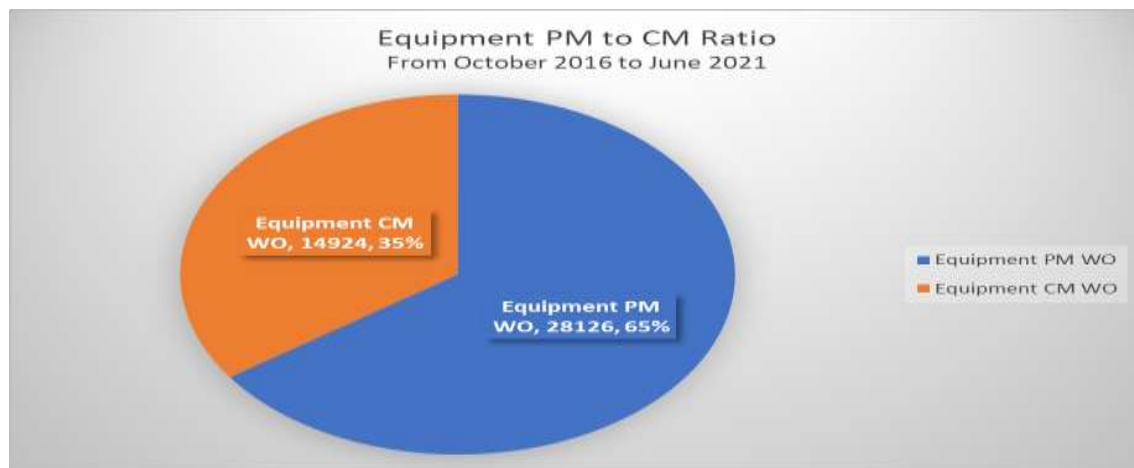
## Wastewater Treatment (June 2021)

Monthly Wastewater Treatment Summary - June 2021				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.40	381,340	\$ 34,366
	Northern	4.2	568,380	\$ 51,154
	Agat	1.12	21,520	\$ 1,937
	Baza	0		
	Umatac	0.21		
	Inarajan	0.07		
		10.00	971,240	\$ 87,457

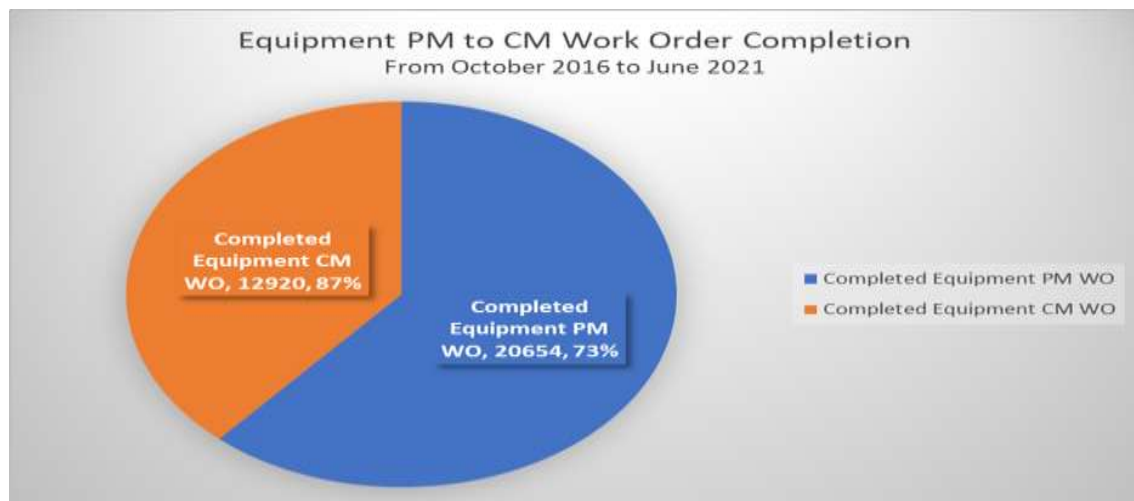


Asset Management (through June 2021)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

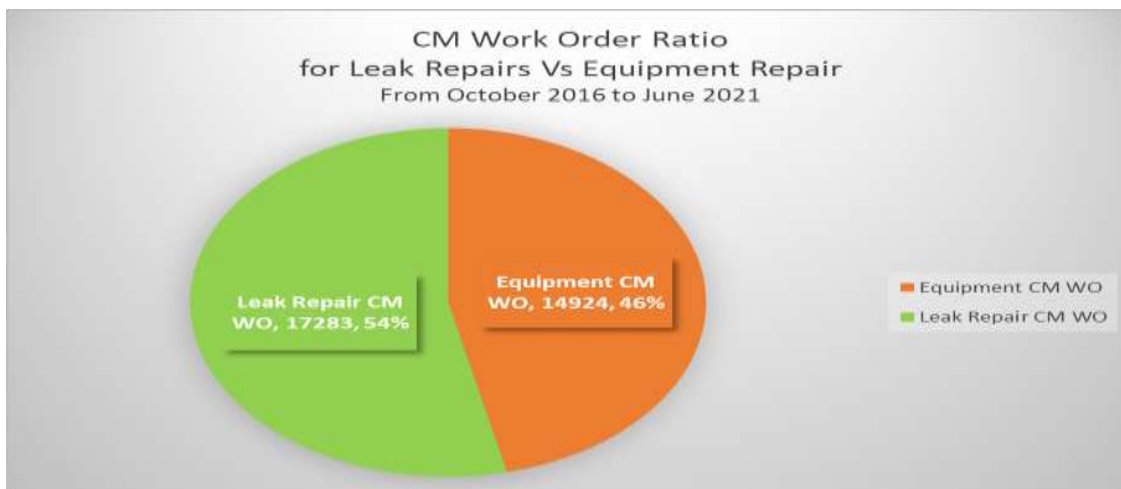


II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*

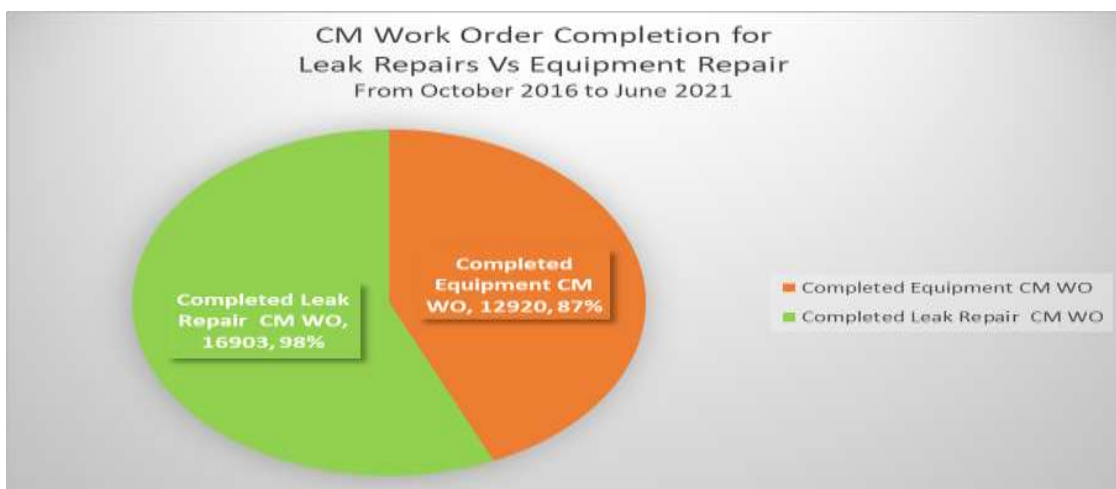


Asset Management (June 2021)

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 July 2021)

### **Tumon Maui Well**

- Quarterly Inspection was completed in June 23, 2021; No major issues, minor corrections will be addressed. GWA is requesting the complete inspection report.
- License renewal was approved. GWA is waiting for the formal documents.
- GWA requested increase in allowable pumping rate; AAFB is considering request; DoD will move forward with the license without the approval of the increase in the pumping rates. If the request for increase with the pumping rates is approved, then DOD will amend the license to reflect the change.

### **AG-1 Intertie with Andersen**

- AG-1 License for the well was approved; GWA requested for an increase in pumping rates and still waiting on the approval.
- DOD will be issuing a Grant of Easement for the water line as part of an intertie with Andersen. GWA Engineering is determining if there is a need to relocate the easement.
- GWA is working on modeling the water system to provide water to Andersen

### **OEA Projects**

- Observation Wells/NGLA
  - Notice to Proceed was issued for the construction of the wells. The Temporary Construction Easement was signed by GWA and approved by DOD.
  - Presentation to DOD leadership and CCU on prospective monitoring of expanded MW system is scheduled for July.

### **BPM-1**

- The license for the BPM- 1 was issued for the use of the property. GWA signed the license and submitted back to DOD. The long-term goal is to transfer the property to GWA.

### **Water for Camp Blaz**

- Estimated timeline for water to Camp Blaz will be late September 2021
- Camp Blaz contractor will follow the regular application process for water service. The water connection will be at Potts Junction

## One Guam Update (through July 2021)

### **Strategy/Framework Discussion**

- Route 16 Intertie
- Map of Route 16 meter and vault location was submitted to GWA.
- An MOU will be developed similar to the Santa Rosa MOU covering the responsibilities for each party including who can access and open the vault

### **Property Transfers**

- Transfer of Navy Laterals at Murray Road to GWA - No new update
- Transfer of ACEORP Tunnel -Governor of Guam has not signed off on it - GEPA agree with the transfer but would like the trash removed

### **Other**

- Easement for Marbo Property for sewer line – GWA Engineering provided a draft justification for the use of the easement for GWA's sewerline at the Marbo area. Once finalized, the letter will be submitted for DOD's consideration.

## Court Order Summary (May and June 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>	

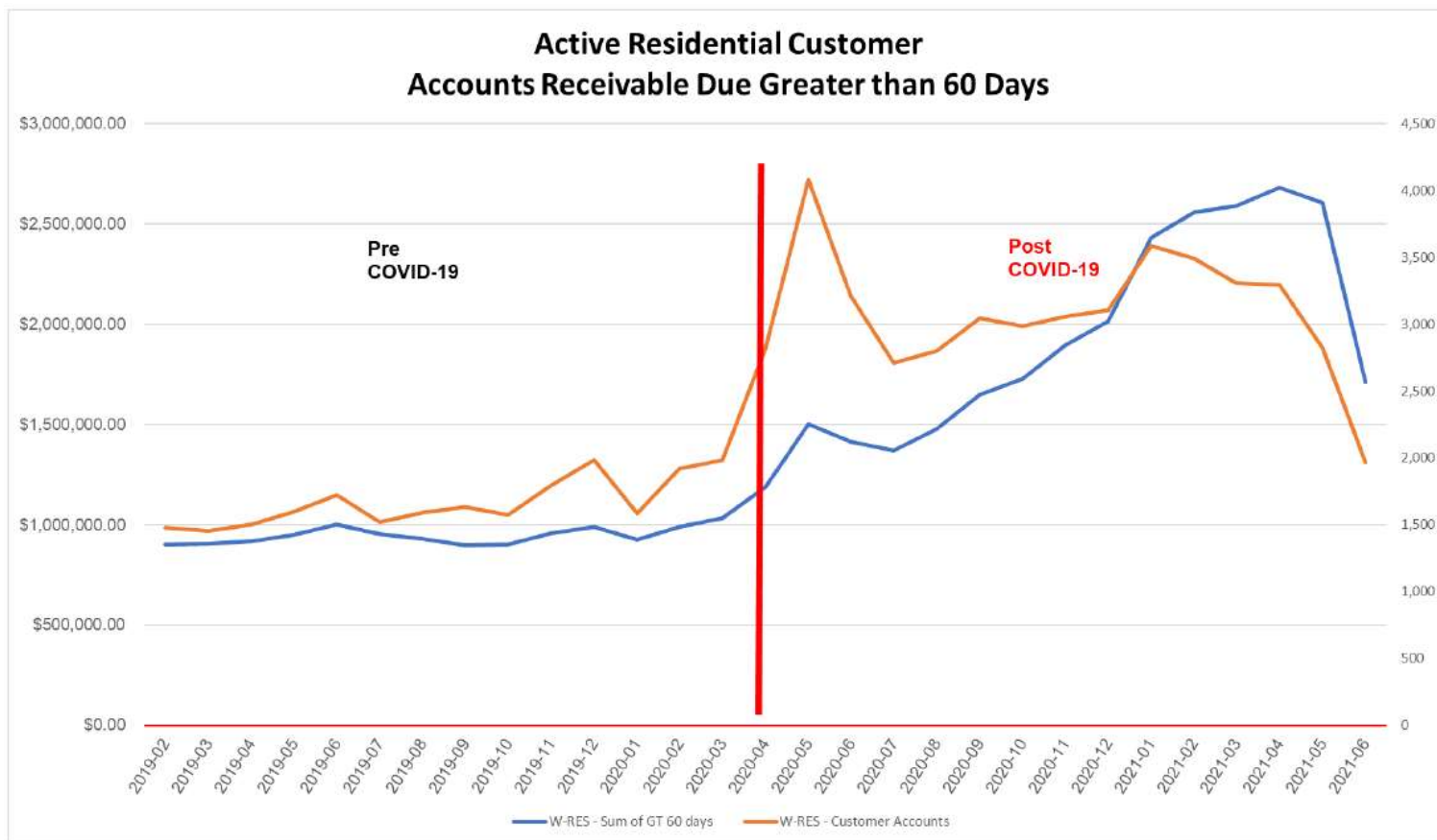
## Court Order – Status Information (May and June 2021)

- 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#425 - May 8, 2021: Malate Street, Mongmong-Toto-Maite – FOG
  - SSO#427 - May 19, 2021: Aga Street, Santa Rita – FOG
  - No SSOs in June
  - SSO#438 – July 11, 2021: Chalan Kanton Tasi, Merizo, SSO - PS Control failure

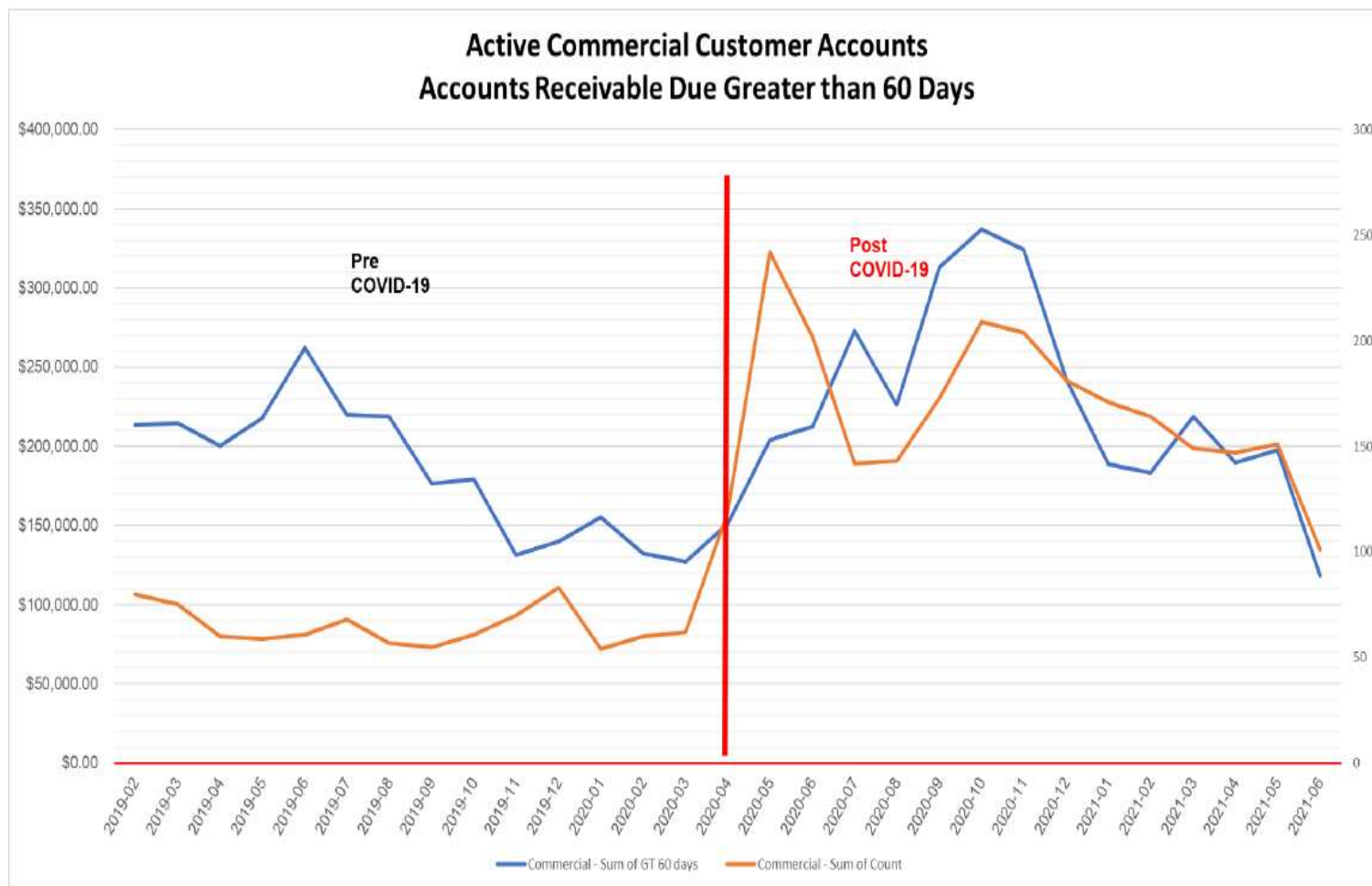
## Land Acquisition Summary (for May and June 2021)

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>Email follow up sent to DLM 06/15/2021.</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>Order appointing Judge Pro Tempore 06/02/2021. Request to Grant Petition to Sale Estate Property filed with Superior Court of Guam 06/21/2021</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. <b>Letter of Decision received by CLTC 06/09/2021</b>
Asan Springs	Asan	Federal	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. <u>Biological Survey:</u> 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. <ul style="list-style-type: none"> <li><b>Draft report submitted to NPS, 4/1/2021.</b></li> <li><b>Comments received from NPS, 6/4/2021.</b></li> <li><b>Final Report submitted to NPS, 6/12/2021.</b></li> </ul> Pending archaeological survey requirements from SHPO. <b>SHPO Letter sent to NPS for review- 5/29/2021.</b>

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



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





# GWA Financial Overview

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JUNE 2021





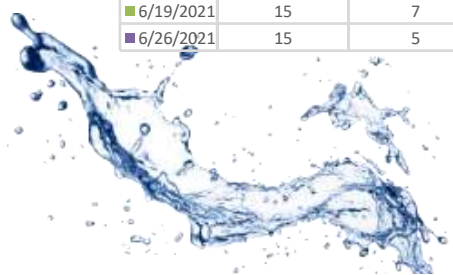
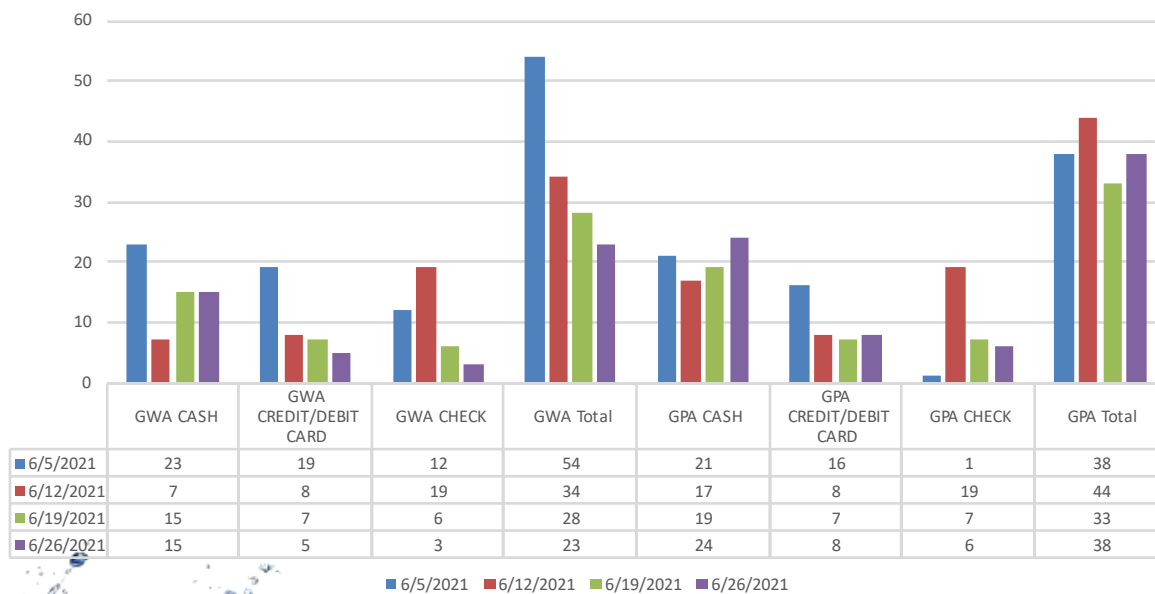
## Key Financial Indicators

Indicator	Target	May-21	Jun-21
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.35	1.34
• Per PUC / CCU	1.40	1.35	1.34
Days - Cash on Hand	120 days	274 days	306 days
Collection Ratio			
• Month to Date	99%	92%	108%
• Year to Date	99%	97%	98%
Days Billed	30 days	31 days	30 days
Account Receivable Days	30 days	46 days	44 days
Account Payable Days	45 days	30 days	30 days
Employee Count	400 FTE	362 FTE	361 FTE
Water Demand			
• Month to Date	478,754	470,639	455,272
• Year to Date	4,308,788	3,550,873	4,006,145
Wastewater Flow			
• Month to Date	356,472	335,234	315,154
• Year to Date	3,208,251	2,514,213	2,829,368
Water Customers	42,839	43,304	43,157
Wastewater Customers	29,805	29,995	29,998



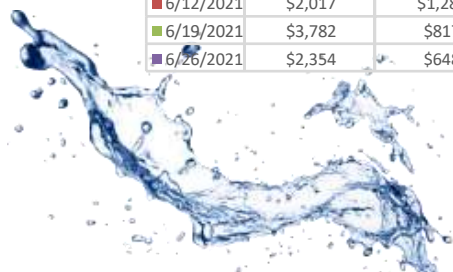
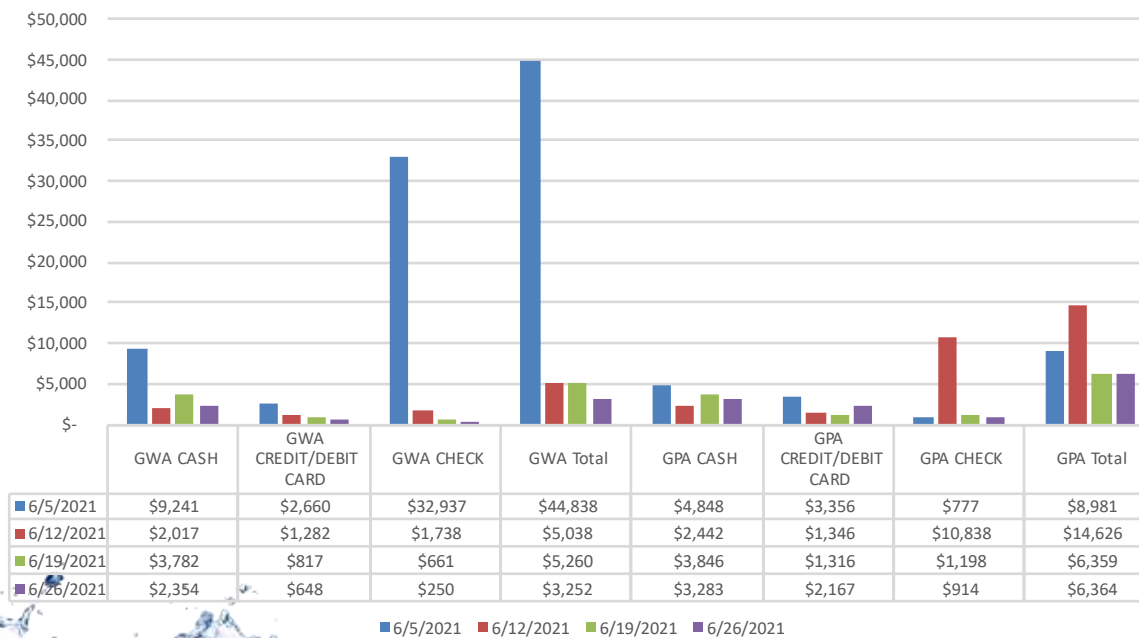


## Saturday Collection - Count



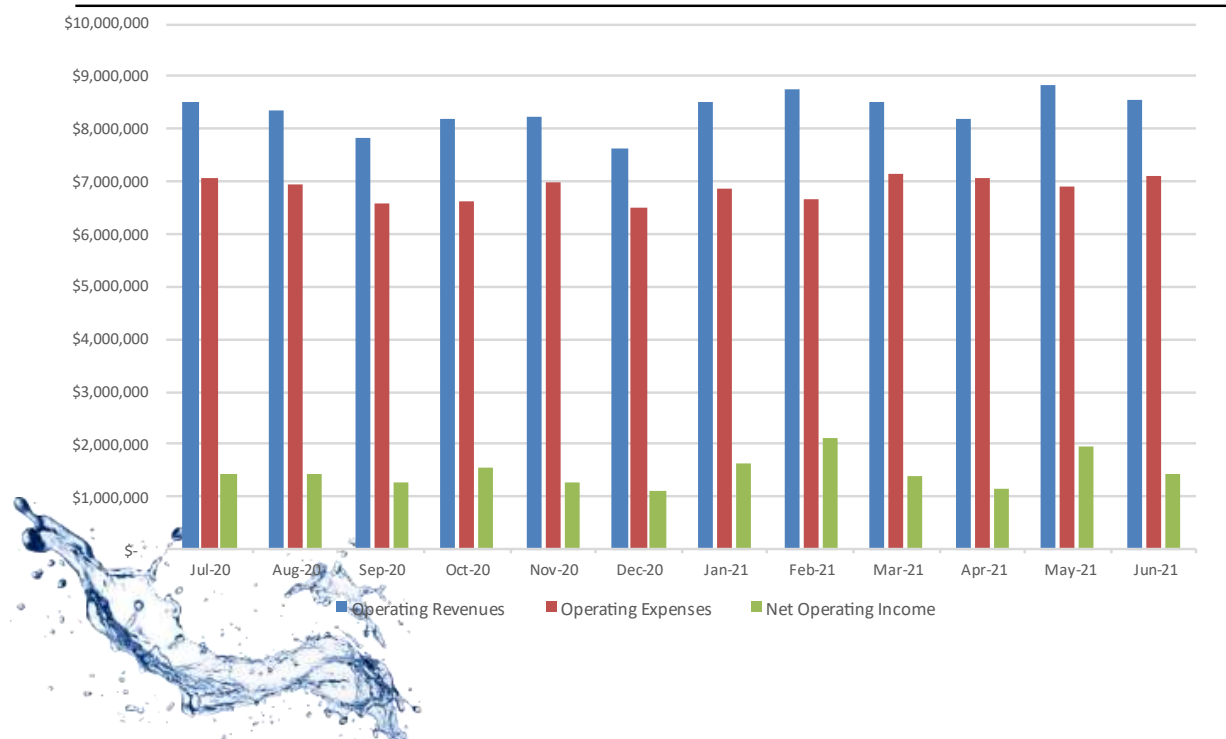


## Saturday Collection - Amount





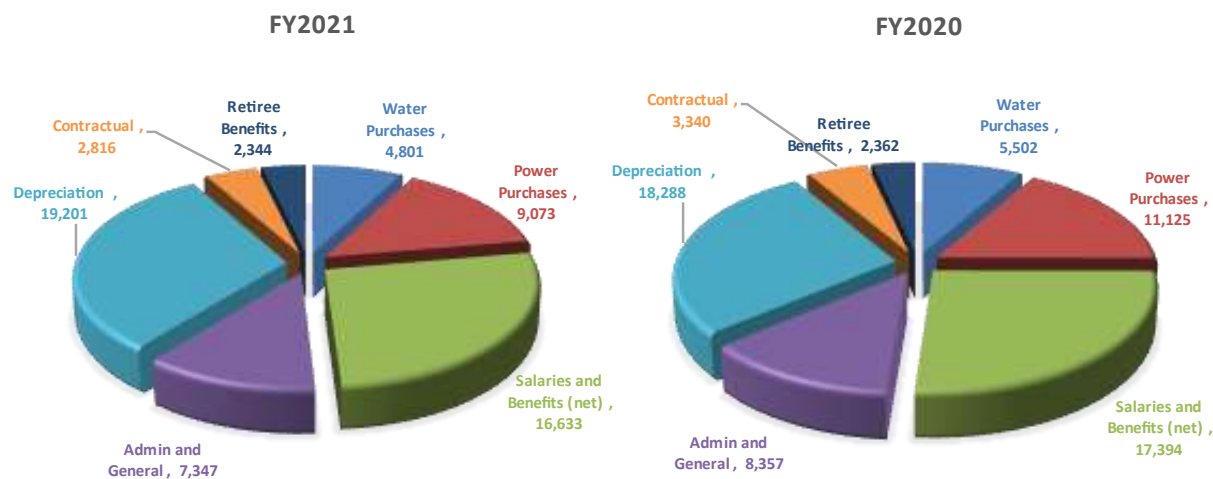
## Income Statement





## JUNE 2021 YTD Expenses by Categories

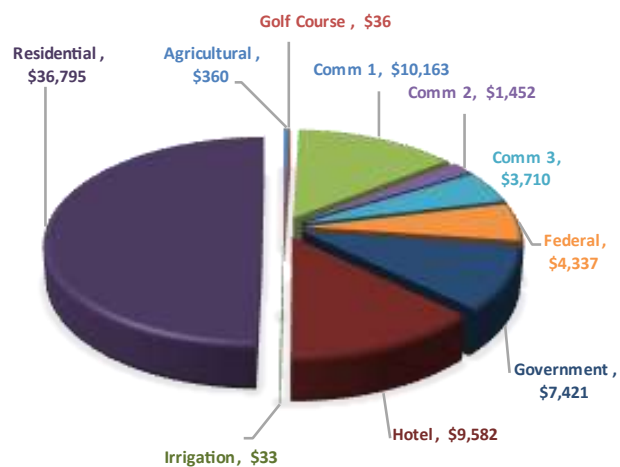
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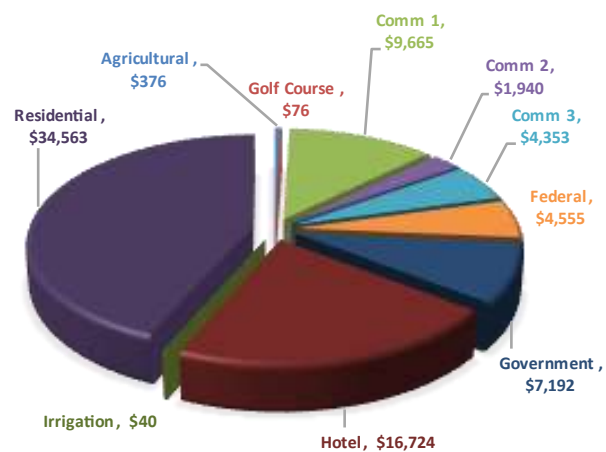


## JUNE 2021 YTD Revenues by Rate Class

FISCAL YEAR 2021 (in '000)



FISCAL YEAR 2020 (in '000)

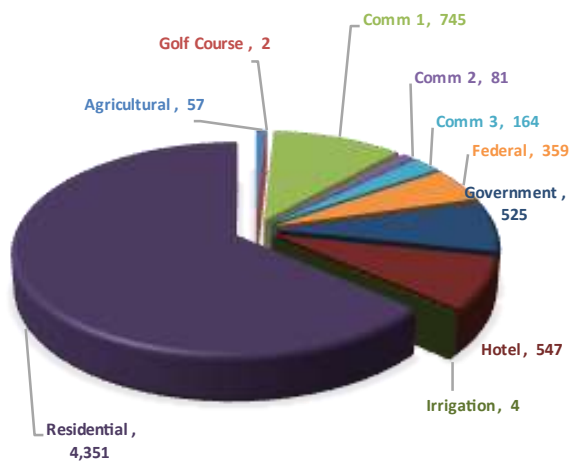




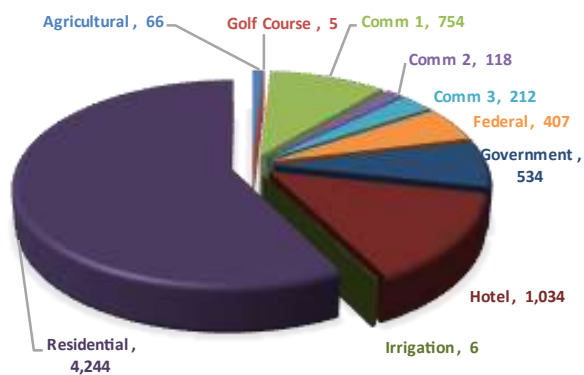
## JUNE 2021 YTD Demand & Flow

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FISCAL YEAR 2021 (in mGals)

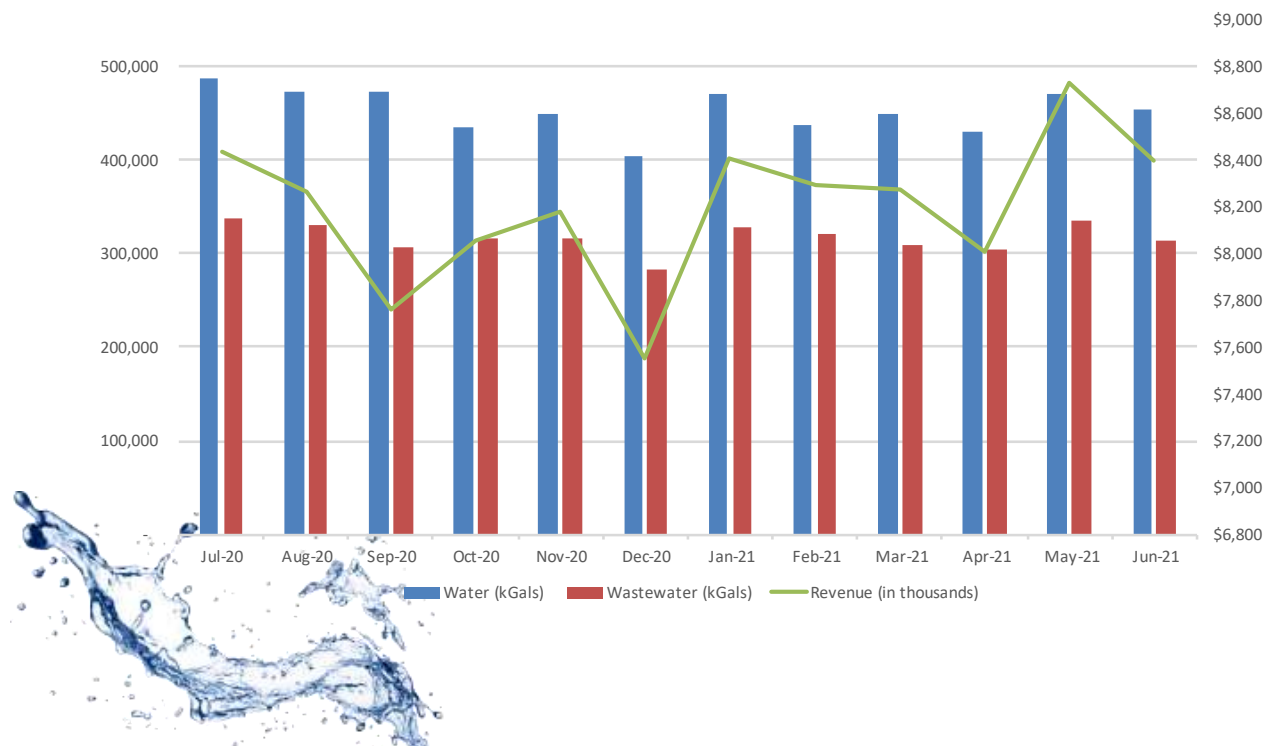


FISCAL YEAR 2020 (in mGals)



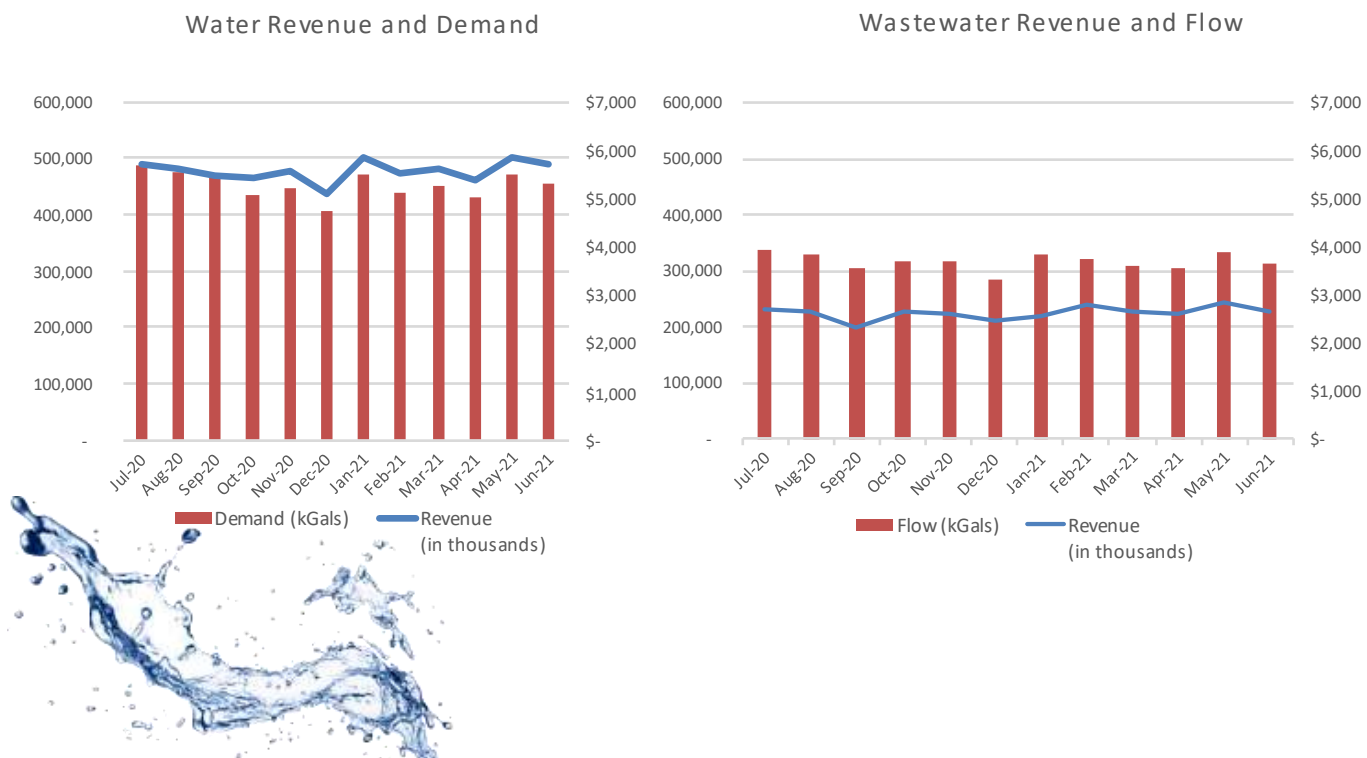


## Overall Revenues and Demand



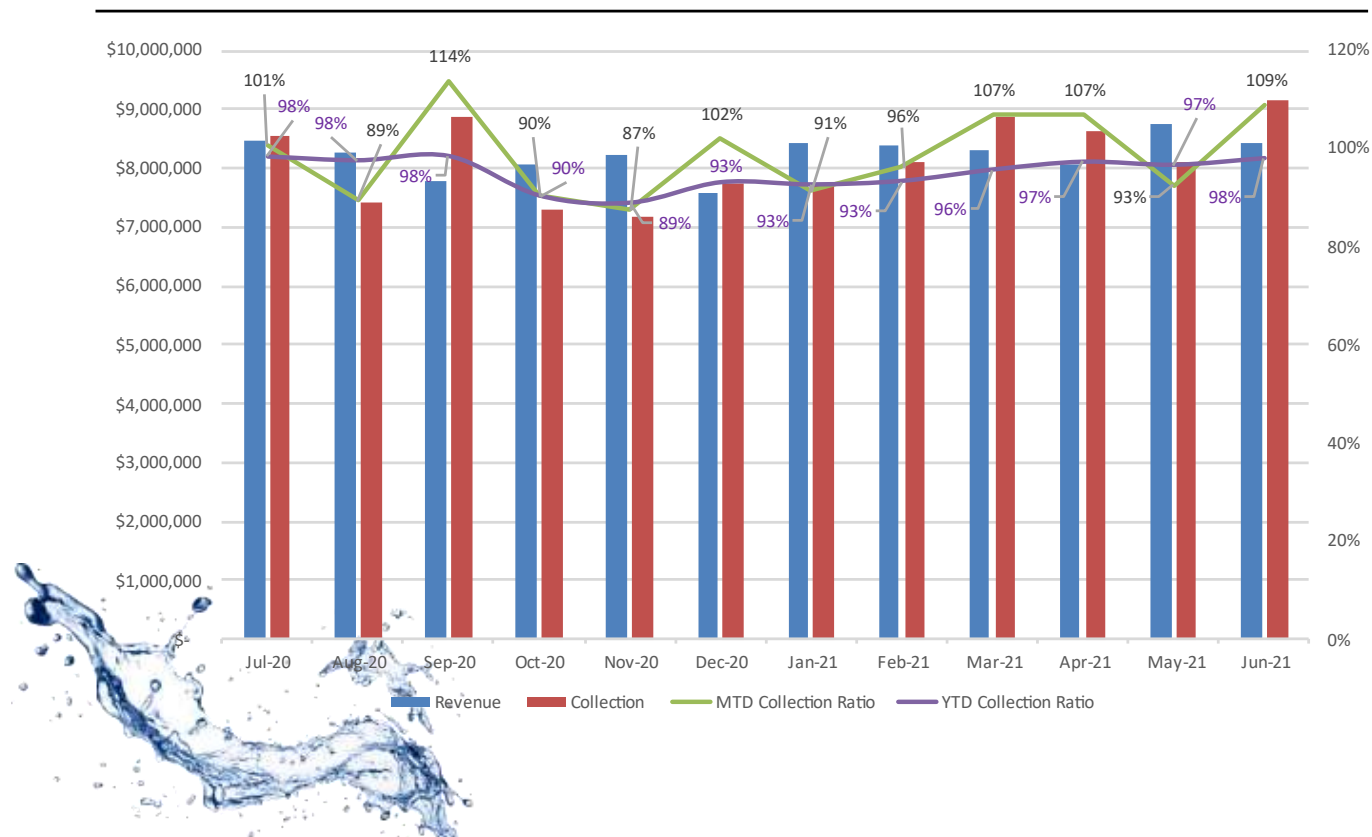


## Revenues and Demand



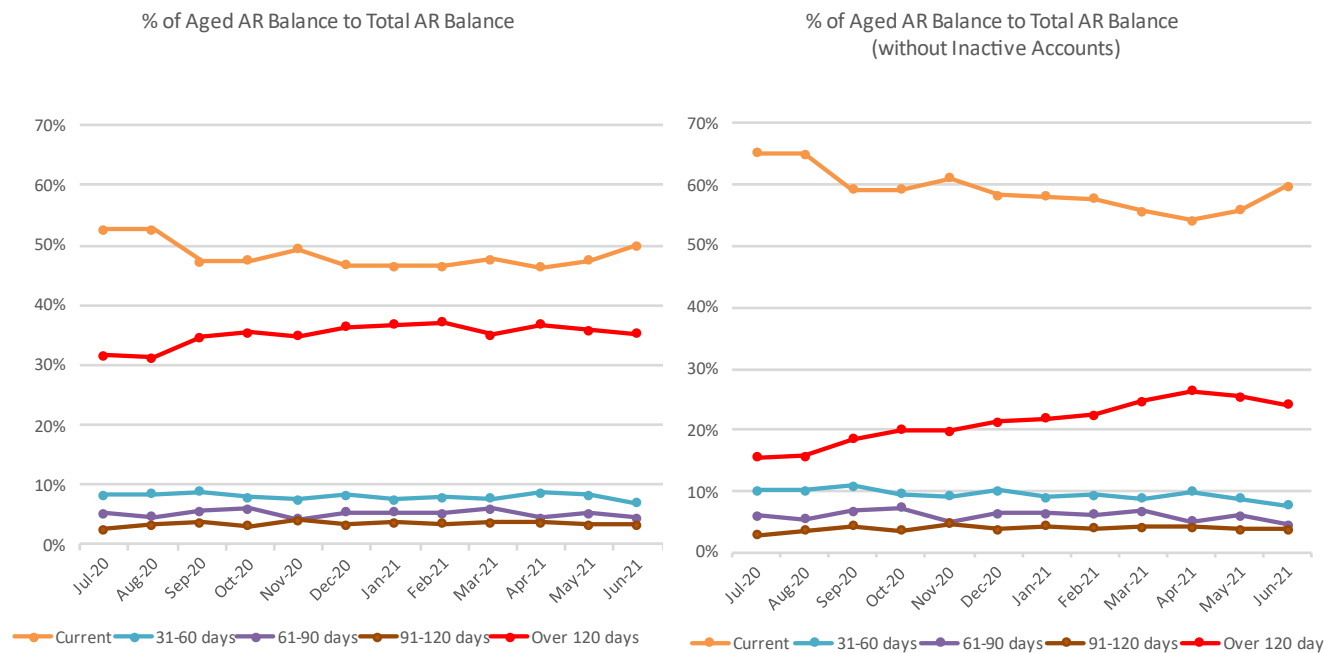


## Overall Revenues and Collections





## Overall – AR Aging



GWA Work Session - July 20, 2021 - DIVISION REPORTS

GWA Utility Services Division  
Monthly Status Report  
Month ending JUNE 2021

FY2021		WEEK ENDING: 06/05/21	WEEK ENDING: 06/12/21	WEEK ENDING: 06/19/21	WEEK ENDING: 06/26/21	WEEK ENDING: 07/03/21	JUNE 2021 MONTHLY TOTAL	WEEKLY AVERAGE JUNE 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES									WEEKLY AVERAGE MAY 2021	MAY 2021 MONTHLY TOTAL
<b>Collections Activities:</b>										
I.	Number of accounts cut for nonpayment:	90	142	130	133	132	627	125	0	0
II.	Number of accounts restored for nonpayment:	55	93	92	94	81	415	83	1	4
III.	Number of No water reports responded to:	0	0	0	0	0	0	0	4	14
IV.	Number of Secure/Unsecure valve reports responded to:	0	0	0	0	0	0	0	12	46
V.	Number of Verify reads responded to:	0	0	0	0	0	0	0	0	0
VI.	Number of new pay plans negotiated for active accounts:	233	120	102	98	91	644	129	138	550
VII.	Number of active pay plans negotiated and ongoing:	737	738	817	849	738		776	473	
VIII.	Number of inactive accounts with a payment arrangement:	9	9	9	9	9		9	9	
IX.	Number of broken payment plans:	57	37	65	35	100	294	59	27	106
<b>Customer Service Activities (lobby visits):</b>										
<b>A. GBN Public Service Building – Fadian</b>										
i.	Total Customers Assisted:	269	251	234	231	261	1246	249	177	709
ii.	Total Abandoned Requests:	17	9	5	10	20	61	12	6	24
iii.	Average Wait Time:	9 minutes	9 minutes	10 minutes	10 minutes	12 minutes		10 minutes	8.25 minutes	
iv.	Average Service Time:	15 minutes	12 minutes	14 minutes	7 minutes	14 minutes		12.4 minutes	13 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	63	62	52	52	79	308	62	57	226
2.	Restore water cut for non payment:	1	3	18	12	10	44	9	0	0
3.	Terminate Water:	14	6	19	17	20	76	15	10	41
4.	Copy of Bill:	20	28	26	21	13	108	22	13	53
5.	Billing Dispute:	79	70	68	69	87	373	75	41	164
6.	Billing Dispute follow up:	0	0	0	1	0	1	0	0	0
7.	General Questions & Other:	52	57	38	61	48	256	51	44	174
8.	Report a water leak:	0	1	0	0	0	1	0	0	1
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	43	25	17	3	4	92	18	11	42
<b>B. Julate Satellite Office – Hagatna</b>										
i.	Total Customers Assisted:	192	199	210	176	196	973	195	131	523
ii.	Total Abandoned Requests:	6	10	11	9	5	41	8	6	23
iii.	Average Wait Time:	10 minutes	6 minutes	6 minutes	6 minutes	4 minutes		6.4 minutes	5 minutes	
iv.	Average Service Time:	10 minutes	10 minutes	9 minutes	10 minutes	9 minutes		9.6 minutes	10.5 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	36	44	57	48	52	237	47	40	158
2.	Restore water cut for non payment:	29	23	13	16	5	86	17	0	0
3.	Terminate Water:	20	10	15	20	13	78	16	14	55
4.	Copy of Bill:	24	29	31	38	39	161	32	24	94
5.	Billing Dispute:	46	41	53	31	53	224	45	26	103
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	1
7.	General Questions & Other:	16	35	33	25	28	137	27	18	73
8.	Report a water leak:	0	0	0	0	0	0	0	0	1
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	22	17	9	10	7	65	13	12	48
<b>C. Upper Tumon Satellite Office – Upper Tumon</b>										
i.	Total Customers Assisted:	217	201	165	203	217	1003	201	156	623
ii.	Total Abandoned Requests:	5	3	4	1	4	17	3	5	19
iii.	Average Wait Time:	6 minutes	4 minutes	3 minutes	2 minutes	6 minutes		4.2 minutes	2.75 minutes	
iv.	Average Service Time:	16 minutes	15 minutes	14 minutes	10 minutes	15 minutes		14 minutes	14 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	45	52	56	45	58	256	51	46	185
2.	Restore water cut for non payment:	8	22	13	25	23	91	18	0	0
3.	Terminate Water:	34	12	16	20	24	106	21	19	75
4.	Copy of Bill:	13	13	10	11	15	62	12	12	47
5.	Billing Dispute:	54	78	50	67	68	317	63	55	218
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	0
7.	General Questions & Other:	23	16	16	26	17	98	20	15	60
8.	Report a water leak:	0	0	0	0	0	0	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	42	10	11	11	12	86	17	12	46

GWA Work Session - July 20, 2021 - DIVISION REPORTS

GWA Utility Services Division  
Monthly Status Report  
Month ending JUNE 2021

FY2021		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	JUNE 2021 MONTHLY TOTAL	WEEKLY AVERAGE JUNE 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		06/05/21	06/12/21	06/19/21	06/26/21	07/03/21			WEEKLY AVERAGE MAY 2021	MAY 2021 MONTHLY TOTAL
<b>Customer Service Activities (Electronic):</b>										
i.	Emails Received:									
	1. customers@guamwaterworks.org:	212	158	172	166	213	921	184	147	587
	Request type (email):									
	a. Apply for water:	41	36	41	31	44	193	39	37	147
	b. Terminate Water:	24	18	22	19	27	110	22	18	70
	c. Copy of Bill:	4	9	7	5	4	29	6	6	22
	d. Billing Dispute & follow up:	7	9	14	21	14	65	13	7	27
	e. General Questions & Other:	84	49	51	62	76	322	64	55	218
	f. Report a water leak:	6	12	4	9	11	42	8	6	23
	g. Report water theft:	0	0	0	0	0	0	0	0	0
	h. Online services inquiry:	46	24	33	19	37	159	32	19	77
	2. gwaservesme@guamwaterworks.org (realtors/prop	0	1	0	0	0	1	0	1	2
ii.	Emails Replied (both):	151	97	89	109	100	546	109	98	391
iii.	Online Portal:									
	Request type (online portal):									
	a. Start Service:	0	1	0	1	1	3	1	1	2
	b. Stop Service:	1	0	1	3	0	5	1	2	7
	c. Payment Plan:	17	1	0	1	2	21	4	10	41
	d. Customer Information Updates:	0	0	0	0	0	0	0	1	4
	e. Service Investigations:	0	0	0	1	2	3	1	1	2
	f. Account Inquiries:	2	1	0	1	2	6	1	3	10
	g. Technical Support:	1	0	0	1	0	2	0	0	1
	h. Outages & Emergencies:	0	0	0	0	0	0	0	0	0
<b>Call Center Activities:</b>										
i.	Calls Received:	1845	1248	1417	1202	1334	7046	1409	864	3456
ii.	Calls Immediately Answered:	762	791	734	795	705	3787	757	543	2172
iii.	Calls Abandoned:	81	36	54	40	58	269	54	47	186
iv.	Calls Handled by Voice mail:	1002	418	629	367	570	2986	597	274	1094
v.	Average duration of call:	6 minutes	5 minutes	6 minutes	6 minutes	7 minutes		6 minutes	5.5 minutes	
vi.	Breakdown by request type:									
	1. Apply/Terminate info:	35	39	36	31	31	172	34	36	144
	2. Automated Telephone Call:	0	0	0	0	0	0	0	0	0
	3. Balance Inquiry:	86	77	83	82	70	398	80	66	262
	4. Call Back:	32	12	8	6	19	77	15	10	41
	5. Dispatch:	23	22	32	17	12	106	21	21	82
	6. Dispute:	0	0	1	1	1	3	1	1	5
	7. Follow-up:	35	61	43	37	42	218	44	50	199
	8. General Questions & Other:	226	254	372	541	236	1629	326	161	642
	9. Route Calls to GWA Staff:	172	125	103	190	165	755	151	82	329
	10. No Water:	21	34	54	26	24	159	32	15	61
	11. Online/Phone App Help:	29	26	37	26	40	158	32	27	109
	12. Pay by Phone:	118	92	106	81	102	499	100	89	356
	13. Pay Plan:	63	41	36	40	37	217	43	33	131
	14. Restore Non-payment:	3	30	17	30	34	114	23	0	0
	15. Secure/Unsecure Valve:	2	10	18	12	11	53	11	13	51
	16. Voice Mail:	151	48	68	45	92	404	81	27	106
	17. Water leak:	7	17	5	8	15	52	10	10	40
<b>Bill Dispute &amp; Resolution Activities:</b>										
i.	Dispute Resolution:									
	1. Number of disputed accounts resolved:	6	5	7	14	4	36	7	11	43
	2. Number of disputed accounts under review:	1608	1633	1640	1653	1691		1645	1585	
<b>Data Entry of Completed Field work in CIS:</b>										
i.	Document Control:									
	1. Number of field activities posted:	95	20	145	333	309	902	180	352	1408
	2. Number of field activities pending:	294	578	726	619	637	2854	571	227	907
<b>Field Response Activities:</b>										
I.	Number of field activities assigned:	331	261	210	203	314	1319	264	229	916
II.	Number of field activities completed:	345	304	293	226	327	1495	299	266	1064
III.	Number of field activities pending field action:	3	2	1	2	2	10	2	3	13

GWA Work Session - July 20, 2021 - DIVISION REPORTS

GWA Utility Services Division  
 Monthly Status Report  
 Month ending JUNE 2021

FY2021		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	JUNE 2021 MONTHLY TOTAL	WEEKLY AVERAGE JUNE 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		06/05/21	06/12/21	06/19/21	06/26/21	07/03/21			WEEKLY AVERAGE MAY 2021	MAY 2021 MONTHLY TOTAL
<b>Meter Reading Activities:</b>										
I.	Number of meters read:									
A.	Electronically Read Meters:	10440	8544	14164	6972	2737	42857	8571	10014	40054
B.	Manually Read Meters:	31	28	15	25	15	114	23	25	100
i.	Unread meters (Meters scheduled but not read):	10	3	17	16	4	50	10	11	42
ii.	Number of data logs received:	34	16	17	28	14	109	22	22	86
iii.	Number of data logs retrieved:	16	40	19	30	15	120	24	21	83
iv.	Number of data logs pending field action:	0	0	0	0	0	0	0	0	0
v.	Communication Errors/Reprogramming requests:	0	0	0	0	0	0	0	0	1
vi.	Number of estimated readings (for the week):	410	289	199	394	30	1322	264	266	1064
vii.	Reasons for Estimations:									
1.	Cant locate meter:	3	0	0	0	1	4	1	1	5
2.	Temporary Obstruction:	2	0	0	0	0	2	0	1	3
3.	Vicious Dog:	0	0	0	0	0	0	0	0	1
4.	Flooded meter:	0	0	0	0	0	0	0	1	4
5.	Corrective action to database requested:	4	3	3	6	2	18	4	0	0
6.	Possible changed out meter:	6	3	3	13	3	28	6	5	18
7.	Communication/Programming error (code 92's):	0	1	1	0	0	2	0	0	1
8.	Other:									
a.	Leads detected on customer's private line:	1509	1331	2411	971	329	6551	1310	1586	6344
b.	Reverse Flow Detected:	368	275	155	353	17	1168	234	235	941
c.	No Usage Detected:	345	251	317	305	144	1362	272	329	1314
d.	Tamper Code:	15	3	5	2	2	27	5	6	25
C.	Electronic Read Percentage:	99.70%	99.67%	99.89%	99.64%	99.45%		99.7%	99.7%	
<b>Illegal Connection &amp; Unauthorized Use of Water Activities:</b>										
I.	Number of Inactive Still Consuming Reports rec'd & investigated:	0	0	1	1	0	2	0	0	1
II.	Number of Illegal Connection reports rec'd & investigated:	2	1	1	2	1	7	1	1	3



## **Engineering Monthly Report July 2021**

**Prepared By:**

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

## Table of Contents

Section, Description	Page
<a href="#">A. Summary Table of 2010, 2013, 2016 and 2020 Bonds</a>	3
<a href="#">B. Projects Procurement</a>	6
<a href="#">C. CIP Water Section</a>	9
<a href="#">D. CIP Wastewater Section</a>	21
<a href="#">E. CIP Engineering Support</a>	23
<a href="#">F. GIS Section</a>	23
<a href="#">G. Permits Section</a>	25
<a href="#">H. USEPA SRF Project Status Report</a>	27

## 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	15.74%	84.26%
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	69.89%	30.11%	\$ 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	Aqana 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 Piti Pipe Rehabilitation/Replacement				\$ 940,000.00	0.00%	100.00%
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement				\$ 657,000.00	0.00%	100.00%
MP-WW-Pipe-05	Aqana 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	Mamajano 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	Finle 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	\$ 500,000.00	71.90%	28.10%	\$ -	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%
		\$ 4,431,284.00			\$ 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	\$ 4,431,284	\$ 7,650,000
	<b>\$ 142,781,409</b>	<b>\$ 123,500,000</b>

Bond Fund	Construction Fund Amount (\$M)	Estimated # of months fund available for use	Total Funds encumbered to date (\$M)***	% of fund used	Rate of Spending: (\$M) per year
2005	\$82.930	82**	\$82.930	100.00%	12.14
2010	\$87.889	125**	\$84.394	96.23%	8.10
2013	\$140.819	87**	\$136.891	97.21%	18.88
2016	\$142.781	87**	\$132.195	92.59%	27.83
2020	\$123.590	12**	\$1.148	0.93%	1.15

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

\*\* Includes month of June 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> OEA GRANT	<b>Northern Guam Lens Aquifer (NGLA) Monitoring System Expansion Project for the Guam Water and Wastewater Infrastructure Improvements Program (Re-Bid)</b>	
100% Complete	<b>Activities/Notes:</b> Contract approved by the GM on 06/18/2021.	

Project Description:	Work to be performed under this project consist of installation of seven new monitoring wells and rehabilitation for two existing monitoring wells on Department of Defense (DoD) property.
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<b><u>BID PACKAGE</u></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
<b>89%</b> 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>Cost is being negotiated with contractor to prep tank for re-inspection.</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.	<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.</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> Designer submitted a letter to NPS to coordinate the archaeological survey requirements with SHPO. <b>Designer submitted SHPO Letter to NPS for review on 05/29/2021; response pending</b></p> <p>Biological survey <b>permit from NPS issued on 01/22/2021.</b></p> <p>Biological survey was done 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 <b>received on 06/4/2021. Final report to NPS sent on 06/12/2021.</b> HDR to try and get NPS to officially initiate environmental assessment.</p> <p><b>Environmental Consultation request sent to DOAG and GEPA on 03/15/2021 by Designer; response pending. Sent GWA signed follow-up letter to DOAG and GEPA on 06/22/2021.</b></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>	

<b>CONSTRUCTION</b> PW 09-11, PW 12-05	<b>Yigo/Astumbo Tank Construction (Pernix)</b>	<b>Start Date:</b> December 1, 2016
99% 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 <b>processed</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>CONSTRUCTION MANAGEMENT</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. <b>To date, GWA has not received close out documents from the CM.</b>	<b>Completion Date:</b> August 2019
N/A	Construction Management services	
Project Description:	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>CONSTRUCTION MANAGEMENT</b> PW 12-04, PW 12-06 AND PW 09-11	<b>Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction Management (TG Engineers, PC)</b>	<b>Start Date:</b> December 2017
95% complete	<b>Activities/Notes:</b> As of 01/01/2021, GWA Water CIP Engineering will take over CM duties for remaining work. CM will be onboard for limited services – Eadoc project software management and conducting meetings/meeting minutes.  <b>GWA and TGE working on Change Order no. 2 to close out CM services.</b>	<b>Completion Date:</b> March 2021
N/A	Construction Management services	

Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.
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<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. <b>Booster pump skid arrived. Contractor is actively working on installing the pump skid and associated equipment.</b></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><b>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</b></p>	<p><b>Completion Date:</b> TBD (Completion date has passed. Pending time extension for permit delays.)</p>

	<p>changeout and disconnection of wells at Spring Lane.</p> <p>Barrigada No. 2 DN Tanks completed internal repairs.</p> <p>Negotiating scope and cost with Contractor to repair internal pipe coating.</p> <p>Construction Services</p>	
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 27.3% Complete	<b>Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)</b> <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>Start Date:</b> April 2018  <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 9.6% Complete	<b>Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction (AIC)</b> <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.  Sinifa: New tank foundation preparation and retaining wall work ongoing.	<b>Start Date:</b> October 2019  <b>Completion Date:</b> Santa Rosa Final Completion – February 13, 2022  Santa Rita Final Completion – March 15, 2022  Sinifa Final Completion – January 14, 2022
	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.	
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<b>CONSTRUCTION</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 Rv. 1 for additive bid items, Terao and Maimai was returned and revised to include cost escalation and time/permit delays due to COVID-19. CO no. 1 Rv. 2 pending on SMCC's approval of the nature of changes. PRV's Outage for Carnation (PRV 15) is scheduled to occur next week pending Ops.	<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>DESIGN</b> PW 05-12	<b>Pressure Zone Realignment and Tank Repair-Replacement (GHD)</b>	<b>Start Date:</b> August 2018
Design will be done in Phases.  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>23.7% Complete</b>	<p><b>Activities/Notes:</b> Construction contract effective 04/21/2020. NTP issued 05/01/2020 with modified language for work starting onsite.</p> <p>Agat-Umatat interior metal repair completed. Anchor bolts installed. Interior sandblasting for recoating is underway. <b>Lead paint abatement underway for portions of tank exterior.</b></p> <p>Contractor has completed coating of Yigo no. 3 tank exterior. Interior coating is underway. <b>Additional repair work is needed on roof purlins.</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 Winward permits to begin repair. <b>Permit is with GEPA as of 07/14/2021.</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. <b>Bypass may be tested without contractor's completion of the bypass. Awaiting GWA operations scheduling.</b></p> <p>Ladda PSRV installed.</p> <p>Malojloj bypass work ongoing. Valving will need to be adjusted due to shallow pipes encountered. <b>Awaiting materials.</b></p> <p>Gues and Togan bypass work is underway with submittals. Geus building demolished. <b>Booster pump skids have arrived. Contractor to begin work.</b></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
30% Complete	<b>Activities/Notes:</b> A total of 19 FH was installed out of 72. Contractor is continuously doing the FH replacement work in Dededo Area. COP no. 2 was returned to contractor for revision with the following questions from Mo:  1. To use EJCDC\C-990 construction\C-620 Contractors Application for Payment Application.  2. Some of the hydrants were installed with exposed breakaway flanges. They are supposed to be flushed to the ground, per detail. There should be a record explaining deviations from the details.  3. Mega is charging for concrete. There are no concrete pads in the pictures. Please confirm.  4. Pending Change Order no.2 regarding Asbestos charges \$1,000.00 per fire hydrant.  Answers to Item nos. 1 to 3 will be resolved awaiting Mega United's response. Item no. 4 is pending, quantity of existing fire hydrant with asbestos pipes are undetermined.	<b>Completion Date:</b> October 25, 2020
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
71.09% 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, and A-13. To date, 22 wells were completed and 8 more wells to go. 5 of the remaining 8 wells will require extension of the above ground discharge piping</p> <p>A change order in the amount of \$42,202.16 for the extension of discharge piping is awaiting approval (D-01, M-02, A-04, AG-01, and AG-02). Once approved the contract completion date will be extended up to 10/27/2021.</p> <p>The other 3 wells have issues with either the isolation valve or low level in the supply tank delaying the Contractor's work.</p> <p>The Contractor submitted the first billing for \$473,157.00 after a year of work.</p> <p>A change order to award Additive Bid no. 1 for additional 15 wells is in process.</p>	<b>Completion Date:</b> July 25, 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
10.7% Complete	<p><b>Activities/Notes:</b> The 90% design submittal was received on 06/29/2021. The submittal was reviewed and comments sent to the Contractor the following day.</p> <p>The 100% design drawings submittal is expected second week of July.</p> <p>Materials are expected to arrive first to second week of July 2021.</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.
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<b>CONSTRUCTION</b> PW 09-03 MP-PW-PIPE 12	<b>Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement</b>	
6% Complete	<b>Activities/Notes:</b> Securing building permit. Waiting for off-island materials.	
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>
24% Construction Services	<b>Activities/Notes:</b> Mechanical piping layout at the ground floor on going.  Continuous review of submittal, shop drawings, and RFIs.  Change Order no. 01 forwarded to finance for processing.  Payment application no. 01 on process.	<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> <b>May 3, 2021</b>
0% Complete	<b>Activities/Notes:</b>  Site visit attended Contractor and CM on 06/4/2021.  Contractor submits RFI nos. 1 and 2 on 06/4/2021.  Kick-off/Coordination meeting held on 06/09/2021.  Design progress meetings reduced from weekly to bi-weekly.  EOR submitted plans with updated stamps.  Contractor working on permits.	<b>Completion Date:</b> <b>May 29, 2022</b>
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> <b>May 3, 2021</b>
0% Complete	<b>Activities/Notes:</b> <b>ID/IQ PM CM Task Order no. 4 contract with DCA approved and effective as of 06/17/2021.</b>	<b>Completion Date:</b> <b>May 29, 2022</b>
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. <b>Scoping details discussed.</b>	<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	
Project Description:	The work performed under this project procurement shall consist of a professional land surveyor conducting field work to mark corners of existing government properties as a means of severing out portions of the larger property to be deeded to GWA. Surveyor shall also prepare all necessary maps and documents for recording at DLM.	

**G. Permits Section**PERMITS  
MONTHLY REPORT 2021

Description	2021												TOTAL
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Building Permit	26	24	24	19	42	38							173
Occupancy Permit	11	11	11	18	8	3							62
New Installation	19	30	31	29	5	9							123
Sewer Application	0	4	4	6	0	1							15
Sewer Inspection	0	0	1	1	0	0							2
Private Utility Acceptance	0	1	1	0	0	1							3
Relocation of Water Meter	2	1	2	0	0	0							5
Tapping-Water	1	1	1	2	1	1							7
Tapping-Sewer	1	0	1	1	0	0							3
Clearance-Water	25	50	51	45	22	50							243
Clearance-Sewer	1	0	0	1	0	0							2
Highway Encroachment	9	13	13	19	5	23							82
Verification of Utilities	14	12	12	19	13	11							81
Fire Flow Test	1	0	2	0	0	0							3
Schedule Water Outage	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 **JUNE** 2021

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

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


## **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 - July 20, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 07/15/2021
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.  CIPP of Asan River crossing done.  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.  Allied crew working on interior point repairs for final segement to be CIPP. Punch list for completed segments being compiled for Allied to complete a few minor deficiencies before they de-mobilize and leave island.  CM evaluating claims from Contractor.
			Construction (Phase II)				\$ 8,742,000.00	CoreTech/Hawaiian Dredging	Contractor working on getting permits. Obtained SHPO approval.  Two payments for Mob/Demob and bypass equipment purchase approved.  CO no. 1 [Deductive] for GWA pipe lease approved.  CO no. 2 signed by CoreTech and sent to GWA for signature  CCTV inspection and initial cleaning completed 07/07/2021. Next steps are to design the liner, get approval of designs, order materials, then install. Lead time for material is about a month.  RFI currently under review, submitted 07/14/2021. Line from MH849 to MH17 was not found and contractor inquiring about purpose of Line C since there is a line between MH849 and MH355.
			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.

GWA Work Session - July 20, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 07/15/2021
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.  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.

GWA Work Session - July 20, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 07/15/2021
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><b>Santa Rita</b></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>Underground Solutions (Fusible PVC Specialists) arrived on Guam June 23 and completed the pipe fusing.</li> <li>Forcemain pipe is laid into trench                                     <ul style="list-style-type: none"> <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 will be hydrostatic tested.</li> <li>Forcemain expected to be completed and backfilled by 7/23/21.</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                                     <ul style="list-style-type: none"> <li>Road has been restored.</li> </ul> </li> <li>Wet well on site.</li> <li>GWA inspection and cleaning of receiving gravity sewer lines along Pale Ferdinand.</li> </ul> </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 replaced pipe between MH 620 to MH 620A on 06/03-04/2021.</li> <li>Contractor removed ACP pipe between MH 620A and MH 618 on 06/08/2021; replaced most of sewer pipe on 06/11/2021.</li> <li>MH618 undergoing flooding issues on 06/09/2021.</li> <li>Contractor replaced most of sewer pipe between MH 620A and MH 618 on 06/10/2021; started backfilling trench on 06/11/2021.</li> <li>GWA to address leaking water lateral crossing excavation trench near MH620A while still exposed.</li> </ul>
			CM	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).

GWA Work Session - July 20, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 07/15/2021
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 recieved 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 management 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>CO #1 (Additive Bid) &amp; CO #2 (Time Extension) - Pending.</li> <li>5 of 9 sites work in progress (Ysengsong, Clara, Kaiser, Okkodo, and Carnation). Pending sites Maimai, Yigo Reservoir, Astumbo Reservoir, Terao PRV.</li> </ul>
			CM		6/15/2019	6/30/2020			
23	Project Advertisement	Engineering/Procurement	MISC	1			\$ 25,172.50	PDN/Post	On-going
24	Dungca Beach Sewer Improvements	GWA CIP Engr	Design						<ul style="list-style-type: none"> <li>Bi-weekly meeting in progress.</li> <li>Project schedule submitted for review.</li> <li>Waiting for Project Management Plan.</li> <li>Assessment to occur with in next 4 weeks.</li> <li>Site survey to start , identify location of existing sewer manhole, surface, and underground utilities .</li> </ul>

GWA Work Session - July 20, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 07/15/2021
25	Hagatna Sewer Pump Station Force Main	GWA CIP Engr	Design						<ul style="list-style-type: none"> <li>Kick-off meeting held on 05/19/2021.</li> <li>NEPA documents are still in progress. SHPO requires an Archaeological Monitoring Plan.</li> </ul>
26	Fujita Sewer Pump Station Force Main	GWA CIP Engr	Design						Awaiting revised cost proposal from AECOM
27	2021 Well Rehab (A- 28, M-14, D-15 & F- 7)	GWA CIP Engr	Design						Draft RFP with Chief Engineer for review. Project is to be assigned to J Mendiola.

\$ 71,123,861.14



## Financial Statement Overview June 2021

There were 201 COVID-19 positive tests and 1 COVID-related fatality reported during the month of June. Executive Order 2021-15 extended the public health emergency to July 31, 2021. The Island remains in PCOR 3.

On June 30, 2021, the island's CAR score was at .8 and mass testing was available to the public at no charge at various locations throughout the island.

By the end of June, Guam had received 233,450 vaccines, 174,321 or 74.67% were administered, and 95,701 persons fully immunized. The 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. The National Guard also scheduled vaccination clinics for GPWA employees in June and July at locations convenient to employees.

Despite the pandemic, about a third of payments continue to be made in person. 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 permitting, 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 and related fees exceeding the limit.

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
<b>May – September 2020</b>	140	\$241,335	\$4,952	2.05%
<b>October – December 2020</b>	100	\$194,764	\$3,916	2.01%
<b>January – March 2021</b>	122	\$272,887	\$5,487	2.01%
<b>April 2021</b>	55	\$133,520	\$2,685	2.01%
<b>May 2021</b>	47	\$100,473	\$2,020	2.01%
<b>June 2021</b>	48	\$99,375	\$1,998	2.01%

Compared to last year, water consumption is down 3% and wastewater flows are down 7% month of June. Water consumption fell in most classes for the month except for Commercial 1-3 classes and GovGuam. Wastewater flows for most classes increased except for Commercial 1, Federal and residential accounts.

Both Year to Date (YTD) water and wastewater demand were 7% lower than last year. Although residential water demand is up by 2% and Federal Government water demand is up by 51% and residential waste water flows are up 4%, it was not enough to offset reductions in the other customer classes. Note that the number of YTD billing days for 2021 is 4 days less than 2020.

YTD average daily water consumption for the period is down 6% from 15,897 to 14,948 kgals. YTD average daily water consumption for the residential class increased by 3%, from 9,885 to 10,210 kgals. The largest



drop in YTD average daily water consumption was in the hotel class, a 84% drop going from 2,263 to 1,229 kgals. While the average daily consumption drop for Golf Courses was 163%, this drop was 11 kgals, from 17 to 7 kgals.

Guam Department of Education is offering summer school at various school sites; the last school day for the 2020-2021 school year for public schools was May 24. The first day of school of the 2021-2022 school year is schedule to be August 12, 2021, with GDOE anticipating a return by a majority of students to the classroom with the CDC recommending a return to face-to-face classes. As likely, GCC and UOG will begin in person classes. See Schedule K for Water Demand for FY2015 to FY2021.

For the month of June, Finance posted \$47,658.79 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.

The National Guard is assisting the Governor meet her goal for Guam to reach herd immunity by July 21, 2021, through Operation Liberate Guam. Beginning May 15, all fully vaccinated (FDA emergency use COVID vaccines) incoming travelers will not be subject to quarantine at a government facility; travelers must self-monitor for COVID symptoms. It is anticipated that the Governor will move Guam to PCOR 4 on Liberation Day should the vaccine trends continue.

The Guam International Airport will be discounting fees to airlines as an incentive to get them to fly into Guam. Additionally, the airport plans to offer COVID-19 testing at the terminal for passengers who need to be tested before leaving the island. Vaccine related tourism for US citizens living in Asia and the Pacific will also be rolled out.

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, occurred on May 10. Staff training was scheduled through most of April for all GWA staff as timekeeping will be decentralized and employees will have to key in their time; payroll has been processed in the month of May without incident. The mobility application which will allow operations staff to enter time from the field on a real time basis has been delayed for 2-3 weeks.

Migration of data to the new system began in late April. As several paper-based processes will be automated, we hope to see efficiencies with the implementation of the new system. The June Financial Report is the second report generated from the new system.

The GWA updated financial plan and Rate Application Model (RAM) were delivered as required on May 1, 2021, to the PUC. Additionally, other study related excel models were also provided. A scheduling order was issued by the Administrative Law Judge (ALJ) on May 3, 2021. Virtual sessions were scheduled subsequent to the May filing on the RAM and the various stipulated studies submitted on March 31, 2021. The Navy



petitioned the PUC to intervene and become a party before PUC Docket 19-08 on May 18. GWA responded to the first set of Requests for Information from the Navy and the PUC Consultant in May and June, respectively. The PUC Consultant in June and the Navy in July filed a second set of Requests for Information. The ALJ proposes to issue a Report and Proposed Order by September 17, 2021.

### ***Balance Sheet***

- Total Assets & Deferred Outflows of Resources of \$1.152B in September 2020 increased by \$36M or 3% in June 2021 to \$1.188B. Current Assets decreased by \$2.8M primarily due to reductions in receivables and prepaid expenses. Property, Plant and Equipment increased by \$41.1M. Other Noncurrent Assets decreased by \$1.9M due to reductions in restricted cash offset by increases in investments. Cash on hand was calculated at 306 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$889.1M in September 2020 increased by \$1.98M or less than 1% to \$891M in June 2021 primarily due to reductions in contractors payable and unamortized bond premium offset by an increase in interest payable.
- Accounts Receivable days were 44 days in June, down by two days compared to May 2021. Accounts Payable days were 30 days in June and May 2021.

### ***Statement of Operations and Retained Earnings***

- Total Operating Revenues for June 2021 of \$8.6M were 10% or \$903K less than budget of \$9.5M and 1% or \$89K more than June 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 June 2021 of \$75.5M were 12% or \$9.8M below budget of \$85.3M and \$5.1M or 6% below Year-to-Date Operating Revenues in June 2020 of \$80.6M.
- 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 June as well as the revenue totals:

Customer Class	FY2021		FY2020	
o Residential	\$36,794,767	49.80%	\$34,562,511	43.48%
o Commercial	\$15,325,782	20.74%	\$15,957,401	20.08%
o Hotel	\$9,581,528	12.97%	\$16,723,727	21.04%
o Government of Guam	\$7,420,577	10.04%	\$7,192,059	9.05%
o Federal Government	\$4,336,544	5.87%	\$4,554,909	5.73%
o Agriculture, Golf Course, Irrigation	\$429,051	.58%	\$491,780	.62%

- Total Operating Expenses for June 2021 of \$7.1M were \$344K or 5% lower than budget of \$7.5M. Total Operating Expenses for June 2021 were 5% or \$341K more than June 2020's \$6.8M.
- Year to Date Operating Expenses in June 2021 of \$62.2M were \$5.0M or 7% lower than budget of \$67.2M. Year to Date Operating Expenses in June 2021 were \$4.2M or 6% less than last year's \$66.4M.



- Earnings from Operations for June 2021 of \$1.4M were 28% or \$559K less than the budget of \$2M and 15% or \$251K less than June 2020's \$1.7M. Change in Net Assets for June 2021 of \$8.9M was 218% or \$6.1M more than the \$2.8M budget and \$2.0M or 30% more than June 2020's \$6.8M.
- Year to Date Earnings from Operations as of June 2021 of \$13.3M were 27% or \$4.8M less than budget of \$18M and 7% or \$953K less than YTD Earnings of \$14.2M as of June 2020. Year to Date Change in Net Assets as of June 2021 of \$34.0M were \$8.9M or 35% more than budget of \$25.1M. Year to Date Change in Net Assets as of June 2021 were \$3.2M or 8% less than YTD as of June 2020 of \$37.2M mainly due to decreases in Federal Grant Contributions.

#### ***Key Financial Indicators***

<b>Indicator</b>	<b>Target</b>	<b>May 2021</b>	<b>June 2021</b>
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.35	1.34
• Per PUC / CCU	1.40	1.35	1.34
Days – Cash on Hand	120 days	274 days	306 days
Collection Ratio			
• Month to Date	99%	92%	108%
• Year to Date	99%	97%	98%
Days Billed	30 days	31 days	30 days
Account Receivable Days	30 days	46 days	44 days
Account Payable Days	45 days	30 days	30 days
Employee Count	400 FTE	362 FTE	361 FTE
Water Demand			
• Month to Date	478,754	470,639	455,272
• Year to Date	4,308,788	3,550,873	4,006,145
Wastewater Flow			
• Month to Date	356,472	335,234	315,154
• Year to Date	3,208,251	2,514,213	2,829,368
Water Customers	42,839	43,304	43,157
Wastewater Customers	29,805	29,995	29,998

**GUAM WATERWORKS AUTHORITY**  
**June 30, 2021**  
**FINANCIAL AND RELATED REPORTS**  
**TABLE OF CONTENTS**

	SCHEDULES	PAGE
BALANCE SHEET	A	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	B	3
INCOME STATEMENT MTD ACTUALS FY21 VS FY20	C	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY21 VS FY20	E	6
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	F	7
SCHEDULE OF CASH RESTRICTED/UNRESTRICTED	G	8
AGING REPORT - GOVERNMENT RECEIVABLES	H	9
AGING REPORT - RECEIVABLES BY RATE CLASS	I	10
AGING REPORT - ACCOUNTS PAYABLE	J	11
WATER DEMAND BY RATE CLASS FY2015 - FY2021	K	12

GWA Work Session - July 20, 2021 - DIVISION REPORTS

**GUAM WATERWORKS AUTHORITY**

**Balance Sheet  
June 30, 2021**

**SCHEDULE A**

<b>ASSETS AND DEFERRED OUTFLOWS of RESOURCES</b>	<b>Unaudited June 30, 2021</b>	<b>Audited September 30, 2020</b>	<b>Increase (Decrease)</b>
<b><u>Current Assets</u></b>			
Cash			
Unrestricted (Schedule G)	44,820,102	42,479,412	2,340,691
Restricted Funds (Schedule G)	31,585,214	30,072,502	1,512,712
Accounts Receivable Trade, Net of Allowance for Doubtful Recei of \$7,983,400 at June 30, 2021 and \$8,027,857 at Sep 30, 2020	11,372,430	12,562,296	(1,189,866)
Federal Receivable	4,704,984	8,168,373	(3,463,389)
Other Receivable	584,703	902,423	(317,720)
Prepaid Expenses	1,023,672	2,615,782	(1,592,109)
Materials & Supplies Inventory, Net of Allowance for Obsolescen of \$64,131 at June 30, 2021 and \$64,131 at Sep 30, 2020	4,705,730	4,804,466	(98,735)
<b>Total Current Assets</b>	<b>98,796,835</b>	<b>101,605,252</b>	<b>(2,808,417)</b>
<b><u>Property, Plant and Equipment</u></b>			
Utility plant in service			
Water system	403,662,194	378,498,710	25,163,485
Wastewater system	493,222,843	481,549,640	11,673,203
Non-utility property	26,312,973	25,752,939	560,033
<b>Total property</b>	<b>923,198,010</b>	<b>885,801,289</b>	<b>37,396,721</b>
Less: Accumulated Depreciation	(362,284,658)	(343,128,759)	(19,155,899)
Land	5,240,187	5,240,187	-
Construction Work in Progress	173,230,420	150,323,347	22,907,073
<b>Property, Plant and Equipment, net</b>	<b>739,383,960</b>	<b>698,236,064</b>	<b>41,147,896</b>
<b><u>Noncurrent assets</u></b>			
Restricted cash (Schedule G)	200,205,792	219,203,039	(18,997,247)
Investments (Schedule G)	83,746,084	66,616,997	17,129,088
<b>Total other noncurrent assets and deferred charges</b>	<b>283,951,876</b>	<b>285,820,035</b>	<b>(1,868,159)</b>
<b>Total Assets</b>	<b>1,122,132,672</b>	<b>1,085,661,352</b>	<b>36,471,319</b>
<b><u>Deferred outflows of resources</u></b>			
Regulatory Assets	1,533,529	430,962	1,102,567
Debt defeasance due to bond refunding	31,802,928	33,351,801	(1,548,873)
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>1,188,389,211</b>	<b>1,152,364,198</b>	<b>36,025,013</b>
<b><u>BILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS</u></b>			
<b><u>Current Liabilities</u></b>			
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	2,511,340	2,701,944	(190,604)
Accrued and Other Liabilities	1,570,852	1,238,863	331,989
Interest Payable	14,883,501	6,304,598	8,578,904
Accrued Payroll and Employee Benefits	779,611	354,780	424,831
Current portion of employee annual leave	572,761	572,761	-
Contractors' Payable	17,607,895	23,311,295	(5,703,400)
Customer and Other Deposits	1,945,688	2,199,462	(253,774)
<b>Total Current Liabilities</b>	<b>49,141,649</b>	<b>45,953,702</b>	<b>3,187,946</b>
<b><u>Long Term Debt, less current maturities</u></b>			
Series 2013 Revenue Bond	24,500,000	24,500,000	-
Series 2014 Refunding Bond	64,610,000	64,610,000	-
Series 2016 Revenue Bond	139,030,000	139,030,000	-
Series 2017 Refunding Bond	105,325,000	105,325,000	-
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	41,123,382	42,515,523	(1,392,141)
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>864,805,287</b>	<b>863,009,482</b>	<b>1,795,805</b>
<b><u>Deferred inflows of resources:</u></b>			
Contribution in Aid of Construction	247,230	67,608	179,622
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>891,078,846</b>	<b>889,103,419</b>	<b>1,975,427</b>
<b>Net Assets</b>	<b>297,310,365</b>	<b>263,260,778</b>	<b>34,049,587</b>
<b>Total Liabilities, Deferred Inflows of Resources and Net Assets</b>	<b>1,188,389,211</b>	<b>1,152,364,198</b>	<b>36,025,013</b>

GWA Work Session - July 20, 2021 - DIVISION REPORTS

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending June 30, 2021**

**SCHEDULE B**

	Month to Date		Variance
	Actual (Unaudited)	Budget*	Favorable /
	June-21	June-21	(Unfavorable)
<b>OPERATING REVENUES</b>			
Water Revenues	5,534,847	5,863,373	(328,526)
Wastewater Revenues	2,610,363	3,226,426	(616,063)
Legislative Surcharge	249,117	274,214	(25,097)
Other Revenues	38,351	35,895	2,457
System Development Charge	141,855	77,442	64,413
<b>Total Operating Revenues</b>	<b>8,574,534</b>	<b>9,477,350</b>	<b>(902,816)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	524,717	718,609	193,892
Power Purchases	1,062,114	1,082,131	20,018
Total Utility Costs	1,586,830	1,800,740	213,910
Salaries and Wages	1,570,878	1,769,221	198,343
Pension and Benefits	603,381	606,991	3,610
Total Salaries and Benefits	2,174,259	2,376,212	201,953
Capitalized Labor and Benefits	(302,527)	(308,333)	(5,806)
Net Salaries and Benefits	1,871,732	2,067,879	196,147
<b>Administrative and General Expenses</b>			
Sludge removal	89,595	94,907	5,312
Chemicals	98,151	99,696	1,544
Materials & Supplies	179,171	182,935	3,765
Transportation	6,691	10,198	3,507
Communications	14,407	14,528	122
Claims	-	5,181	5,181
Insurance	83,134	83,685	551
Training & Travel	15,690	16,321	631
Advertising	19,653	19,846	193
Miscellaneous	90,451	107,496	17,045
Regulatory Expense	164,419	164,655	236
Bad Debts Provision	167,887	168,113	227
Total Administrative and General Expense	929,248	967,561	38,313
<b>Depreciation Expense</b>	<b>2,142,179</b>	<b>1,855,919</b>	<b>(286,260)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	63,863	92,804	28,941
Building rental	41,373	41,452	79
Equipment rental	2,600	58,524	55,924
Legal	-	563	563
Laboratory	71,707	72,382	675
Other	156,078	230,774	74,696
Total Contractual Expense	335,621	496,500	160,878
Retiree Supp. Annuities and health care costs	210,492	233,386	22,893
Contribution to Government of Guam	50,333	48,546	(1,787)
Total Retiree Benefits	260,826	281,932	21,106
<b>Total Operating Expenses</b>	<b>7,126,436</b>	<b>7,470,530</b>	<b>344,094</b>
<b>Earnings (Loss) from Operations</b>	<b>1,448,098</b>	<b>2,006,820</b>	<b>(558,722)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	2,533	128,299	(125,766)
Interest Income - Other Funds	1,096	29,550	(28,455)
Interest Income - SDC	361	2,488	(2,126)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,480,584)	(2,638,329)	157,746
AFUDC	509,058	-	509,058
Amortization of Discount, Premium and Issuance Costs	156,349	(23,078)	179,427
Defeasance due to bond refunding	(172,097)	(22,439)	(149,658)
Total non-operating revenues (expenses)	(1,654,701)	(2,523,508)	868,807
<b>Net Income (Loss) before capital contributions</b>	<b>(206,603)</b>	<b>(516,688)</b>	<b>310,085</b>
<b>Capital Contributions</b>			
Grants from US Government	9,079,207	3,311,071	5,768,135
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	9,079,207	3,311,071	5,768,135
<b>Change in Net Assets</b>	<b>8,872,604</b>	<b>2,794,383</b>	<b>6,078,221</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,448,098	2,006,820	
System Development Charge	(141,855)	(77,442)	
Retiree COLA	50,333	48,546	
Interest/Investment Income	1,096	29,550	
Depreciation	2,142,179	1,855,919	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>3,499,851</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>1.34</b>	<b>1.40</b>	
<b>Debt Service Coverage (1.40X) inclusive of reserves (PUC)</b>	<b>1.34</b>	<b>1.40</b>	

\*Adjusted budget

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending June 30, 2021 and 2020**

**SCHEDULE C**

	Month to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	June-21	June-20	(Decrease)
<b>OPERATING REVENUES</b>			
Water Revenues	5,534,847	5,376,765	158,083
Wastewater Revenues	2,610,363	2,669,324	(58,961)
Legislative Surcharge	249,117	245,940	3,177
Other Revenues	38,351	41,787	(3,435)
System Development Charge	141,855	151,335	(9,480)
<b>Total Operating Revenues</b>	<b>8,574,534</b>	<b>8,485,150</b>	<b>89,383</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	524,717	578,822	(54,106)
Power Purchases	1,062,114	998,251	63,862
Total Utility Costs	1,586,830	1,577,073	9,757
Salaries and Wages	1,570,878	1,596,390	(25,513)
Pension and Benefits	603,381	545,768	57,613
Total Salaries and Benefits	2,174,259	2,142,159	32,100
Capitalized Labor and Benefits	(302,527)	(368,952)	66,425
Net Salaries and Benefits	1,871,732	1,773,206	98,525
<b>Administrative and General Expenses</b>			
Sludge removal	89,595	136,441	(46,846)
Chemicals	98,151	145,066	(46,914)
Materials & Supplies	179,171	134,924	44,247
Transportation	6,691	23,434	(16,743)
Communications	14,407	20,233	(5,826)
Insurance	83,134	79,910	3,224
Training & Travel	15,690	-	15,690
Advertising	19,653	5,157	14,496
Miscellaneous	90,451	92,267	(1,816)
Regulatory Expense	164,419	15,139	149,280
Bad Debts Provision	167,887	166,207	1,679
Total Administrative and General Expense	929,248	818,778	110,470
<b>Depreciation Expense</b>	<b>2,142,179</b>	<b>2,037,338</b>	<b>104,841</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	63,863	70,204	(6,341)
Building rental	41,373	37,588	3,785
Equipment rental	2,600	41,714	(39,114)
Laboratory	71,707	48,535	23,172
Other	156,078	120,719	35,359
Total Contractual Expense	335,621	318,760	16,862
Retiree Supp. Annuities and health care costs	210,492	210,238	254
Contribution to Government of Guam	50,333	50,333	0
Total Retiree Benefits	260,826	260,571	255
<b>Total Operating Expenses</b>	<b>7,126,436</b>	<b>6,785,726</b>	<b>340,710</b>
<b>Earnings (Loss) from Operations</b>	<b>1,448,098</b>	<b>1,699,424</b>	<b>(251,326)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	2,533	952	1,582
Interest Income - Other Funds	1,096	818	278
Interest Income - SDC	361	6,868	(6,507)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,480,584)	(2,619,599)	139,015
AFUDC	509,058	-	509,058
Amortization of Discount, Premium and Issuance Costs	156,349	(425,083)	581,432
Defeasance due to bond refunding	(172,097)	(68,976)	(103,121)
Prior Year Adjustment	328,583	-	328,583
Total non-operating revenues (expenses)	(1,654,701)	(3,105,020)	1,450,320
<b>Net Income (Loss) before capital contributions</b>	<b>(206,603)</b>	<b>(1,405,596)</b>	<b>1,198,993</b>
<b>Capital Contributions</b>			
Grants from US Government	9,079,207	8,241,649	837,558
Total Capital Contributions	9,079,207	8,241,649	837,558
<b>Change in Net Assets</b>	<b>8,872,604</b>	<b>6,836,053</b>	<b>2,036,551</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,448,098	1,699,424	
System Development Charge	(141,855)	(151,335)	
Retiree COLA	50,333	50,333	
Interest/Investment Income	1,096	818	
Depreciation	2,142,179	2,037,338	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>3,499,851</b>	<b>3,636,577</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>1.34</b>	<b>1.28</b>	
<b>Debt Service Coverage (1.40X) (PUC)</b>	<b>1.34</b>	<b>1.28</b>	

GWA Work Session - July 20, 2021 - DIVISION REPORTS

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending June 30, 2021**

**SCHEDULE D**

	<b>Year to Date</b>		<b>Variance</b>
	<b>Actual (Unaudited)</b>	<b>Budget*</b>	<b>Favorable /</b>
	<b>June-21</b>	<b>June-21</b>	<b>(Unfavorable)</b>
<b>OPERATING REVENUES</b>			
Water Revenues	48,441,382	52,770,359	(4,328,977)
Wastewater Revenues	23,269,146	29,037,831	(5,768,685)
Legislative Surcharge	2,177,732	2,467,928	(290,195)
Other Revenues	371,599	323,053	48,546
System Development Charge	1,209,059	696,978	512,081
<b>Total Operating Revenues</b>	<b>75,468,918</b>	<b>85,296,148</b>	<b>(9,827,230)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	4,800,984	6,467,480	1,666,496
Power Purchases	9,073,187	9,739,183	665,995
Total Utility Costs	<b>13,874,171</b>	<b>16,206,662</b>	<b>2,332,491</b>
Salaries and Wages	14,030,317	15,922,986	1,892,670
Pension and Benefits	5,354,090	5,462,922	108,831
Total Salaries and Benefits	19,384,407	21,385,908	2,001,501
Capitalized Labor and Benefits	(2,751,315)	(2,775,000)	(23,685)
Net Salaries and Benefits	<b>16,633,092</b>	<b>18,610,908</b>	<b>1,977,816</b>
<b>Administrative and General Expenses</b>			
Sludge removal	1,165,869	1,187,164	21,295
Chemicals	1,116,670	1,520,060	403,390
Materials & Supplies	1,127,534	1,498,318	370,784
Transportation	337,472	350,779	13,307
Communications	115,709	130,755	15,046
Claims	55,590	55,726	136
Insurance	709,777	710,168	391
Training & Travel	27,181	243,888	216,707
Advertising	60,790	102,114	41,324
Miscellaneous	867,673	885,065	17,392
Regulatory Expense	284,541	284,993	452
Bad Debts Provision	1,477,764	1,478,019	254
Total Administrative and General Expense	<b>7,346,571</b>	<b>8,447,048</b>	<b>1,100,477</b>
<b>Depreciation Expense</b>	<b>19,201,347</b>	<b>16,703,274</b>	<b>(2,498,073)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	877,943	878,136	193
Building rental	372,356	372,417	61
Equipment rental	183,775	745,468	561,693
Legal	-	5,064	5,064
Laboratory	226,335	318,441	92,105
Other	1,155,340	2,409,970	1,254,630
Total Contractual Expense	<b>2,815,750</b>	<b>4,729,496</b>	<b>1,913,746</b>
Retiree Supp. Annuities and health care costs	1,891,199	2,100,471	209,272
Contribution to Government of Guam	453,000	436,914	(16,086)
Total Retiree Benefits	<b>2,344,199</b>	<b>2,537,385</b>	<b>193,186</b>
<b>Total Operating Expenses</b>	<b>62,215,130</b>	<b>67,234,773</b>	<b>5,019,642</b>
<b>Earnings (Loss) from Operations</b>	<b>13,253,788</b>	<b>18,061,376</b>	<b>(4,807,588)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	21,846	1,154,695	(1,132,849)
Interest Income - Other Funds	9,042	265,954	(256,911)
Interest Income - SDC	11,626	22,388	(10,762)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(22,562,419)	(23,744,963)	1,182,543
Contributions from Federal Government	188,768	-	188,768
Federal Expenditures	(130,939)	-	(130,939)
Loss on Asset Disposal	28,991	-	28,991
AFUDC	4,577,040	-	4,577,040
Amortization of Discount, Premium and Issuance Costs	1,405,391	(207,698)	1,613,089
Defeasance due to bond refunding	(1,548,873)	(201,947)	(1,346,926)
Prior Year Adjustment	240,178	-	240,178
Total non-operating revenues (expenses)	<b>(17,759,350)</b>	<b>(22,711,571)</b>	<b>4,952,222</b>
<b>Net Income (Loss) before capital contributions</b>	<b>(4,505,562)</b>	<b>(4,650,196)</b>	<b>144,634</b>
<b>Capital Contributions</b>			
Grants from US Government	38,548,043	29,799,643	8,748,400
Grants from GovGuam & Others	7,106	-	7,106
Total Capital Contributions	<b>38,555,148</b>	<b>29,799,643</b>	<b>8,755,506</b>
<b>Change in Net Assets</b>	<b>34,049,587</b>	<b>25,149,447</b>	<b>8,900,140</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	13,253,788	18,061,376	
System Development Charge	(1,209,059)	(696,978)	
Retiree COLA	453,000	436,914	
Interest/Investment Income	9,042	265,954	
Depreciation	19,201,347	16,703,274	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>31,708,118</b>	<b>34,770,539</b>	
<b>Debt Service</b>			
Principal	6,952,500	6,952,500	
Interest	16,625,263	17,969,963	
<b>Total</b>	<b>23,577,763</b>	<b>24,922,463</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.34</b>	<b>1.40</b>	
<b>Debt Service Coverage (1.40X) inclusive of reserves (PUC)</b>	<b>1.34</b>	<b>1.40</b>	

\*Adjusted budget

GWA Work Session - July 20, 2021 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY  
Statement of Operations and Retained Earnings  
Comparative for the period ending June 30, 2021 and 2020

SCHEDULE E

	Year to Date Actual (Unaudited) June-21	Actual (Unaudited) June-20	Variance Increase / (Decrease)
<b>OPERATING REVENUES</b>			
Water Revenues	48,441,382	49,888,396	(1,447,015)
Wastewater Revenues	23,269,146	27,152,533	(3,883,387)
Legislative Surcharge	2,177,732	2,441,458	(263,726)
Other Revenues	371,599	533,550	(161,951)
System Development Charge	1,209,059	559,143	649,916
<b>Total Operating Revenues</b>	<b>75,468,918</b>	<b>80,575,080</b>	<b>(5,106,162)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	4,800,984	5,501,551	(700,567)
Power Purchases	9,073,187	11,124,966	(2,051,779)
Total Utility Costs	13,874,171	16,626,517	(2,752,346)
Salaries and Wages	14,030,317	15,332,666	(1,302,349)
Pension and Benefits	5,354,090	4,762,376	591,714
Total Salaries and Benefits	19,384,407	20,095,042	(710,635)
Capitalized Labor and Benefits	(2,751,315)	(2,701,012)	(50,303)
Net Salaries and Benefits	16,633,092	17,394,031	(760,939)
<b>Administrative and General Expenses</b>			
Sludge removal	1,165,869	1,143,124	22,745
Chemicals	1,116,670	1,596,897	(480,227)
Materials & Supplies	1,127,534	1,450,683	(323,149)
Transportation	337,472	409,583	(72,111)
Communications	115,709	114,999	710
Claims	55,590	105,354	(49,764)
Insurance	709,777	702,161	7,617
Training & Travel	27,181	142,539	(115,359)
Advertising	60,790	29,339	31,451
Miscellaneous	867,673	812,944	54,729
Regulatory Expense	284,541	259,655	24,886
Bad Debts Provision	1,477,764	1,590,167	(112,403)
Total Administrative and General Expense	7,346,571	8,357,445	(1,010,874)
<b>Depreciation Expense</b>	<b>19,201,347</b>	<b>18,288,400</b>	<b>912,947</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	877,943	507,810	370,133
Building rental	372,356	329,534	42,823
Equipment rental	183,775	674,140	(490,365)
Legal	-	28,477	(28,477)
Laboratory	226,335	159,089	67,247
Other	1,155,340	1,640,937	(485,597)
Total Contractual Expense	2,815,750	3,339,986	(524,236)
Retiree Supp. Annuities and health care costs	1,891,199	1,909,224	(18,025)
Contribution to Government of Guam	453,000	453,001	(1)
Total Retiree Benefits	2,344,199	2,362,225	(18,026)
<b>Total Operating Expenses</b>	<b>62,215,130</b>	<b>66,368,605</b>	<b>(4,153,474)</b>
<b>Earnings (Loss) from Operations</b>	<b>13,253,788</b>	<b>14,206,476</b>	<b>(952,688)</b>
Interest Income - 2010/13/14/16/17/20 Series Bond	21,846	963,286	(941,440)
Interest Income - Other Funds	9,042	271,192	(262,150)
Interest Income - SDC	11,626	84,485	(72,860)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(22,562,419)	(19,556,391)	(3,006,029)
Interest Expense - ST BOG	-	(38,188)	38,188
Contributions from Federal Government	188,768	-	188,768
Federal Expenditures	(130,939)	-	(130,939)
Loss on Asset Disposal	28,991	(254,364)	283,355
AFUDC	4,577,040	-	4,577,040
Amortization of Discount, Premium and Issuance Costs	1,405,391	534,675	870,716
Defeasance due to bond refunding	(1,548,873)	(620,780)	(928,093)
Prior Year Adjustment	240,178	(69,901)	310,078
Total non-operating revenues (expenses)	(17,759,350)	(18,685,984)	926,635
<b>Net Income (Loss) before capital contributions</b>	<b>(4,505,562)</b>	<b>(4,479,509)</b>	<b>(26,053)</b>
<b>Capital Contributions</b>			
Grants from US Government	38,548,043	41,666,579	(3,118,536)
Grants from GovGuam & Others	7,106	14,250	(7,145)
Total Capital Contributions	38,555,148	41,680,829	(3,125,680)
<b>Change in Net Assets</b>	<b>34,049,587</b>	<b>37,201,320</b>	<b>(3,151,734)</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	13,253,788	14,206,476	
System Development Charge	(1,209,059)	(559,143)	
Retiree COLA	453,000	453,001	
Interest/Investment Income	9,042	271,192	
Depreciation	19,201,347	18,288,400	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>31,708,118</b>	<b>32,659,926</b>	
<b>Debt Service</b>			
Principal	6,952,500	6,577,500	
Interest	16,625,263	19,053,891	
<b>Total</b>	<b>23,577,763</b>	<b>25,631,391</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.34</b>	<b>1.27</b>	
<b>Debt Service Coverage (1.40X) (PUC)</b>	<b>1.34</b>	<b>1.27</b>	

**Guam Waterworks Authority**  
**System Development Charges Project Status**  
**As of June 30, 2021**

**SCHEDULE F**

**Funding Summary**

Total available project funds	\$ 14,401,581
Total project expenditures and encumbrances	10,390,541
Total unobligated project funds	<b>\$ 4,011,040</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	361,021	5,061,578	5,422,599
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>\$ 4,848,369</b>	<b>\$ 5,542,172</b>	<b>\$ 10,390,541</b>

**Future planned projects**

	<b>FY2021</b>
Water Wells	1,000,000
Water Dist Sys Pipe Replacement & Upgrades	1,500,000
	<b>\$ 2,500,000</b>

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

**SCHEDULE G**

Description	Unaudited June 30, 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	10,123,066	5,561,165	4,561,902
BOG O & M Reserve	25,261,641	25,689,390	(427,750)
BOG CapEx Fund	9,428,966	11,222,407	(1,793,441)
<b>Sub-total Unrestricted</b>	<b>44,820,102</b>	<b>42,479,412</b>	<b>2,340,691</b>
<b>RESTRICTED</b>			
ANZ Bank	1,084	-	1,084
Bank Pacific	11,596	29,243	(17,647)
Bank of Hawaii	215,056	191,250	23,806
Community First FCU	2,934	1,976	959
First Hawaiian Bank	30,055	43,451	(13,395)
Bank Pacific Surcharge	1,489,683	420,680	1,069,003
Bank Pacific Escrow Deposit	921,655	842,331	79,324
BOG Customer Refunds	2,108,894	2,063,361	45,533
BOG Emergency Reserve Fund	6,245	6,243	-
BOG Sewer Hookup Revolving Fund	60,222	67,809	(7,587)
BOG Operation and Maintenance Fund	7,674,021	3,083,482	4,590,540
BOG Revenue Trust	787,314	254,619	532,694
BOG Revenue Trust Fund	2,695,117	7,929,291	(5,234,174)
BOG Capital Improvement Revenue Fund	5,759,145	5,361,363	397,782
	<b>21,763,022</b>	<b>20,295,100</b>	<b>1,467,921</b>
BOG - SDC Deposit	5,322,191	3,527,401	1,794,790
BOG - SDC CDs	4,500,000	6,250,000	(1,750,000)
<b>Total SDC</b>	<b>9,822,191</b>	<b>9,777,401</b>	<b>44,790</b>
<b>Total Restricted</b>	<b>31,585,214</b>	<b>30,072,502</b>	<b>1,512,711</b>
<b>Reserve Funds</b>			
BOG Series 2013 Construction Fund	5,249,522	8,647,934	(3,398,412)
BOG Series 2014 Refunding Construction Fund	219,127	219,099	28
BOG Series 2016 Construction Fund	61,038,169	68,518,206	(7,480,037)
BOG Series 2017 Refunding Construction Fund	5,393,972	6,206,732	(812,759)
BOG Series 2020A Construction Fund	122,720,590	-	122,720,590
BOG Series 2020A Capitalized Interest Fund	5,584,413	123,277,054	(117,692,641)
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>200,205,792</b>	<b>219,203,039</b>	<b>(18,997,247)</b>
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	3,878,022	1,810,544	2,067,478
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	2,260,186	1,048,374	1,211,812
USB Series 2014 Refunding Debt Service Reserve Fund	7,736,215	7,735,395	820
USB Series 2016 Debt Service Fund	7,497,186	2,815,863	4,681,324
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,557	31,556	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	4,774,395	1,902,205	2,872,190
USB Series 2020A Debt Service Fund	3,350,000	-	3,350,000
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	2,945,462	-	2,945,462
<b>Total Investments</b>	<b>83,746,084</b>	<b>66,616,997</b>	<b>17,129,086</b>
<b>Total Restricted and Unrestricted Cash</b>	<b>360,357,193</b>	<b>358,371,949</b>	<b>1,985,241</b>

GWA Work Session - July 20, 2021 - DIVISION REPORTS

Guam Waterworks Authority  
Accounts Receivable - Government (Active)  
June 30, 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	\$ 15,130	\$ 17,293	\$ 20,769	\$ 7,227	\$ 236,826	\$ 297,245		
Guam Power Authority	25	192,515	5,873	-	-	-	198,388		
Guam Memorial Hospital Authority	3	38,968	44,450	150	150	13,555	97,274		
Guam Housing & Urban Renewal Authority	9	9,840	389	611	1,573	-	12,414		
Port Authority of Guam	5	1,450	-	-	-	-	1,450		
Guam Visitors Bureau	1	281	-	-	-	-	281		
Guam Housing Corporation	1	42	-	-	-	-	42		
<b>Total Autonomous Agencies</b>	<b>51</b>	<b>\$ 258,226</b>	<b>\$ 68,005</b>	<b>\$ 21,530</b>	<b>\$ 8,950</b>	<b>\$ 250,381</b>	<b>\$ 607,093</b>		
		<b>42.53%</b>	<b>11.20%</b>	<b>3.55%</b>	<b>1.47%</b>	<b>41.24%</b>	<b>100.00%</b>		
<b>Line Agencies</b>									
Department of Education	52	\$ 270,925	\$ 339,001	\$ 76,742	\$ -	\$ -	\$ 686,668		
Mayors Council of Guam	61	9,370	5,124	2,925	1,428	95,365	114,212		
Department of Parks & Recreation	14	38,114	35,255	19,496	3,585	3,446	99,896		
Department of Corrections	8	66,427	29,397	-	-	-	95,824		
Department of Public Works	12	24,441	2,036	90	142	6,977	33,686		
Guam Police Department	8	2,359	5,698	4,997	1,338	1,898	16,290		
University of Guam	46	14,201	-	-	-	-	14,201		
Department of Chamorro Affairs	7	-	12,235	-	-	-	12,235		
Guam Fire Department	11	7,406	-	-	-	-	7,406		
Guam Veterans Affairs Office	2	1,350	2,190	1,817	243	253	5,853		
Department of Public Health & Social Services	8	2,559	1,700	673	58	848	5,838		
Department of Agriculture	6	5,068	0	-	-	-	5,068		
Guam Solid Waste Authority	2	3,526	-	-	-	-	3,526		
Office of Technology	1	-	117	3,146	-	-	3,263		
Department of Military Affairs/GUARNG	1	2,644	-	-	-	-	2,644		
Sanctuary Inc	1	2,055	-	-	-	-	2,055		
New Guam Mental Health	1	1,546	-	-	-	-	1,546		
Department of Youth Affairs	3	1,134	-	-	-	-	1,134		
Division of Senior Citizens, DPH&SS	2	407	265	229	26	-	927		
Office of Civil Defense	2	-	614	-	-	-	614		
Department of Mental Health	2	398	-	-	-	-	398		
Department of Customs & Quarantine	1	-	389	-	-	-	389		
Guam Police Department	2	-	216	48	-	-	264		
Guam Energy Office	1	217	-	-	-	-	217		
Guam Public Library	6	176	-	-	-	-	176		
Department of Administration	3	176	-	-	-	-	176		
The Office of the Dededo Mayor	1	129	-	-	-	-	129		
Merizo Mayor	1	48	39	-	-	-	88		
Agat Mayor's Office	1	53	-	-	-	-	53		
Vietnam Veterans of America	1	34	-	-	-	-	34		
							-		
<b>Total Line Agencies</b>	<b>266</b>	<b>\$ 454,729</b>	<b>\$ 434,275</b>	<b>\$ 110,164</b>	<b>\$ 6,819</b>	<b>\$ 108,787</b>	<b>\$ 1,114,809</b>		
		<b>40.79%</b>	<b>38.96%</b>	<b>9.88%</b>	<b>0.61%</b>	<b>9.76%</b>	<b>100.00%</b>		
<b>Total as of June 30, 2021 (Active)</b>	<b>317</b>	<b>\$ 712,955</b>	<b>\$ 502,280</b>	<b>\$ 131,694</b>	<b>\$ 15,770</b>	<b>\$ 359,169</b>	<b>\$ 1,721,902</b>		
		<b>41.41%</b>	<b>29.17%</b>	<b>7.65%</b>	<b>0.92%</b>	<b>20.86%</b>	<b>100.00%</b>		

GWA Work Session - July 20, 2021 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY  
Accounts Receivable Aging Summary by Rate Class  
As of June 30, 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	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							44		

As of May 31, 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	\$ 1,928,093	\$ 425,785	\$ 194,110	\$ 16,660	\$ 439,380	\$ 3,004,028	15%	
Agriculture	400	42,750	9,310	4,511	2,973	32,274	91,818	0%	
Commercial I	2,608	1,442,467	188,784	64,142	39,789	394,499	2,129,681	11%	
Commercial II	33	119,361	-	-	-	-	119,361	1%	
Commercial III	296	465,359	76,273	72,454	58,422	289,455	961,963	5%	
Golf Course	16	2,880	187	-	-	-	3,067	0%	
Hotel	58	1,223,450	159,921	156,333	126,140	789,844	2,455,688	12%	
Irrigation	33	3,665	404	438	319	1,682	6,507	0%	
Residential	47,507	4,366,614	800,825	572,943	423,841	5,272,712	11,436,933	57%	
	<b>51,382</b>	<b>9,594,637</b>	<b>1,661,488</b>	<b>1,064,931</b>	<b>668,144</b>	<b>7,219,846</b>	<b>20,209,045</b>	<b>100%</b>	
		47%	8%	5%	3%	36%			
Less Allowance for Doubtful Accounts:							(7,815,513)		
Net Accounts Receivable:							<b>12,393,532</b>		
Days Receivables Outstanding							46		

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	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>		

As of May 31, 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	\$ 1,928,093	\$ 425,785	\$ 194,110	\$ 16,660	\$ 439,380	\$ 3,004,028	18%	
Agriculture	387	42,750	8,888	4,511	2,973	9,889	69,011	0%	
Commercial I	2,462	1,441,490	114,866	62,721	39,431	277,012	1,935,520	11%	
Commercial II	33	119,361	-	-	-	-	119,361	1%	
Commercial III	284	465,359	72,572	72,454	58,422	244,117	912,924	5%	
Golf Course	16	2,880	187	-	-	-	3,067	0%	
Hotel	56	1,223,450	159,921	156,333	126,140	665,534	2,331,377	14%	
Irrigation	32	3,665	404	438	319	387	5,212	0%	
Residential	40,059	4,247,771	714,474	526,869	396,493	2,698,041	8,583,648	51%	
	<b>43,760</b>	<b>9,474,818</b>	<b>1,497,097</b>	<b>1,017,435</b>	<b>640,438</b>	<b>4,334,360</b>	<b>16,964,147</b>	<b>100%</b>	
		56%	9%	6%	4%	26%			
Less Allowance for Doubtful Accounts:							(7,815,513)		
Net Accounts Receivable:							<b>9,148,634</b>		

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

**SCHEDULE J**

<u>As of</u>	<u>AGING</u>							<u>Days Payable Outstanding</u>
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days	Total		
<b>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 65%	\$ 361,067 14%	\$ 250,039 10%	\$ 40,791 2%	\$ 261,513 10%	\$ <b>2,591,775</b> <b>100%</b>		30
<b>April 30, 2021</b>	\$ 2,207,340 64%	\$ 84,617 2%	\$ 845,365 24%	\$ 14,114 0%	\$ 317,867 9%	\$ <b>3,469,304</b> <b>100%</b>		35

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%	3,648,630	-2%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	-1%	822,029	-9%	768,100	-7%
F Federal	1,168	1,180	2,508	1,813	1,602	-12%	1,338	-16%	1,956	46%
G Government	515,974	475,366	448,430	450,165	405,980	-10%	408,502	1%	399,778	-2%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	9%	714,161	-34%	439,142	-39%
G Golf	6,850	6,770	5,252	2,741	2,793	2%	5,835	109%	2,336	-60%
A Agriculture	67,376	78,628	69,482	81,127	90,803	12%	84,492	-7%	75,881	-10%
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>5,703</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>5,341,526</u>	-7%

GWA Work Session - July 20, 2021 - DIVISION REPORTS

Guam Waterworks Authority		Date: 6/25/2021	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	56	OVERALL AVERAGE	96%
TOTAL PUMPS OPERATIONAL	54	% OF OPERATING PUMPS	96%
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	Yago	30	3	3	100%	OP	A						
2	Gayinero	20	2	2	100%	OP	A						
3	Mataquac	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%	OP	A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
10	Adswag	1.5	1	1	100%	N/A							
11	Pale Kren	1	1	1	100%	N/A							
12	Uilola/Untalan	1	2	2	100%	OP	A						
13	Latte Heights	15	2	2	100%	OP	A						
<b>TOTAL = 13</b>			<b>26</b>	<b>25</b>	<b>96%</b>								

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	3	100%	OP	A						
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							
<b>Total=7</b>			<b>14</b>	<b>13</b>	<b>93%</b>								

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	2	2	100%	OP	A						
3	Piqua	7.5	2	2	100%	N/A							
4	Toguan	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						
<b>Total=7</b>			<b>16</b>	<b>16</b>	<b>100%</b>								

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

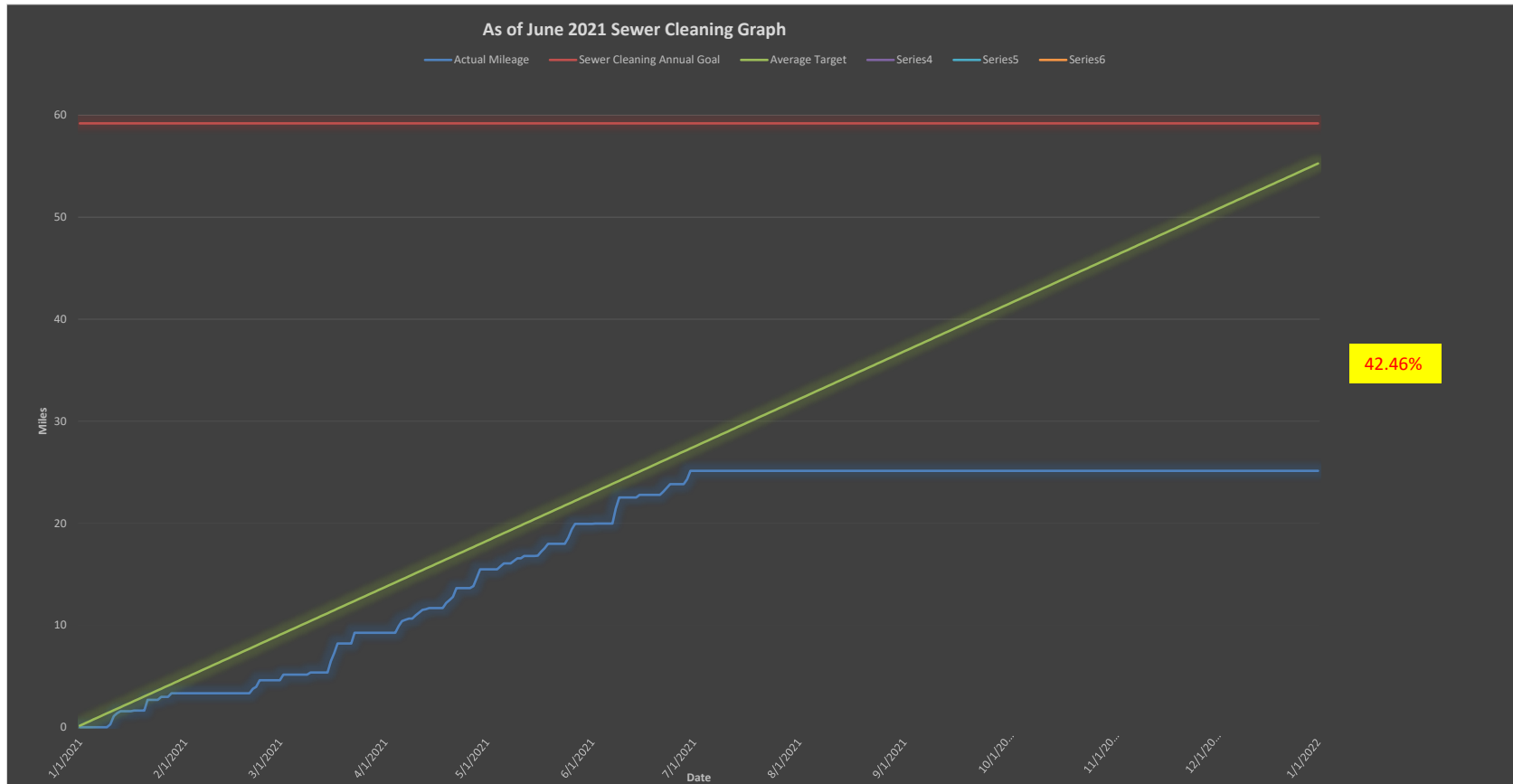


**Guam Waterworks Authority**  
**VEHICLE FLEET STATUS**  
**6/25/2021**

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	2	0	2	0%
Crane	1	1	0	100%
Dump Truck	1	1	0	100%
Forklift	6	4	2	67%
Fuel Tanker	1	1	0	100%
Heavy Duty	11	8	3	73%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	156	110	46	71%
Mini Backhoe	2	2	0	100%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	3	2	60%
Tractor	2	1	1	50%
Tractor Mower	1	1	0	100%
Trailer	16	14	2	88%
Trencher	1	0	1	0%
Vacuum Truck	5	3	2	60%
Water Buffalo	2	2	0	100%
Water Tanker	6	4	2	67%
Compressor	1	1	0	100%
Total	252	176	67	

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	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
3	1	0	0	1	0	1
1	0	0	0	0	0	0
7	1	0	1	0	1	1
1	0	0	0	0	0	0
1	0	0	0	0	0	0
104	6	4	5	14	8	15
2	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0	1	0	0
3	0	0	0	1	1	0
0	1	0	0	1	0	0
1	0	0	0	0	0	0
14	0	0	0	2	0	0
0	0	0	0	1	0	0
3	0	0	1	0	1	0
2	0	0	0	0	0	0
3	1	0	0	0	2	0
1	0	0	0	0	0	0
176	12	4	8	22	15	18

GWA Work Session - July 20, 2021 - DIVISION REPORTS



SEWER CLEANING	January	February	March	April	May	June	July	August	September	October	November	December	Miles Completed	Miles Excess/(Remaining)
SL-RAT	3.33	1.27	4.65	6.22	4.46	5.20	0.00	0.00	0.00	0.00	0.00	0.00	25.13	-34.07

***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 - July 20, 2021 - DIVISION REPORTS

Guam Waterworks Authority		Date: 7/13/2021	 <b>WASTEWATER FACILITIES REPORT</b>
<b>REVIEWS</b>			
TOTAL PUMPS INSTALLED	171	OVERALL AVERAGE <b>89%</b>	
TOTAL PUMPS OPERATIONAL	153	% OF OPERATING PUMPS <b>89%</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 vendor is pending order for mechanical seal.	
2	FUJITA	1	4	3	75%	GPA	A	P#2 was removed 10-29-20 due to bearings issues. Pump at vendor pending repairs.					
3	YPAO	1	2	2	100%	GPA	A	P#2 In for repairs @ JMI; utilizing Machanao pump and volute on line 2.					
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	2	100%	GPA	A						
6	ROUTE 16	1	4	3	75%	GPA	M	P#4 secured due to flapper in check valve loose.					OR 50082 check valve OR 50487 wear plate
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A	P#2 Awaiting Repairs @ Shop, P#2 installed 04-22-2020 pump came from station 11					
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	P#1 and volute being utilized at Ypao pump station, new pump installed					
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	47	90%								

GWA Work Session - July 20, 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	3	100%	OP	A							
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 motor tripping. Pending electrician to troubleshoot.						
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	1	50%	OP	A	Pump #1 was secured due to seal failure. Pending inspection from maintenance team.						
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(Pending release)	
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	Agana Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned						
Total	29		63	57	90%									

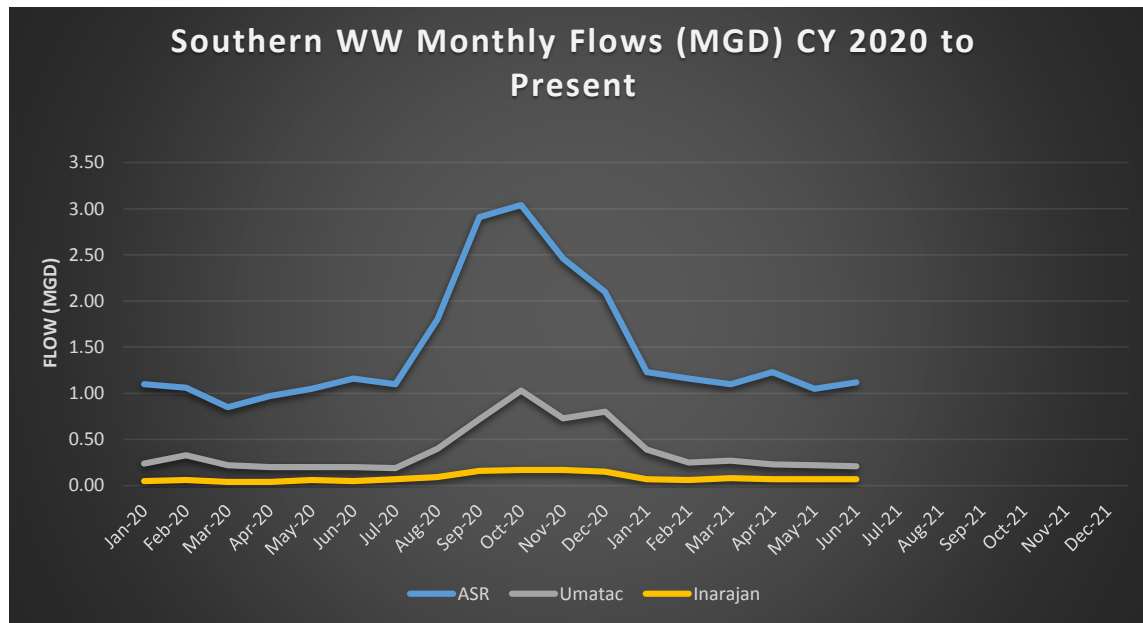
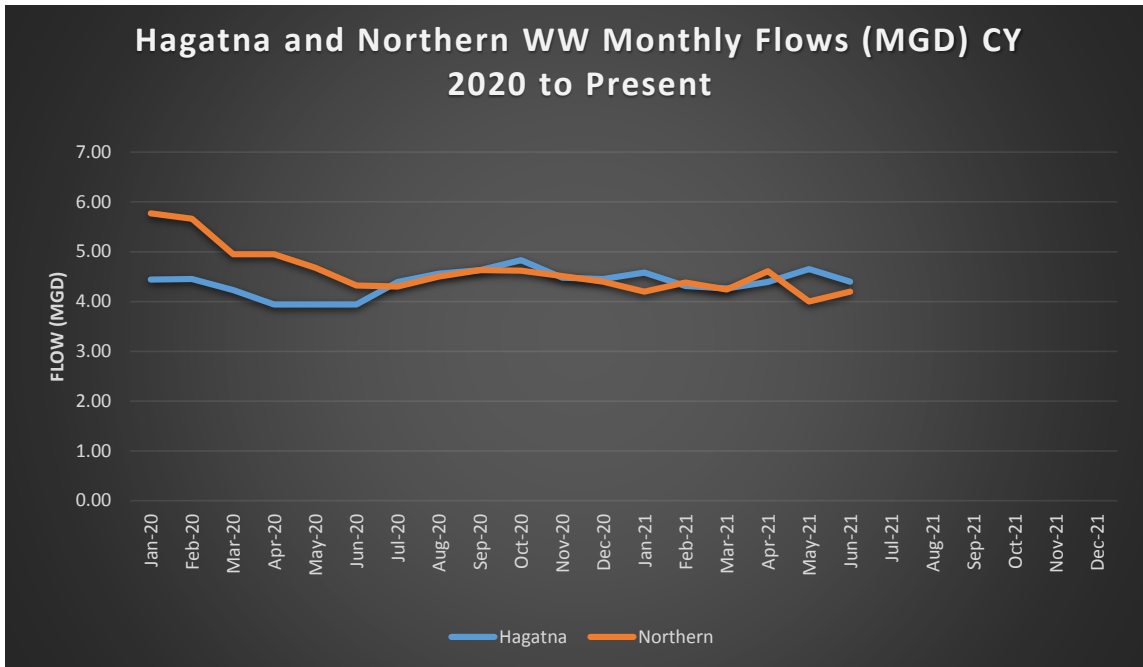
GWA Work Session - July 20, 2021 - DIVISION REPORTS

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 #37179. 6-22-21 P-4 secured due to unit making loud noise while in operation. 6-29-21 Maintenance crew determined that loud noise is a bearing issue. Pump removal is scheduled for later date.					P#4 (PO 500215 pending release) P#2 (OR 50469 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	2	100%	OP	AUTO						
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 20-01-0733	6-6-19 Exhaust blower for wet well is defective and needs replacement. Requested for electricians to relocate the existing blower unit at the old Agat treatment plant wet well and install it at 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 500151(Pending release)
15	EJECTOR #3	2	2	2	100%	PORTABLE /INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	1	50%	PORTABLE/INOP	NA	11-13-20 Compressor #1 was removed and to be used at Ejector 7 for compressor #1.					PO 500151(Pending release)
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	3	100%	OP	AUTO						
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	49	88%								

**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					
Aug-21					
Sep-21					
Oct-21					
Nov-21					
Dec-21					
<b>2021 Average MGD</b>	<b>4.43</b>	<b>4.27</b>	<b>1.15</b>	<b>0.26</b>	<b>0.07</b>
<b>2021 Total MGY</b>	<b>1,618</b>	<b>1,559</b>	<b>419</b>	<b>96</b>	<b>26</b>



GWA Work Session - July 20, 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		\$0		\$0		\$0	-	\$0
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>3,015,189</b>	<b>\$271,367</b>	<b>4,996,840</b>	<b>\$449,716</b>	<b>177,100</b>	<b>\$15,939</b>	<b>8,189,129</b>	<b>\$737,022</b>

