



## 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., Tues., June 16, 2020*

#### AGENDA

#### 1. ISSUES FOR DECISION

- 1.1 Relative to Approval of Amendment for the Indefinite Delivery/Indefinite Quantity Professional Project/Construction Management Services Contract / Resolution No. 28-FY2020
- 1.2 Relative to Approving the Guam Waterworks Authority's "2020-2024 Capital Improvement Plan (CIP) Supplement" / Resolution No. 29-FY2020
- 1.3 Relative to GPA and GWA to Offering Payment Plans for Customers Experiencing Financial Hardship During the Coronavirus (COVID-19) State of Emergency / Resolution 30-FY2020 (GPA Resolution No. 2020-16)
- 1.4 Relative to Approval of the 2010, 2013 and 2016 Bond Proceeds Reallocation / Resolution 31-FY2020

#### 2. GM REPORT

- 2.1 [GM Summary](#)

#### 3. ISSUES FOR DISCUSSION

#### 4. OTHER DISCUSSION

- 4.1 CCU Rules

#### 5. DIVISION REPORTS

- 4.1 Communications
- 4.2 Compliance & Safety
- 4.3 [Customer Service](#)
- 4.4 [Engineering](#)
- 4.5 [Finance](#)
- 4.6 [Operations](#)

#### 6. ANNOUNCEMENTS

- 5.1 Next CCU Meetings: GPA Work Session: June 18; CCU Regular Monthly Mtg.: June 23

#### 7. ADJOURNMENT



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

## Issues for Decision

### **Resolution No. 28-FY2020**

Relative to Approval of Amendment for the Indefinite Delivery/Indefinite Quantity (IDIQ) Professional Project/Construction Management Services Contract

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

GWA currently has an IDIQ contract with Brown and Caldwell. The task to prepare a Consulting Engineer's Report (CER) as required in GWA's pursuit of a Bond issuance to fund numerous water and wastewater system improvements has been finalized and the IDIQ was amended according to Resolution No. 21-FY2020. Resolution No. 21-FY2020 included a contingency for the PUC-required Cost of Service / Rate Design Study (COS/RDS) that was not included in the total contract amount.

At this time, continuing work on three on-going tasks under the IDIQ will extend beyond the current Task Order completion date. These projects have been delayed due to a number of factors including, right-of-way acquisition, wetland delineation and permits, construction constraints, reduction in working hours per DPW permit requirements, and numerous existing buried utilities interfering with trenching activities. Hence, the Task Orders must be amended and an accompanying amendment to the IDIQ contract is required.

In addition, GWA is moving forward with the second phase of the Rt.1 Sewer Rehabilitation project from Adelup to Hagatna and plans to continue using project and construction management services under the IDIQ for this phase. This additional scope of work must be added to the Task Order for Rt.1 by Change Order following authorization by this Resolution.

The three Task Orders are for project and contract management for the Rt.4 Relief Sewer Rehabilitation project (TO#2), the Rt.1 Sewer Rehabilitation project (TO#3), and the SSES Phase 2 project (TO#4). All three of these efforts are necessary and critical to complete sewer improvements serving three areas.

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

The amendment is associated with water and wastewater system improvements on Rt.4 in Hagatna, Rt.1 between Asan and Adelup, and at the Hyundai Subdivision in Santa Rita.

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

The current authorized contract amount is \$1,294,485.00, which includes:

- Task Order 1 for the CER (\$274,555.00, as amended, bond-funded)
- Task Order 2 for the Route 4 Sewer Rehabilitation Project (\$148,348, USEPA grant-funded)
- Task Order 3 for the Route 1 Asan-Adelup Sewer Rehabilitation Project Phase 1 (\$209,780, USEPA grant-funded)

- Task Order 4 for the Southern SSES Sewer Project (\$181,924, USEPA grant-funded)
- Anticipated task order to complete the COS/RDS (\$458,420.00)

It is the intent that this resolution would approve increasing the total contract amount to \$1,742,860.00 for:

- Additional work on the Rt.4 Task Order for an additional \$48,959.00
- Additional work on the Rt.1 Task Order for an additional \$266,270.00
- Additional work on the SSES Task Order for an additional \$87,304.00
- Addition of the \$45,842.00 contingency (approved in 21-FY2020 resolution for the COS/RDS) to the total contract amount.

The resolution approval also would authorize GWA management to execute change orders as needed up to the maximum authorized contract amount.

**When will it be completed?**

The CER is complete. The COS/RDS will be completed prior to March 31, 2021.

The Rt.4 project completion date is anticipated to be September 30, 2020, with the intersection of Rt. 4 and East O'Brien Drive anticipated to be open by the end of July 2020.

The Rt.1 project completion date is anticipated to be December 31, 2021.

The SSES project completion date is anticipated to be December 31, 2020.

**What is the funding source?**

The funding source for the Rt.4, Rt.1, and SSES projects is EPA SRF grant funds.

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

N/A



**CONSOLIDATED COMMISSION ON UTILITIES**  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

**GWA RESOLUTION NO. 28-FY2020**

**RELATIVE TO APPROVAL OF AMENDMENT FOR THE INDEFINITE  
DELIVERY/INDEFINITE QUANTITY PROFESSIONAL PROJECT/CONSTRUCTION  
MANAGEMENT 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 (“GWA”) is a Guam Public Corporation established and existing under the laws of Guam; and

**WHEREAS**, GWA awarded an Indefinite Delivery – Indefinite Quantity (ID-IQ) contract to Brown and Caldwell for Project Management /Construction Management services in the initial maximum amount of Seven Hundred Fifty Thousand Dollars (\$750,000.00) and has issued four (4) Task Orders (TOs) for TO-1 Consulting Engineers Report (CER); TO-2 Rt.4 Relief Sewer project; TO-3 Rt.1 Sewer Rehabilitation project; and TO-4 Southern SSES Sewer Project; and

**WHEREAS**, GWA’s Indefinite Delivery – Indefinite Quantity (ID-IQ) contract to Brown and Caldwell for Project Management /Construction Management services has been amended per GWA Resolution No. 21-FY2020 in the amount of Five Hundred Forty-Four Thousand Four Hundred Eighty-Five Dollars (\$544,485.00) for additional work for the CER under TO-1 and for a pending TO-5 for the PUC-required Cost of Service / Rate Design Study (COS/RDS), which did not include the approved contingency amount of Forty-Five Thousand Eight Hundred Forty-Two Dollars (\$45,842.00) for the COS/RDS only; and

//

1       **WHEREAS**, GWA, is managing several EPA SRF grant funded projects including the  
2 Rt.4 Relief Sewer Rehabilitation Project (TO-2), the Rt.1 Sewer Rehabilitation Project (TO-3),  
3 and the SSES Phase 2 project (TO-4); and  
4

5       **WHEREAS**, due to the delays in construction of each of these projects and the increase  
6 in the scope of work for Phase 2 of the Rt.1 Sewer Rehabilitation Project, additional effort is  
7 needed for services under three Task Order scopes of work authorized under this IDIQ; and  
8

9       **WHEREAS**, management seeks CCU approval to extend Task Orders 2, 3, and 4 issued  
10 to Brown and Caldwell under this IDIQ and increase funding accordingly to 1) Complete the Rt.  
11 4 Relief Sewer Rehabilitation Project as provided for in the original Task Order 2 and as  
12 amended under its Amendment #1; 2) Complete the Rt.1 Sewer Rehabilitation Project as  
13 provided for in the original Task Order 3 and as amended under its Amendment #1; 3) Complete  
14 the SSES phase 2 Project as provided for in the original Task Order 4 and as amended under its  
15 Amendment #1; and  
16

17       **WHEREAS**, the total amount of the Task Order 2 Amendment 1 equals Forty-Eight  
18 Thousand Nine Hundred Fifty-Nine Dollars (\$48,959.00) (See Exhibit A) and Task Order 3  
19 Amendment 1 equals Two Hundred Sixty-Six Thousand Two Hundred Seventy Dollars  
20 (\$266,270.00) (See Exhibit B) and Task Order 4 Amendment 1 equals Eighty-Seven Thousand  
21 Three Hundred Four Dollars (\$87,304.00) (See Exhibit C) and the previously-approved  
22 contingency amount for the anticipated task order to complete the COS/RDS is Forty-Five  
23 Thousand Eight Hundred Forty-Two Dollars (\$45,842.00) for a total of Four Hundred Forty-  
24 Eight Thousand Three Hundred Seventy-Five Dollars (\$448,375.00); and  
25

26       **WHEREAS**, Amendment #2 to the IDIQ is necessary to increase the maximum contract  
27 amount to enable execution of the Task Order 2 Amendment 1, Task Order 3 Amendment 1, and  
28 Task Order 4 Amendment 1 and the COS/RDS, the total amount of increase being Four Hundred  
29 Forty-Eight Thousand Three Hundred Seventy-Five Dollars (\$448,375.00), for a new total  
30 contract amount of One Million Seven Hundred Forty-Two Thousand Eight Hundred Sixty  
31 Dollars (\$1,742,860.00); and  
32

**WHEREAS**, funding for the EPA projects will be from EPA SRF grant funds applicable to the project.

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the CER is required as part of GWA's pursuit of Bond measure to fund numerous system water and wastewater system improvements, and COS/RDS is required by the PUC's Docket 19-8 Ordering Provision 7.
3. The CCU hereby approves the funding increase for additional project and contract support services for the current Rt.4, Rt.1, and SSES phase 2 sewer projects and the COS/RDS contingency in the amount of Four Hundred Forty-Eight Thousand Three Hundred Seventy-Five Dollars (\$448,375.00).
4. The CCU hereby further approves the total funding authorization for the IDIQ contract with Brown and Caldwell to an amount of One Million Seven Hundred Forty-Two Thousand Eight Hundred Sixty Dollars (\$1,742,860.00).
5. The CCU hereby further approves management to pursue notification to the PUC for a contract exceeding One Million Dollars (\$1,000,000.00), with the bond-funded portion of the contract totaling less than One Million Dollars (\$1,000,000.00) and the remainder of the contract funded by USEPA grants.

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

**DULY AND REGULARLY ADOPTED**, this 23<sup>rd</sup> day of June, 2020.

Certified by:

Attested by:

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

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

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**SECRETARY'S CERTIFICATE**

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

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

AYES: \_\_\_\_\_  
NAYS: \_\_\_\_\_  
ABSENT: \_\_\_\_\_  
ABSTAIN: \_\_\_\_\_

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## Exhibit A

This is **EXHIBIT K**, consisting of 2 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services – Task Order Edition** dated June 27, 2019.

### Amendment No. 1 To Task Order No. 2

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#### 1. Background Data:

- a. Effective Date of Task Order: January 22, 2020
- b. Owner: Guam Waterworks Authority
- c. Engineer: Brown and Caldwell
- d. Specific Project: Project/Contract Management for Route 4 Sewer Line Rehabilitation and Replacement (SRF Grant Project)

#### 2. Description of Modifications

a. The original Task Order included Engineering Services to manage the project and its two construction contracts for the on-going Rt.4 Sewer Line rehabilitation and Replacement construction project through close-out. Because construction has advanced slower than expected and because of difficulties encountered during construction that warranted contract performance time extensions for both contracts, an extension to this Task Order to continue project and contract management to complete the two active construction contracts is necessary. This Amendment will extend the Engineering Services to align with the current construction completion schedule. All Tasks described in the original Task Order remain in effect and are extended under this Amendment No.1 to Task Order No.2 through September 30, 2020.

Lump Sum amounts apply through construction completion, as determined by completion of all punch list work under the two contracts being managed through this Task Order. After construction is complete, work will be billed on a Time and Materials basis using the rates provided in the attached fee proposal.

b. The Schedule for Rendering services under this Task Order is modified as follows:

<u>Party</u>	<u>Action</u>	<u>Original Schedule Date</u>	<u>Revised Completion Date</u>
Engineer	Task 1 – Task Management	July 18, 2020	September 30, 2020
Engineer	Task 2 – Project/Contract Management	July 18, 2020	September 30, 2020

c. For the Additional Services set forth above, Owner shall pay Engineer the following additional compensation:

Description of Service	Additional	Basis of
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	<b>Amount</b>	<b>Compensation</b>
<b>1. Basic Services during Construction</b>		
a. Task 1 – Task Management	\$3,572	Lump Sum
b. Task 2 – Project Management	\$6,998	Lump Sum
c. Task 2 – Contract Management	\$17,360	Lump Sum
d. Expenses	\$275	Lump Sum
e. GRT	\$1,484	Lump Sum
Lump Sum Total	\$29,689	
<b>2. Basic Services during Close-out</b>		
a. Task 1 – Task Management	\$2,156	T&M
b. Task 2 – Project Management	\$4,630	T&M
c. Task 2 – Contract Management	\$11,520	T&M
d. GRT	\$963	
Time and Materials Total	\$19,269	
<b>TOTAL ADDITIONAL COMPENSATION (lines 1.a-e and 2.a-d)</b>	<b>\$48,959</b>	

### 3. Task Order Summary (Reference only)

a.	Original Task Order amount:	\$148,348
b.	Net change for prior amendments:	\$0
c.	This amendment amount:	\$48,959
d.	Adjusted Task Order amount:	\$197,307

The foregoing Task Order Summary is for reference only and does not alter the terms of the Task Order, including those set forth in Exhibit C.

Owner and Engineer hereby agree to modify the above-referenced Task Order as set forth in this Amendment. All provisions of the Agreement and Task Order not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is May 7, 2020.


OWNER:

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date  
Signed: \_\_\_\_\_

ENGINEER:

By:  \_\_\_\_\_

Title: Senior Vice President

Date May 7, 2020  
Signed: \_\_\_\_\_

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Exhibit K – Amendment to Task Order

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## Exhibit B

This is **EXHIBIT K**, consisting of 2 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services – Task Order Edition** dated June 27, 2019.

### Amendment No. 1 To Task Order No. 3

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#### 1. Background Data:

- a. Effective Date of Task Order: January 22, 2020
- b. Owner: Guam Waterworks Authority
- c. Engineer: Brown and Caldwell
- d. Specific Project: Project/Contract Management for Asan-Adelup-Hagatna, Route 1 Sewer Line Rehabilitation and Replacement (SRF Grant Project)

#### 2. Description of Modifications

- a. The original Task Order included Engineering Services to progress the Adelup to Hagatna section of sewer rehabilitation (phase 2) through the re-design and bidding stages to award a construction contract. This Amendment will expand and extend the Engineering Services for Adelup to Hagatna - to include Project Management services throughout the construction phase of the Adelup to Hagatna section of sewer rehabilitation under a new Task #4 and include extending services under Task 1 – Task Management. This Task Order also extends the duration of work under Task 2 – Project/Contract Management-Asan to Adelup – to align with the current construction completion schedule.
- b. The Engineer shall perform the following additional services:
  - 1. Extend the Duration of Task 1: Management Services to provide additional time and effort to complete the project. The extended project duration is through December 31, 2021.
  - 2. Extend the duration of Task 2: Project/Contract Management to provide additional time and effort to continue the active construction work on the Asan to Adelup sewer rehabilitation contract through the anticipated construction completion - October 1, 2020.
  - 3. Extend the duration of Task 3: Contracting Assistance to provide additional time to complete the task up to the contract advertisement anticipated to be by December 30, 2020 for the Adelup to Hagatna segment.
  - 4. **Add Task 4** to provide Project/Contract Management Services for the Adelup to Hagatna segment of sewer rehabilitation (phase 2) to be constructed under a new GWA contract. It is anticipated that the duration of Task 4 will continue through December 2021. Task 4 Services will include:
    - A. The Engineer will manage the project and its contracts for the Phase 2 Adelup-Hagatna segment of the Asan-Adelup-Hagatna, Route 1 Sewer Line Rehabilitation and Replacement construction project through closeout. The Engineer will provide project management oversight and technical subject matter expertise for the subject project including GWA's Phase 2 construction management consultant, the construction contractor, and GWA's contract with HDR for engineering support services during construction. The Engineer will

handle consultant and contractor payment requests and substantiate documentation for pay requests. The Engineer will perform contract management, monitor contractor work plans, review cost breakdowns and schedules of values, attend meetings with USEPA, verify as-built drawings are being prepared by others, and submit final copies of work products to GWA and USEPA. The Engineer will perform Change Order management and provide advance notification of change conditions and budget category transfer request to USEPA and seek USEPA approvals. The Engineer will assist GWA in issuing a letter at the close of the project certifying that the project meets or does not meet project performance standards. Corrective action reports and cost estimates for corrective action will be prepared, along with a schedule for corrective action. The Engineer will assist GWA in meeting Federal cost-cutting requirements and conformance compliance with Federal regulations. The Engineer will help GWA obtain correct Davis Bacon prevailing wages determinations and assist in monitoring for Davis Bacon compliance, as requested by GWA.

B. Work to be performed:

- Control cost and manage the construction budget, and the CM budget
- Facilitate project team cooperation and input
- Maintain project files
- Review invoices and recommend payment, verify quantities
- Manage contractor contracts
- Manage construction manager contract
- Monitor Progress schedules
- Perform random periodic site visits on an as-needed basis
- Track RFI's, RFP's, FO's, change orders, shop drawings and other submittals
- Conduct claims analysis and claims resolution
- Determine substantial completion and prepare list of incomplete or unsatisfactory items and a schedule for their completion
- Ensure appropriate level of communication and public outreach
- Deliver all project files to GWA digitally archived and one hard copy of relevant documents
- Deliver as-built record drawings to GWA

c. The Schedule for Rendering services under this Task Order is modified as follows:

<u>Party</u>	<u>Action</u>	<u>Original Schedule Date</u>	<u>Revised Completion Date</u>
Engineer	Task 1 – Task Management	July 18, 2020	December 30, 2021
Engineer	Task 2 – Project/Contract Management – Asan to Adelup	July 18, 2020	October 1, 2020
Engineer	Task 3 – Contracting Assistance – Adelup to Hagatna	July 18, 2020	December 30, 2020
Engineer	Task 4 – Project/Contract Management (Phase 2) –		December 30, 2021

	<b>Adelup to Hagatna</b>		
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- d. For the Additional Services set forth above, Owner shall pay Engineer the following additional compensation:

Description of Service	Additional Amount	Basis of Compensation
1. Basic Services		
a. Task 1 – Task Management	\$22,302	Lump Sum
b. Task 2 – Project Management – Asan to Adelup	\$16,364	Lump Sum
c. Task 2 – Contract/Construction Management – Adelup to Hagatna	\$30,736	Lump Sum
d. Task 3 – Contracting Assistance – Adelup to Hagatna	\$0	<i>No change</i>
e. Task 4 – Project/Contract Management – Adelup to Hagatna (phase 2)	\$183,328	Lump Sum
f. Expenses	\$227	Lump Sum
g. GRT	\$13,313	Lump Sum
<b>TOTAL ADDITIONAL COMPENSATION (lines 1.a-g)</b>	<b>\$266,270</b>	

### 3. Task Order Summary (Reference only)

- |    |                                  |           |
|----|----------------------------------|-----------|
| a. | Original Task Order amount:      | \$209,780 |
| b. | Net change for prior amendments: | \$0       |
| c. | This amendment amount:           | \$266,270 |
| d. | Adjusted Task Order amount:      | \$476,050 |

The foregoing Task Order Summary is for reference only and does not alter the terms of the Task Order, including those set forth in Exhibit C.

Owner and Engineer hereby agree to modify the above-referenced Task Order as set forth in this Amendment. All provisions of the Agreement and Task Order not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is **March 20, 2020**.

OWNER:

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date  
Signed: \_\_\_\_\_

ENGINEER:

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date  
Signed: \_\_\_\_\_

## Exhibit C

This is **EXHIBIT K**, consisting of 2 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services – Task Order Edition** dated June 27, 2019.

### Amendment No. 1 To Task Order No. 4

#### 1. Background Data:

- a. Effective Date of Task Order: January 22, 2020
- b. Owner: Guam Waterworks Authority
- c. Engineer: Brown and Caldwell
- d. Specific Project: Project/Contract Management for Southern SSES Rehabilitation – Phase 2 (Baza Gardens-Santa Rita-Talofofo) (SRF Grant Project)

#### 2. Description of Modifications

a. The original Task Order included Engineering Services to manage the project and construction of the Hyundai Subdivision lift station for the on-going Southern SSES Rehabilitation – Phase 2 (Baza Gardens-Santa Rita-Talofofo) construction project through close-out. Design and subsequent construction is far behind schedule and has caused a delay in the progress of the project. In addition, GWA has requested that BC arrange for the archaeological monitoring plan and field monitoring for the lift station and force main construction. For these reasons, this Amendment No. 1 to Task Order No.4 extends the completion date of the Task Order to continue project and contract management to complete the active construction contract and increases the scope of work to include archaeological services. If an archaeological discovery is made during construction that requires specialized recovery or documentation, these services are not included in 1.d in table below but will be added by future Change Order reflecting actual work done at a daily rate of \$1,320 plus tax. This Amendment No.1 will extend the Engineering Services to align with the current estimated construction schedule. All Tasks described in the original Task Order remain in effect and are extended under this Amendment No.1 to Task Order No.2 through December 31, 2020.

b. The Schedule for Rendering services under this Task Order is modified as follows:

<u>Party</u>	<u>Action</u>	<u>Original Schedule Date</u>	<u>Revised Completion Date</u>
Engineer	Task 1 – Task Management	July 18, 2020	December 31, 2020
Engineer	Task 2 – Project/Contract Management/Archaeological Monitoring	July 18, 2020	December 31, 2020

Exhibit K – Amendment to Task Order

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- c. For the Additional Services set forth above, Owner shall pay Engineer the following additional compensation:

Description of Service	Additional Amount	Basis of Compensation
1. Basic Services		
a. Task 1 – Task Management	\$7,024	Lump Sum
b. Task 2 – Project Management	\$22,328	Lump Sum
c. Task 2 – Contract Management	\$39,776	Lump Sum
d. Task 2 - Archaeological Monitoring	\$12,601	
e. Expenses	\$1,210	Lump Sum
f. GRT	\$4,365	Lump Sum
<b>TOTAL ADDITIONAL COMPENSATION (lines 1.a-f)</b>	<b>\$87,304</b>	

**3. Task Order Summary (Reference only)**

- |    |                                  |           |
|----|----------------------------------|-----------|
| a. | Original Task Order amount:      | \$181,924 |
| b. | Net change for prior amendments: | \$0       |
| c. | This amendment amount:           | \$87,304  |
| d. | Adjusted Task Order amount:      | \$269,228 |

The foregoing Task Order Summary is for reference only and does not alter the terms of the Task Order, including those set forth in Exhibit C.



Owner and Engineer hereby agree to modify the above-referenced Task Order as set forth in this Amendment. All provisions of the Agreement and Task Order not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is May 28, 2020.

OWNER:

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date

Signed: \_\_\_\_\_

ENGINEER:

By:  \_\_\_\_\_

Title: \_\_\_\_\_

Senior Vice President

Date

May 21, 2020

Signed: \_\_\_\_\_

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Exhibit K – Amendment to Task Order

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Guam Waterworks Authority  
PM/CM IDHQ

Hyundai Subdivision Lift Station Project Management and Contract Management

Assumptions:  
Extended duration to December 31, 2020

**1. Task Management**

Description	Labor Hours										Labor Cost	ODCs		Subtotal
	Riegel	Claveria	Matasci	Bliz	0	0	0	Tamal	0	Ligaya		Travel	Subs/Misc	
General task management	4	6	2					4		20	\$4,940	\$1,210	\$6,150	
Weekly meeting with GWA	2		2							12	\$2,084		\$2,084	
Totals	6	6	4	0	0	0	0	4	0	32	\$7,024	\$1,210	\$8,234	
	\$ 1,656	\$ 960	\$ 1,144	\$ -	\$ -	\$ -	\$ -	\$ 704	\$ -	\$ 2,560		Tax:	\$433	
	20.1%	11.7%	13.9%	0.0%	0.0%	0.0%	0.0%	8.5%	0.0%	31.1%		Grand Total:	\$8,667	

Avg labor \$135 /hr

**2. Project Management**

Description	Labor Hours										Labor Cost	ODCs		Subtotal
	Riegel	Claveria	Matasci	Bliz	0	0	0	Tamai	0	Ligaya		Travel	Subs/Misc	
Coordination with GWA/EPA Schedule Management and Documentation QA/QC Review of deliverables	24	30								8	\$12,064		\$12,064	
	14	40								54	\$10,264		\$10,264	
	0	0								0	\$0		\$0	
Totals	38	70	0	0	0	0	0	0	0	8	\$22,328	50	\$22,328	
	\$ 10,488	\$ 11,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 640		Tax	\$1,175	
	47.0%	50.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%		Grand Total	\$23,503	

Avg labor \$192 /hr

**3. Contract and Construction Management**

Description	Labor Hours										Labor Cost	ODCs		Subtotal
	Riegel	Claveria	Matasci	Bliz	0	0	0	Tamai	0	Ligaya		Travel	Subs/Misc	
Coordination with Contractor Management of Contract matters (change orders, payments, etc)	16	24								40	\$8,256		\$8,256	
	16	48								64	\$12,096		\$12,096	
	24	80								104	\$19,424		\$19,424	
Archaeological Monitoring												\$11,455	\$12,601	
Totals	56	152	0	0	0	0	0	0	0	208	\$39,776	\$0	\$52,377	
	\$ 15,456	\$ 24,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Tax:	\$2,757	
	38.9%	61.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		Grand Total:	\$55,133	

\* includes 10% BC mark-up

Avg labor \$191 /hr

**4. Expense**

Expense Description	Units	Unit Amount	Quantity	Extension
Airfare - Mainland	roundtrip	\$3,000		\$0
Rental car	day	\$75		\$0
Per diem	person-day	\$250		\$0
Mileage	mile	\$0.550	2200	\$1,210
Total expenses				\$1,210

**Total Task Order**

	Description	Labor Hours								Labor	Labor Cost	Travel	ODCs	
		Riegel	Claeveria	Mataasci	Bliz		O	Tamal	O	Ugavay	Hours	\$0	Subs/Misc	Subtotal
1.	Task Management	6	6	4	0	0	0	0	4	32	52	\$7,024	\$1,210	\$8,234
2.	Project Management	38	70	0	0	0	0	0	0	8	116	\$22,328	\$0	\$20
3.	Contract and Construction Management	56	152	0	0	0	0	0	0	0	208	\$39,776	\$0	\$52,377
4.	Expenses													\$12,601
	Totals	100	228	4	0	0	0	0	4	40	376	\$69,128	\$1,210	\$82,939
		\$27,600	\$36,480	\$1,144	\$0	\$0	\$0	\$0	\$704	\$3,200				\$4,365
		39.2%	51.9%	1.6%	0.0%	0.0%	0.0%	0.0%	1.0%	4.5%		Total:		\$87,304
										Avg labor / hr				



**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. 29-FY2020**

Relative to Approving the Guam Waterworks Authority's "2020-2024 Capital Improvements Plan (CIP) Supplement"

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

The objective of "2020-2024 Capital Improvements Plan (CIP) Supplement" is to present to the CCU the updated funding allotments within the CIP given GWA was able to obtain additional 2020 bond proceeds in the amount of Fourteen Million Six Hundred Sixty-Four Thousand Two Hundred Sixty-Eight Dollars and Sixty-Five Cents (\$14,664,268.65). The additional funding was spread in various CIP line items that are intended to address non-revenue water loss, reduction in sanitary sewer overflows, remaining USEPA Court Order project, projects that address pending USEPA consent decree requirements and general GWA facility improvements.

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

The additional funding allotments are intended for water and wastewater projects throughout the island.

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

The additional funding allotments Fourteen Million Six Hundred Sixty-Four Thousand Two Hundred Sixty-Eight Dollars and Sixty-Five Cents (\$14,664,268.65).

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

N/A

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

2020A Bond Series

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



CONSOLIDATED COMMISSION ON UTILITIES  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

**RESOLUTION NO. 29-FY2020**

**RELATIVE TO APPROVING THE GUAM WATERWORKS AUTHORITY'S "2020-2024 CAPITAL IMPROVEMENT PLAN (CIP) SUPPLEMENT"**

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

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

**WHEREAS**, the CCU previously approved via Resolution No. 20-FY2019 the 2020-2024 Capital Improvements Plan ("CIP"), which planned capital projects with expenditures coming from the 2020 bond issuance in the amount of One Hundred Eight Million Nine Hundred Twenty-Six Thousand Dollars (\$108,926,000.00); and

**WHEREAS**, the petition to the Public Utilities Commission also reflected a 2020 Bond funding plan of One Hundred Eight Million Nine Hundred Twenty-Six Thousand Dollars (\$108,926,000.00); and

**WHEREAS**, on June 4, 2020 GWA closed on the 2020A bond issuance that provided net proceeds for construction funds to the capital improvement projects in the amount of One Hundred Twenty-Three Million Five Hundred Ninety Thousand Two Hundred Sixty-Eight Dollars and Sixty Five Cents (\$123,590,268.65) which is an additional Fourteen Million Six Hundred Sixty-Four Thousand Two Hundred Sixty-Eight Dollars and Sixty-Five Cents (\$14,664,268.65) above what was planned to acquire for the construction funds from the 2015 Bond proceeds; and

1       **WHEREAS**, due to the additional 2020A bond proceeds that GWA was able to  
2 acquire, the 2020-2024 CIP as previously approved does not reflect this fact and as such  
3 GWA management requests approval by the CCU relative to the distribution of the additional  
4 proceeds within the CIP; and

5  
6       **WHEREAS**, the “Series 2020A Bond Supplement” (see Exhibit A) maintains the  
7 same capital line items as the previously approved 2020-2024 CIP, however the changes to  
8 the CIP line items are as follows 1) some of the additional 2020A Bond proceeds realized  
9 were used where planned Internally Funded CIP (IFCIP) allotments were identified given  
10 that GWA revenues are anticipated to drop due to economic challenges from the recent  
11 global pandemic and 2) some CIP line items with 2020 allotments received additional  
12 funding; and

13  
14       **WHEREAS**, the CIP line items that experienced fund allotment changes to the  
15 2020A bond proceeds are as follows:

- 16       • MP-Gen-Misc-01 “GWA Systems Planning”: \$50,000 of 2020A proceeds  
17 were added in lieu of IFCIP funding allotment to address water and  
18 wastewater system capital improvements;
  - 19       • MP-Gen-Misc-03 “Surveying and Property Delineation”: \$250,000 of 2020A  
20 proceeds were added to the CIP line item to address property ownership where  
21 GWA facilities exist as a means to validate GWA asset value;
  - 22       • MP-Gen-Misc-04 “Information Technology Improvements”: \$1,250,000 of  
23 2020A proceeds were added in lieu of IFCIP funding allotment to address  
24 GWA Information Technology hardware and software needs to improve  
25 service to customers;
  - 26       • MP-Gen-Misc-05 “GWA Infrastructure Improvements”: \$2,000,000 of  
27 2020A proceeds were added to the CIP line item to address structural and  
28 functional improvements at various GWA facilities;
  - 29       • MP-Gen-Misc-06 “GPWA Fleet Maintenance Facility”: \$500,000 of 2020A  
30 proceeds were added to the CIP line item to address structural and functional  
31 improvements at GWA’s heavy equipment repair facility;
- 32

- MP-Gen-Misc-09 “Security and Resilience Program”: \$100,000 of 2020A proceeds were added to the CIP line item to address security improvements for GWA asset and facilities;
- PW 05-06 “Water Booster Pump Station”: \$200,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address service reliability to area’s served by a BPS.
- PW 05-09 “Leak Detection”: \$400,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address non-revenue water loss.
- PW 05-10 “Potable Water System Planning”: \$400,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address design services for the water system;
- PW 09-01 “Ugum Water Treatment Plant Intake”: \$200,000 of 2020A proceeds were added to the CIP line item and \$400,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address the intake structure improvements within the river;
- PW 09-02 “Water Wells”: \$500,000 of 2020A proceeds were added to the CIP line item to address source water improvements;
- PW 09-11 “Water System Reservoirs 2005 Improvements”: \$900,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address court order projects related to GWA’s reservoirs.
- MP-PW-Pipe-13 “2-Inch Pipe Replacement Program”: \$800,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address old 2-Inch diameter galvanized pipe prone to leaks;
- MP-PW-Pipe-15 “PRV Rehab and Replacement”: \$550,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to improve pressure zone management as one of the means of reducing water loss;
- MP-PW-BPS-01 “Rehabilitate and Replace BPSs”: \$200,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to service reliability to area’s served by a BPS.
- MP-PW-SWTP-01 “Ugum SWTP Intake Cleaning Project”: \$380,000 of 2020A proceeds were added to the CIP line address the intake structure improvements within the river;



- MP-PW-SWTP-02 “Ugum SWTP Intake Modifications”: \$174,000 of 2020A proceeds were added to the CIP line address the intake structure improvements within the river;
- MP-PW-SWTP-03 “Ugum SWTP Reliability Improvements”: \$150,000 of 2020A proceeds were added to the CIP line address the overall plant improvements;
- MP-PW-Well-01 “Well Rehabilitation Program”: \$1,900,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address source water improvements;
- MP-PW-Well-03 “Capacity Enhancement – Well Exploration Program”: \$500,000 of 2020A proceeds were added to the CIP line address source water improvements;
- MP-PW-Well-05 “Wellhead Protection Program”: \$50,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address source water protection measures;
- MP-PW-Well-06 “Well Repair Program”: \$500,000 of 2020A proceeds were added to the CIP line item and \$200,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address service reliability of GWA’s production wells;
- MP-PW-Misc-01 “South Guam Water Supply Study”: \$100,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address source water reliability for the villages of Umatac and Merizo;
- MP-PW-Misc-04 “OneGuam Program”: \$100,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address future grow needs related to DoD expansion.
- MP-PW-Misc-05 “Leak Detection Assistance”: \$150,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address non-revenue water loss;
- WW 09-01 “Lift station upgrades”: \$800,000 of 2020A proceeds were added to the CIP line item and \$250,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address sewer pump station and force main improvements required under the pending USEPA Consent Decree;

- WW 09-01 “Wastewater Collection System Repl/ Rehabilitation”: \$250,000 of 2020A proceeds were added to the CIP line item and \$1,050,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address collection system improvements required under the pending USEPA Consent Decree;
- MP-WW-Pipe-01 “Gravity Pipe Rehabilitation/Replacement Program”: \$1,800,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address collection system improvements required under the pending USEPA Consent Decree;
- MP-WW-Pipe-03 “Route 1 Piti Pipe Rehabilitation/Replacement”: \$600,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address collection system improvements required under the pending USEPA Consent Decree;
- MP-WW-Pipe-17 “Mamajanao Capacity Replacement”: \$414,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address sewer pump station capacity improvements;
- MP-WW-FM-04 “Hagåtña WWTP Force Main Rehabilitation/Replacement”: \$100,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address force main improvements required under the pending USEPA Consent Decree;
- MP-WW-Pump-01 “Lift Station Rehabilitation/Replacement Program”: \$400,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address sewer pump station and force main improvements required under the pending USEPA Consent Decree;
- MP-WW-Pump-02 “Tumon Basin - Fujita Lift Station Analysis”: \$600,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address sewer pump station and force main improvements required under the pending USEPA Consent Decree;
- MP-WW-WWTP-09 “Ocean Outfall Inspection Program”: \$100,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address outfall pipe improvements needs;
- MP-WW-Misc-01B “Update Wastewater Collection System Model (Continued)”: \$50,000 of 2020A proceeds were added in lieu of IFCIP

funding allotment to address collection system CIP planning needs associated with I&I reduction;

- MP-WW-Misc-02 “I/I and SSES Assessments”: \$50,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address I&I reduction;
- MP-WW-Misc-03 “Miscellaneous Wastewater Improvements”: \$500,000 of 2020A proceeds were added to the CIP line item to address collection system design improvement requirements as well as CIP infrastructure upgrade;
- MP-WW-Misc-04 “Fats, Oils, and Grease Study”: \$50,000 of 2020A proceeds were added in lieu of IFCIP funding allotment to address collection system reliability and I&I reduction;

**WHEREAS**, the “2020-2024 CIP Supplement” shall serve as a bridging document until the annual CIP update occurs at the beginning of each fiscal year; and

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The 2020-2025 CIP Supplement attached as Exhibit A is incorporated into this resolution in its entirety.
3. The CCU approves the “2020-2024 CIP Supplement” in its entirety and concurs with the distribution of the additional funds acquired during the closing of the 2020 Bond issuance.
4. The CCU further authorizes GWA management to submit the “2020-2024 CIP Supplement” to the PUC for their records and petition the PUC’s approval to begin using the 2020 bond proceeds.

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

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**DULY AND REGULARLY ADOPTED AND APPROVED** this 23<sup>rd</sup> day of June,  
2020.

Certified by:

Attested by:

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

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

**SECRETARY'S CERTIFICATE**

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

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

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

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

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

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

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**EXHIBIT A - SERIES 2020A BONDS SUPPLEMENT**

GWA Cat	Project #	Description	Series 2020A Funding Amount (\$000) April 2019 (CCU)				Series 2020A Funding Amount (\$000) June 2020		
			FY2019	FY2020	FY2021	FY2022	FY2020	FY2021	FY2022
EE	EE 09-02	Electrical Upgrade - Water Wells		\$ 90			\$ 90		
EE	EE 09-04	Electrical Upgrade - Water Booster		\$ 150			\$ 150		
EE	EE 09-05	Electrical Upgrade - Other Water		\$ 100			\$ 100		
EE	EE 09-07	SCADA Improvements – Phase 2		\$ 45			\$ 45		
EE	EE 09-08	SCADA Improvements – Phase 3		\$ 25			\$ 25		
EE	MP-Gen-EE-01	SCADA Implementation Phase A2 – Initial Project Completion	\$ 1,000	\$ 1,000	\$ 2,250		\$ 2,000	\$ 2,250	
MISC	MP-Gen-Misc-01	GWA Systems Planning	\$ 500				\$ 550		
MISC	MP-Gen-Misc-02B	WRMP Update (Interim Update)		\$ 200			\$ 200		
MISC	MP-Gen-Misc-03	Surveying and Property Delineation	\$ 250				\$ 250		
MISC	MP-Gen-Misc-04	Information Technology Improvements	\$ 200	\$ 200			\$ 1,650		
MISC	MP-Gen-Misc-05	GWA Infrastructure Improvements	\$ 500		\$ 2,000		\$ 500	\$ 2,000	
MISC	MP-Gen-Misc-06	GPWA Fleet Maintenance Facility	\$ 500				\$ 500		
MISC	MP-Gen-Misc-07	Mobile Equipment Replacement Program	\$ 400	\$ 400			\$ 800		
MISC	MP-Gen-Misc-08	General Plant Improvements	\$ 500	\$ 500			\$ 1,000		
MISC	MP-Gen-Misc-09	Security and Resilience Program	\$ 100	\$ 100			\$ 200		
PW	PW 05-06	Water Booster Pump Station			\$ 500			\$ 700	
PW	PW 05-09	Leak Detection						\$ 400	
PW	PW 05-10	Potable Water System Planning						\$ 400	
PW	PW 05-13	Deep Well Rehabilitation		\$ 350			\$ 350		
PW	PW 05-14	New Deep Wells at Down Hard		\$ 500			\$ 500		
PW	PW 05-15	Rehabilitation of Asan Springs		\$ 550			\$ 550		
PW	PW 09-01	Ugum Water Treatment Plant Intake	\$ 200				\$ 200	\$ 400	
PW	PW 09-02	Water Wells					\$ 500		
PW	PW 09-03	Water Distribution System Pipe Replacement and Upgrades		\$ 500	\$ 500	\$ 1,250	\$ 500	\$ 500	\$ 1,250
PW	PW 09-11	Water System Reservoirs 2005 Improvements	\$ 17,000	\$ 8,000			\$ 25,100	\$ 800	
PW	PW 11-02	Ugum Water Treatment Plant Reservoir	\$ 7,500				\$ 7,500		
PW	PW 12-06	Tank Replacement Piti & Hyundai	\$ 6,500				\$ 6,500		
PW	MP-PW-Pipe-04	Hyundai Well Piping	\$ 500				\$ 500		
PW	MP-PW-Pipe-05	Kaiser Zone Looping	\$ 300				\$ 300		
PW	MP-PW-Pipe-06	Mangilao Pressure Zone Realignment	\$ 300				\$ 300		
PW	MP-PW-Pipe-07	Mataguac BPS Suction Piping			\$ 500			\$ 500	
PW	MP-PW-Pipe-10	Miscellaneous Piping Projects		\$ 100	\$ 100		\$ 100	\$ 100	
PW	MP-PW-Pipe-11	Miscellaneous Piping Connections		\$ 100	\$ 100		\$ 100	\$ 100	
PW	MP-PW-Pipe-12	Rehabilitation and Replacement Program	\$ 1,000		\$ 1,000		\$ 1,000	\$ 1,000	
PW	MP-PW-Pipe-13	2-Inch Pipe Replacement Program	\$ 1,550	\$ 180	\$ 800		\$ 2,230	\$ 1,100	
PW	MP-PW-Pipe-15	PRV Rehab and Replacement	\$ 500		\$ 1,000		\$ 750	\$ 1,300	
PW	MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program		\$ 250			\$ 250		
PW	MP-PW-Pipe-17	Cross Island Highway Piping			\$ 100			\$ 100	
PW	MP-PW-Tank-22	Existing Tank Inspections	\$ 150				\$ 150		
PW	MP-PW-Tank-23	Recurring Tank Inspections		\$ 200	\$ 200		\$ 200	\$ 200	
PW	MP-PW-BPS-01	Rehabilitate and Replace BPSs	\$ 209				\$ 309	\$ 100	
PW	MP-PW-BPS-02	Nimitz Hill Upper BPS	\$ 48				\$ 48		
PW	MP-PW-SWTP-01	Ugum SWTP Intake Cleaning Project	\$ 380				\$ 380		
PW	MP-PW-SWTP-02	Ugum SWTP Intake Modifications	\$ 174	\$ 1,000			\$ 1,174		
PW	MP-PW-SWTP-03	Ugum SWTP Reliability Improvements	\$ 150	\$ 1,000			\$ 1,150		
PW	MP-PW-Well-01	Well Rehabilitation Program		\$ 200	\$ 1,500		\$ 300	\$ 3,300	

## EXHIBIT A - SERIES 2020A BONDS SUPPLEMENT

GWA Cat	Project #	Description	Series 2020A Funding Amount (\$000) April 2019 (CCU)				Series 2020A Funding Amount (\$000) June 2020		
			FY2019	FY2020	FY2021	FY2022	FY2020	FY2021	FY2022
PW	MP-PW-Well-03	Capacity Enhancement – Well Exploration Program	\$ 500				\$ 500		
PW	MP-PW-Well-05	Wellhead Protection Program		\$ 250			\$ 300		
PW	MP-PW-Well-06	Well Repair Program	\$ 500	\$ 250	\$ 250		\$ 950	\$ 250	
PW	MP-PW-Misc-01	South Guam Water Supply Study					\$ 100		
PW	MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement	\$ 250	\$ 250	\$ 250		\$ 500	\$ 250	
PW	MP-PW-Misc-04	OneGuam Programxx					\$ 50	\$ 50	
PW	MP-PW-Misc-05	Leak Detection Assistance					\$ 150		
WW	WW 05-04	Wastewater System Planning		\$ 150			\$ 150		
WW	WW 09-01	Lift station upgrades						\$ 1,050	
WW	WW 09-06	Wastewater Collection System Repl/ Rehabilitation		\$ 100			\$ 350	\$ 1,050	
WW	MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program		\$ 170			\$ 170	\$ 1,800	
WW	MP-WW-Pipe-03	Route 1 Piti Pipe Rehabilitation/Replacement	\$ 340				\$ 940		
WW	MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement	\$ 657				\$ 657		
WW	MP-WW-Pipe-17	Mamajanao Capacity Replacement		\$ 400			\$ 400	\$ 414	
WW	MP-WW-Pipe-26	Finile Drive Rehabilitation - Agat	\$ 63	\$ 750			\$ 813		
WW	MP-WW-Pipe-27	Septic/Cesspool System Reduction Program			\$ 350				\$ 350.27
WW	MP-WW-MH-01	Manhole Rehabilitation Program		\$ 350			\$ 350		
WW	MP-WW-FM-01	Force Main Rehabilitation/Replacement Program			\$ 100			\$ 100	
WW	MP-WW-FM-02	Replace Yigo Lift Station Force Main			\$ 200			\$ 200	
WW	MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement	\$ 2,124				\$ 2,124		
WW	MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement	\$ 5,000	\$ 1,500			\$ 6,600		
WW	MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program		\$ 1,420	\$ 6,500		\$ 1,820	\$ 6,500	
WW	MP-WW-Pump-02	Tumon Basin - Fujita Lift Station Analysis	\$ 1,000	\$ 5,000	\$ 3,000		\$ 6,600	\$ 3,000	
WW	MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)	\$ 100	\$ 1,201			\$ 1,301		
WW	MP-WW-WWTP-08	Northern District WWTP Completion			\$ 7,500			\$ 7,500	
WW	MP-WW-WWTP-09	Ocean Outfall Inspection Program					\$ 100		
WW	MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)					\$ 50		
WW	MP-WW-Misc-02	I/I and SSES Assessments					\$ 50		
WW	MP-WW-Misc-03	Miscellaneous Wastewater Improvements	\$ 500				\$ 500		
WW	MP-WW-Misc-04	Fats, Oils, and Grease Study					\$ 50		
Subtotal by Fund Source			\$ 51,445	\$ 27,531	\$ 28,700	\$ 1,250	\$ 84,576	\$ 37,414	\$ 1,600
<b>Grand Total by Fund Source</b>						<b>\$ 108,926</b>			<b>\$ 123,590.27</b>



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

### Issues for Decision

#### **GWA Resolution No. 30-FY2020 / GPA Resolution No. 2020-15**

Relative to the Guam Power Authority and Guam Waterworks Authority Offering Payment Plans for Customers Experiencing Financial Hardship During the Coronavirus State of Emergency

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

The coronavirus (COVID-19) pandemic was declared a national emergency by the President of the United States on March 14, 2020 and declared as a State of Emergency by the Governor of Guam on the same day.

In order to contain the virus and limit its transmission, all businesses and non-essential government agencies were closed except for critical infrastructure and essential operations such as healthcare operations, utilities, grocery stores, gas stations and hardware stores during the COVID-19 emergency period.

The Guam Power Authority (GPA) and Guam Waterworks Authority (GWA) responded to the COVID-19 emergency by suspending non-payment disconnections to protect the health and safety of customers and assist those suffering economic hardship due to job loss or reduced or lost business.

As of June 8, 2020, 1342 businesses have reported 24,739 employees have been laid off, furloughed or had their work hours reduced as a direct result of the COVID-19 pandemic. The Small Business Administration reported on May 30, 2020 that 1950 businesses impacted by the COVID-19 pandemic have received more than \$191 Million in Paycheck Protection Program forgivable low-interest loans to retain workers, maintain payroll, and cover certain other existing overhead costs.

At the May 2020 GWA work session, the CCU expressed the desire to keep utility payments affordable for customers and maintain continuity of utility services by allowing extended payment plans to customers with outstanding amounts owed due to the hardship caused by the COVID-19 pandemic.

In joint coordination, GPA and GWA General Managers extended the suspension of non-payment disconnections through June 30, 2020 to allow time for customers to receive assistance from federal and local economic relief programs.

Using the guidance of the CCU to respond to the needs of ratepayers, the utilities are proposing to offer up to twelve (12) month payment plans, as necessary, to residential customers in need for unpaid bills to provide customers with enough time to pay their current utility bills and

outstanding amounts owed; and, to offer business customers a payment plan option up to 12-months, on a case by case basis after evaluating their ability to remain current with future bills and pay outstanding amounts owed; and,

**Where is the location?**

The COVID-19 Relief Programs will be administered by Customer Service Representatives from all GPWA Lobby Locations and Call Centers.

**How much will it cost?**

The estimated cost of advertising and promotion of the COVID-19 Relief Programs is \$5,000.

**When will it be completed?**

COVID-19 Relief Programs will end on June 30, 2021.

**What is the funding source?**

No additional funding is required.

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

N/A





**CONSOLIDATED COMMISSION ON UTILITIES**  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

**GPA RESOLUTION NO. 2020-15**  
**GWA RESOLUTION NO. 30-FY2020**

**RELATIVE TO THE GUAM POWER AUTHORITY AND THE GUAM  
WATERWORKS AUTHORITY (GPWA) OFFERING PAYMENT PLANS FOR  
CUSTOMERS EXPERIENCING FINANCIAL HARDSHIP DURING THE  
CORONAVIRUS STATE OF EMERGENCY**

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

**WHEREAS**, GPA and GWA are Guam Public Corporations established and existing under the laws of Guam; and

**WHEREAS**, in response to the Global Health Emergency declared by the World Health Organization and the national emergency declared by President Donald Trump, on March 14, 2020, Governor Lourdes A. Leon Guerrero, issued Executive Order 2020-03 declaring a State of Emergency to respond to coronavirus (COVID-19) pandemic; and

**WHEREAS**, Executive Order 2020-05 ordered the closure of businesses except for certain exemptions such as healthcare operations, grocery stores, gas stations and hardware stores during the COVID-19 emergency period; and

**WHEREAS**, between March 16, 2020 and June 30, 2020, GPA and GWA suspended customer account disconnections during the pandemic emergency period; and

**WHEREAS**, Executive Orders 2020-06, 2020-09, 2020-11 and 2020-16 extended the COVID-19 State of Emergency and shut down non-essential government and business

1 operations through April 13, 2020, May 5, 2020, May 30, 2020 and June 29, 2020 respectfully;  
2 and  
3

4 **WHEREAS**, GPA & GWA responded to the COVID-19 pandemic by suspending non-  
5 payment disconnections to protect the health and safety of customers and assist those suffering  
6 economic hardship due to job loss or reduced or lost business; and  
7

8 **WHEREAS**, as of June 12, 2020, 1508 businesses have reported 27,190 employees have  
9 been laid off, furloughed or had their work hours reduced as a direct result of the COVID-19  
10 pandemic; and  
11

12 **WHEREAS**, as of June 6, 2020, 1999 businesses impacted by the COVID-19 pandemic  
13 have received more than \$194 Million in Paycheck Protection Program forgivable low-interest  
14 loans to retain workers, maintain payroll, and cover certain other existing overhead costs; and  
15

16 **WHEREAS**, in joint coordination, GPA & GWA General Managers extended the  
17 suspension of non-payment disconnections through June 30, 2020 to allow time for customers to  
18 receive assistance from federal and local economic relief programs; and  
19

20 **WHEREAS**, the CCU has expressed the desire to keep utility payments affordable for  
21 customers and maintain continuity of utility services by allowing extended payment plans to  
22 customers with outstanding amounts owed due to the hardship caused by the COVID-19  
23 pandemic; and  
24

25 **WHEREAS**, both utilities propose to offer residential customers a payment plan option,  
26 up to twelve (12) months, on a case by case basis, to provide customers with enough time to pay  
27 their current utility bills and outstanding amounts owed; and  
28

29 **WHEREAS**, both utilities propose to offer business customers a payment plan option up  
30 to twelve (12) months, on a case by case basis, after evaluating their ability to remain current  
31 with future bills and pay outstanding amounts owed; and,  
32

1       **WHEREAS**, each utility's ability to provide payment plans may be constrained by  
2 promulgated service rules or PUC orders and may require authorization to seek PUC approval  
3 for the proposed COVID-19 Relief Programs; and,  
4

5       **WHEREAS**, GPA and GWA are committed to helping all ratepayers get through these  
6 difficult times and encourage customers to make their utility payments before July 1, 2020 or  
7 enter into a payment plan.  
8

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

- 11       1. The CCU recognizes the hardship caused to GPA and GWA residential customers  
12 because of the COVID-19 pandemic and approves creating a COVID-19 Relief Program  
13 to offer up to twelve (12) month payment plans for unpaid bills for residential customers.
- 14       2. The CCU recognizes the hardship caused to GPA and GWA business customers because  
15 of the COVID-19 pandemic and approves creating a COVID-19 Relief Program to offer  
16 business customers a payment plan option up to twelve (12) months, on a case by case  
17 basis after evaluating the customer's ability to remain current with future bills and make  
18 partial payments on outstanding amounts owed.
- 19       3. All penalties and late fees, including interest are waived for all residential and business  
20 customers entering a COVID-19 payment plan.
- 21       4. The CCU authorizes GPA and GWA to petition the PUC as needed for approval of the  
22 proposed COVID-19 Relief Programs.  
23

24       **RESOLVED**, that the Chairman of the Commission certifies and the Secretary of the  
25 Commission attests the adoption of this Resolution.  
26

27  
28 //

29  
30 //

31  
32 //

**DULY and REGULARLY ADOPTED and APPROVED THIS 23<sup>rd</sup> DAY OF JUNE, 2020.**

Certified by:

Attested by:

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

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

**SECRETARY'S CERTIFICATE**

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

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

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

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

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

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

///

///

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# Management Report

## GWA Work Session, June 16, 2020



## Management Update

- **Series 2020A Bonds – Transaction Summary**
  - Par Amount: \$134,000,000
  - Final Maturity: January 1, 2050
  - Ratings:
    - Standard & Poors: A- (Stable)
    - Moody's: Baa2 (Negative Outlook)
  - Construction Fund Deposit: \$123,590,268.95
  - Cost of Issuance: 1.48% of Par
  - Sale Date: May 28, 2020
  - Closing Date: June 4, 2020
- **Market Conditions**
  - COVID-19 pandemic closed the municipal bond market for several weeks
  - April saw signs of market stabilization, but all issuances were “AA” rated credits or higher
  - Limited new issue supply in credits rated below the “A” category, but Citi worked with GWA/GEDA/BBMR to pursue pricing at end of May
- **Pricing Results**
  - Early EMMA announcement allowed pre-POS marketing coordination
  - Extensive marketing: roadshow presentation, 14 one-on-one investor calls after POS posted
  - Strong demand during pricing with \$2.9 Billion in orders, 22x oversubscribed
  - Final rates lowered nearly 100 basis points from most recent secondary market trade
  - 4.0% Yield to the 10-year call date
  - All-in TIC of 4.59% was second lowest TIC ever for GWA new money issuance
- **Highlights**
  - Nearly 70 investors placed \$2.9B in orders, including several for full \$134M in par
  - 85% success rate on marketing efforts with 12 of 14 investors placing orders
  - \$15M additional deposit to Construction Fund over initial estimates



As a result of the financing team's significant investor outreach efforts, GWA was able to lower rates by 40 basis points and add nearly \$10 million to the construction fund

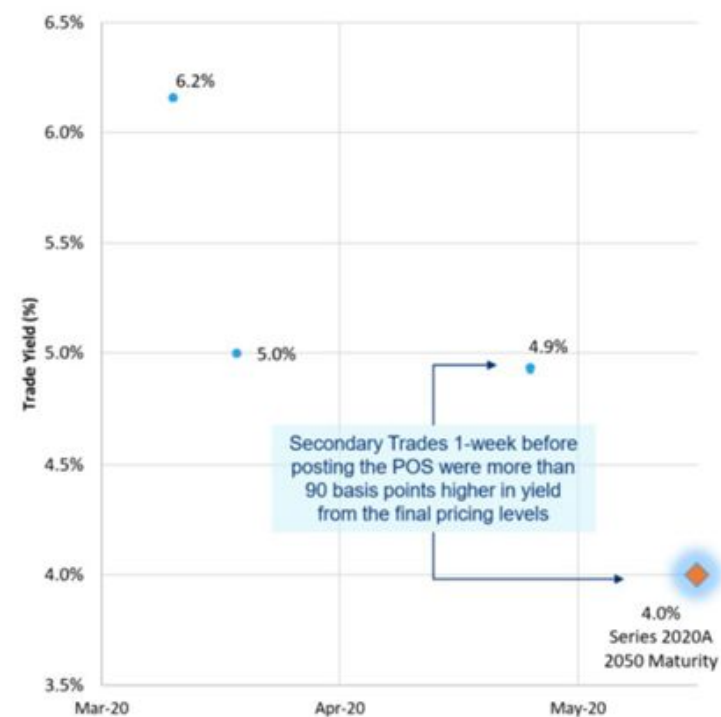
### All-in TIC (%)



### Deposit to Construction Fund (\$ mil)



### GWA Secondary Market Trading<sup>1</sup> vs. Primary Market Pricing



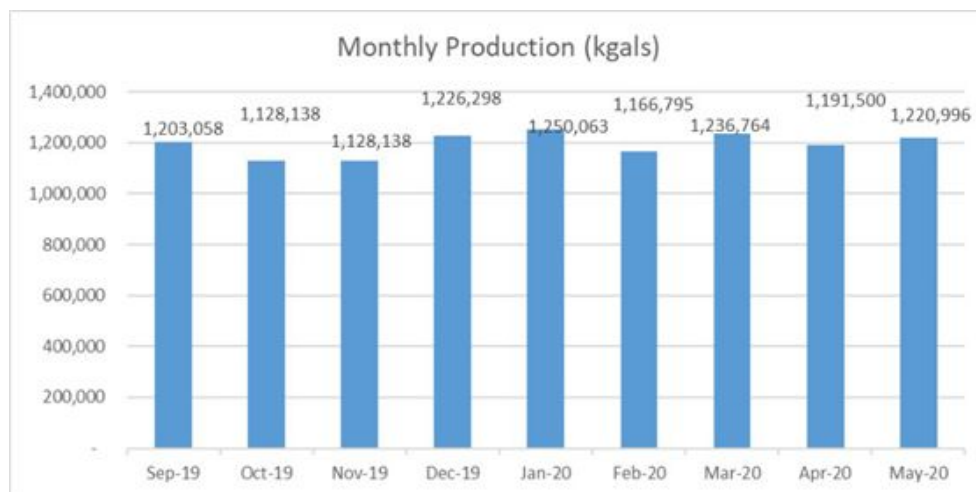
<sup>1</sup> Source: EMMA. Trades >\$1 million. Secondary trades are GWA Series 2016 Bonds, 5.0% 2046 maturity, callable 7/1/26

## Operations Update

Production (May 2020)

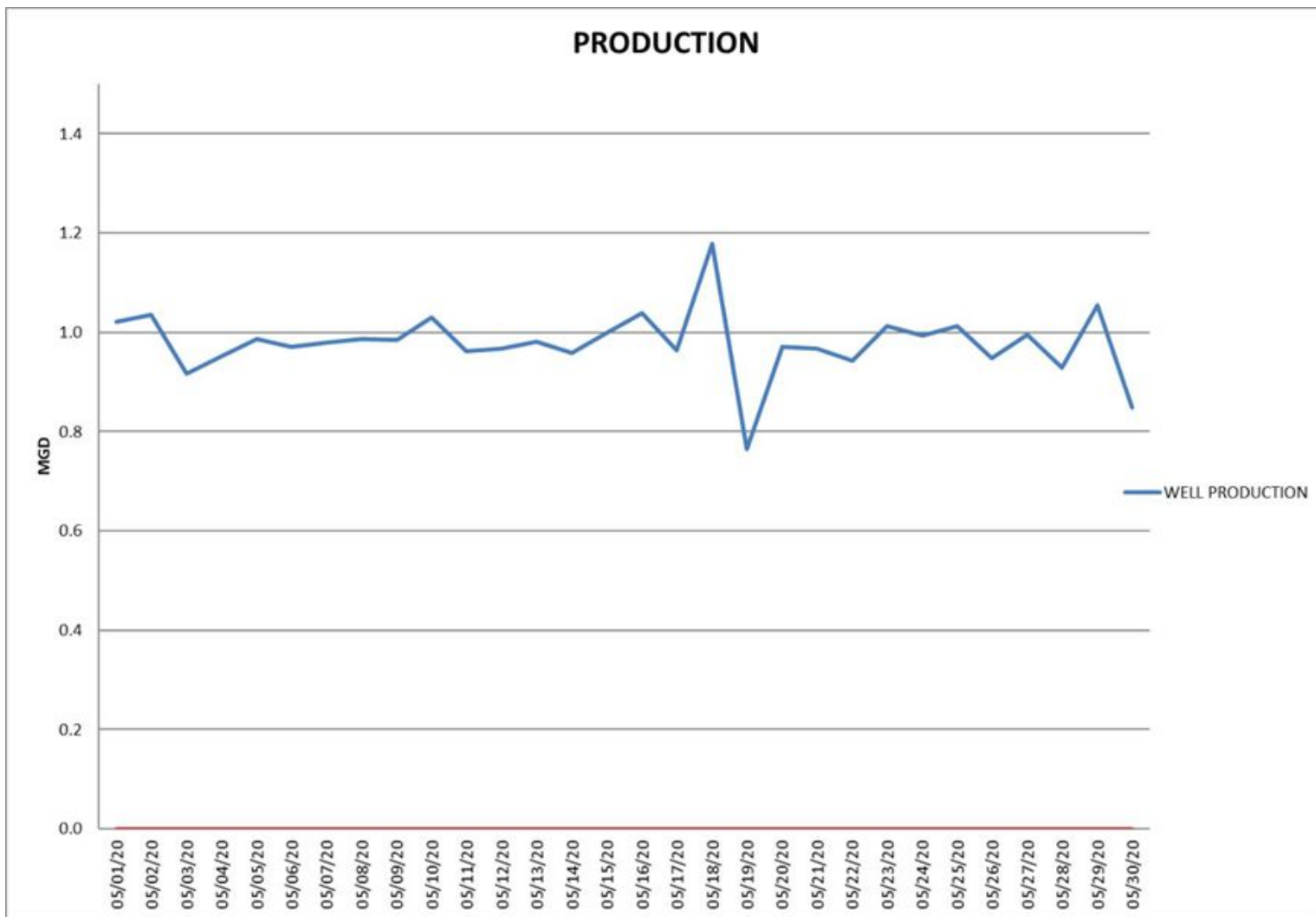
Monthly Production Summary - May 2020			
Deep Wells		36.0 MGD	
Active wells =	94 of 120		
Avg days in operation =	31 days		
Total Production =	1,115,880 Kgals		
Springs		0.18 MGD	
Avg days in operation =	31 days		
Total Production =	5498 Kgals		
Ugum Surface Water Plant		2.2 MGD	
Avg days in operation =	31 days		
Total Production =	69,360 Kgals		
Tumon Maui Well		0.98 MGD	
Avg days in operation =	31 days		
Total Production =	30,258 Kgals		
		1,220,996 Kgals	39.4 MGD

DW Status as of 5/31/2020				
Active	94			
Grounded motor or Pump Failure	6	A26-D03-F06-F15-Y04-Y07		
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05		
Temporarily Secured	3	A23-A25-D25		
Standby	9	A10-A12-A29-D01-F10-F16-F20-M12-M17A		
TOTAL	120			



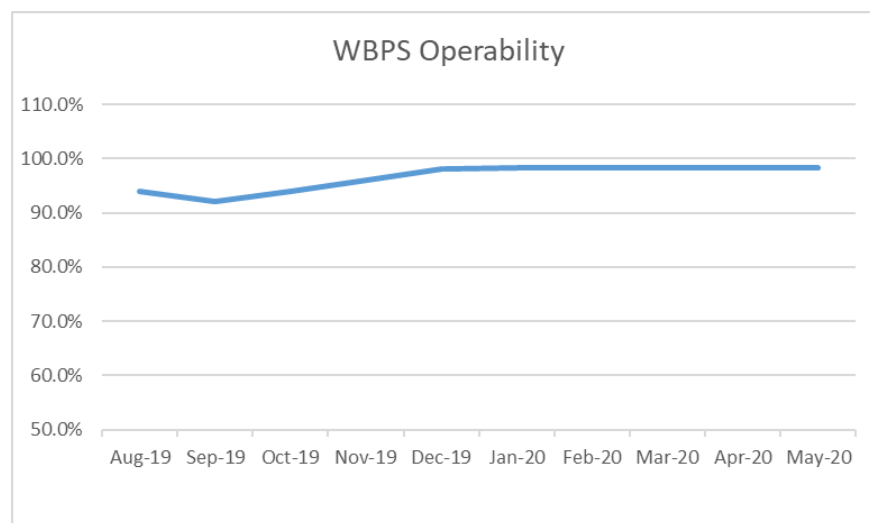


Tumon Maui Well Production (May 2020)

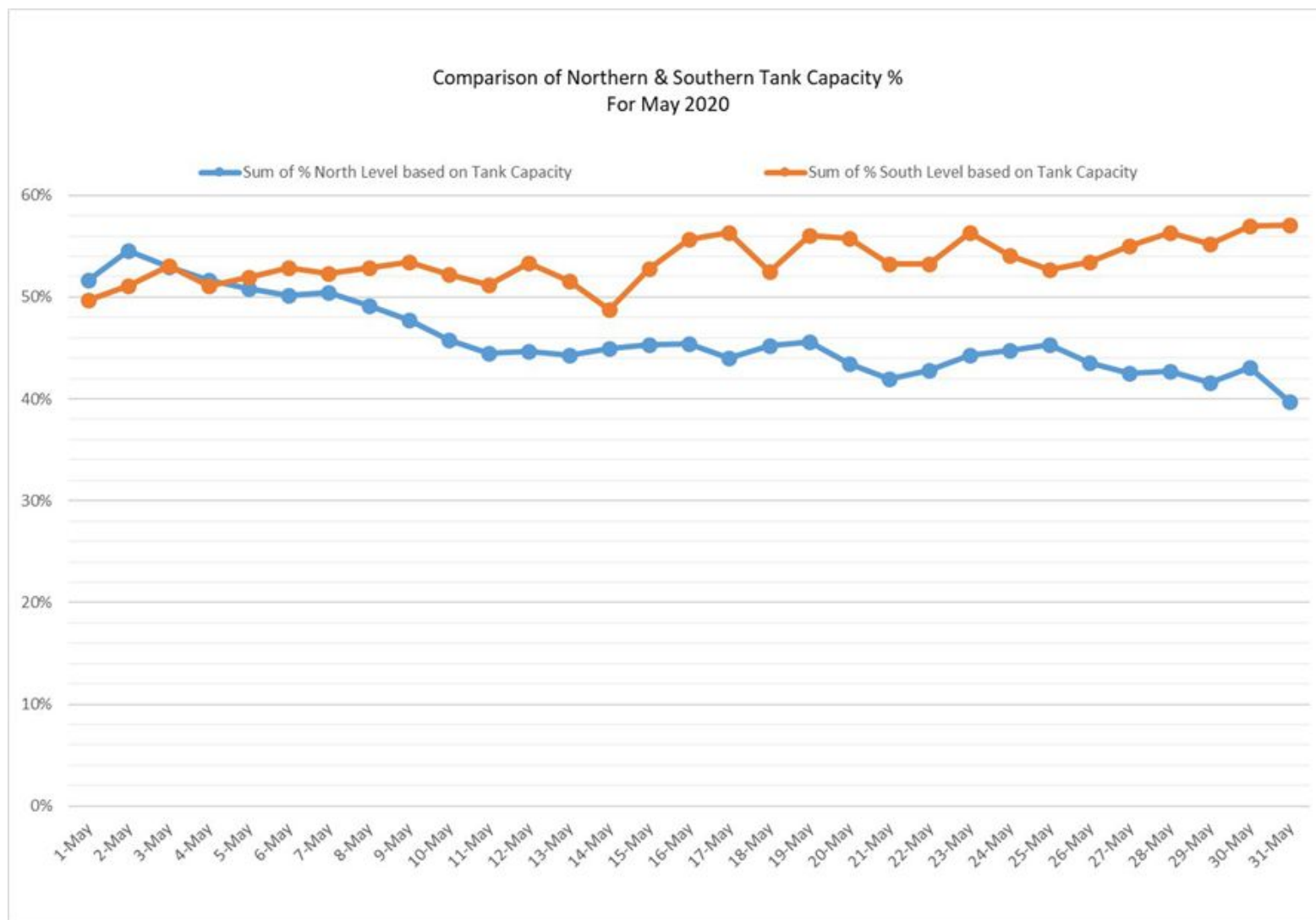


## Distribution (May 2020)

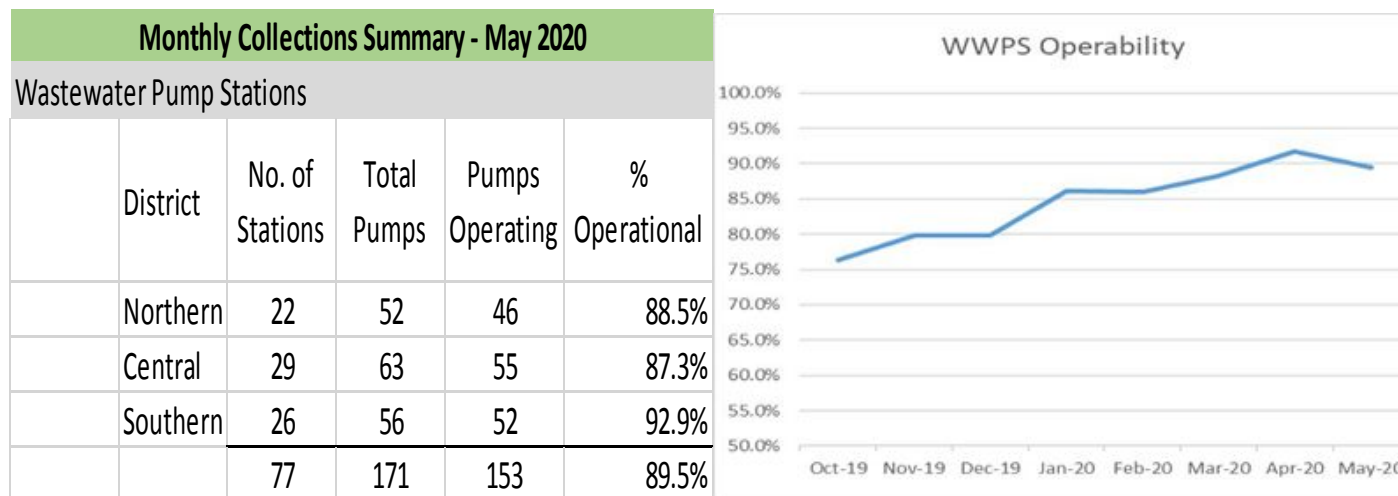
Monthly Distribution Summary - May 2020					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	25	96.2%
	Central	7	15	15	100.0%
	Southern	7	15	15	100.0%
		27	56	55	98.2%



Distribution – Tank Levels (May 2020)



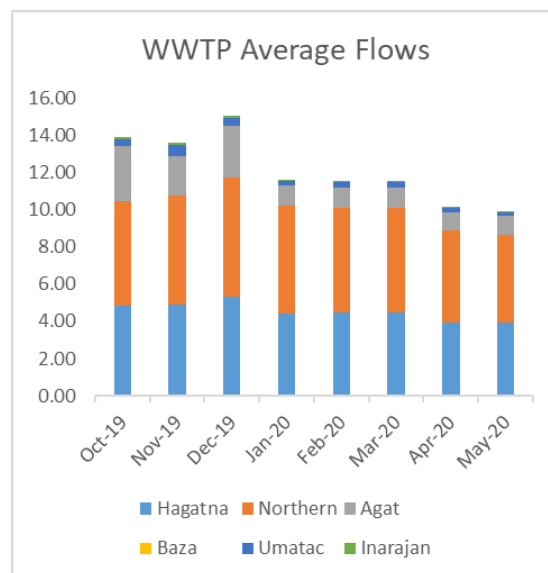
## Wastewater Collections (May 2020)



CCTV work is on hold as part of COVID-19 cost containment at this time.

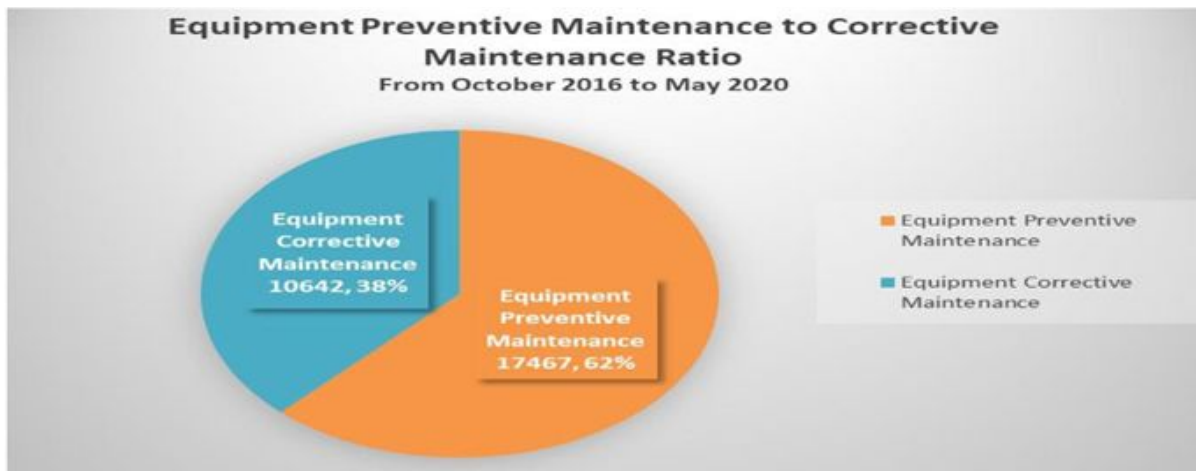
## Wastewater Treatment (May 2020)

Monthly Wastewater Treatment Summary - May 2020				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	3.94	332,840	\$ 29,956
	Northern	4.68	1,097,280	\$ 98,755
	Agat	1.05	61,580	\$ 8,825
	Baza	0		
	Umatac	0.20		
	Inarajan	0.06		
		9.93	1,491,700	\$ 137,536

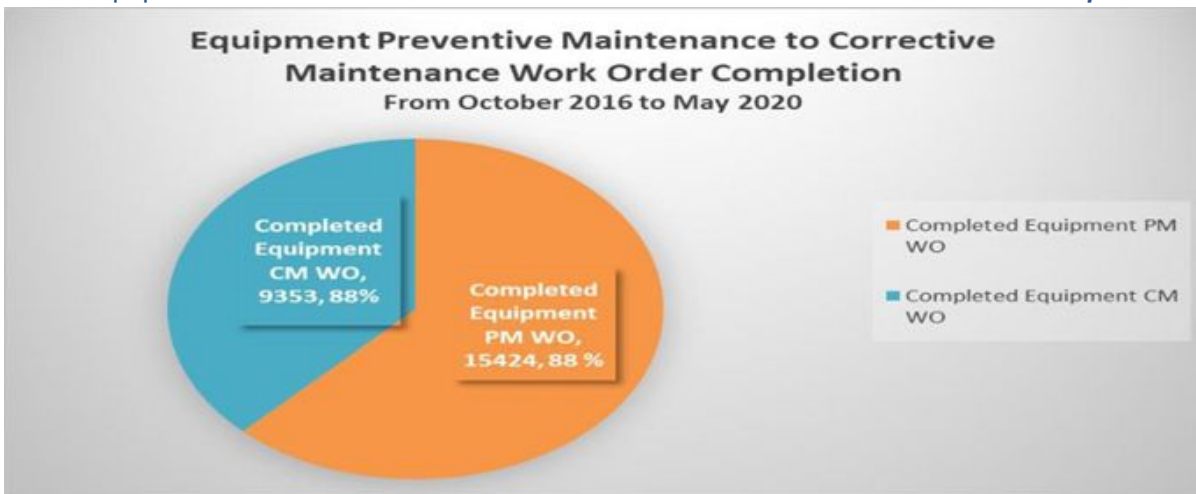


## Asset Management (May 2020)

### I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

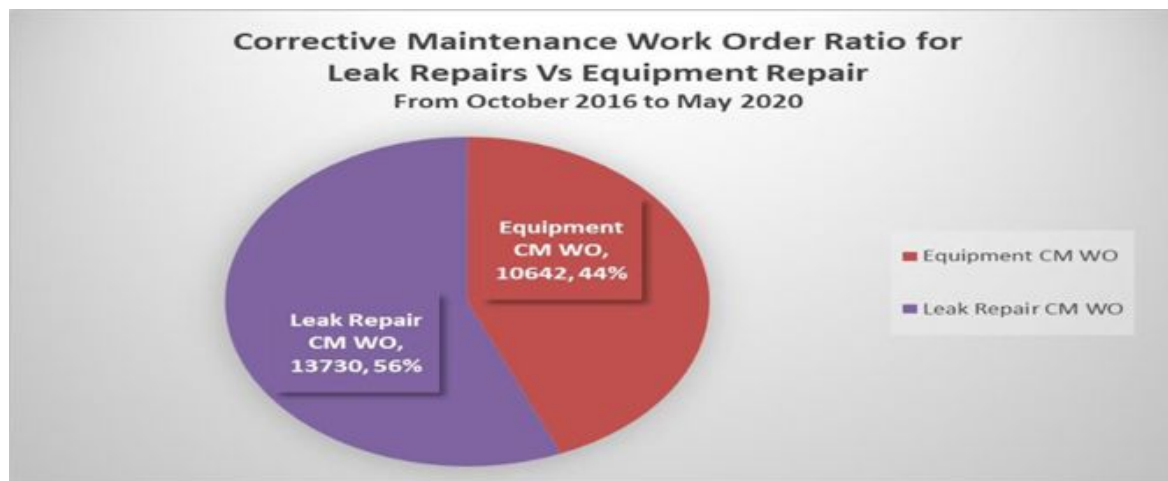


### II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*



Asset Management (May 2020)

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



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



Meters from January 2017 through June 8, 2020

COMPLETED FIELD ACTIVITY JAN 2017 THRU JUNE 08 2020 (POSTED IN CIS)	2017	2018	2019	Jan-20	Feb-20	Mar-20	04/18/20	05/12/20	06/08/20	TOTAL:	COMPLETED FIELD ACTIVITIES (IN PROCESS) TO BE POSTED IN CIS
GWA - Meter Exchange	6487	13353	10850	1079	714	548	117	44	59	33251	0

# OF METERS TESTED AS PER METER TEST FACILITY REPORTS:	6079	12259	9278	749	908	1116	341	662	635	32027
AVG # OF FIELD STAFF PERFORMING CHANGE OUTS (MON THRU FRI):	19	16	7	7	7	7	7	1	1	
# OF ADMIN STAFF TO CREATE AND POST FIELD ACTIVITIES IN CIS:	10	6.3	5	5	5	2	1	1	1	
<b>TOTAL:</b>	<b>29</b>	<b>22</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>9</b>	<b>8</b>	<b>2</b>	<b>2</b>	

\*project suspended effective 04/13/20

REMAINING ACTIVE BADGER LP MODELS TO BE REPLACED AS OF 06/08/20:

462

3/4" BADGER METERS IN STOCK AS OF June 05, 2020:

Size	Meter Description	New Meters Passed	New Meters Untested	Passed Field Meters	MMP	Meters Available
3/4"	METER, Badger AMR 5/8" X 3/4" RCDL Model M25 Disc Meter	309	0	278	0	587
3/4"	METER, Badger AMR 5/8" x 3/4" **WARRANTY** RCDL Model M25	0	0	0	0	0
3/4"	METER,Badger 5/8"x3/4" NSF61-G RCDL M25LL Disc Meter Integral	2	0	3	0	5
3/4"	METER, Badger AMR 5/8" x 3/4" RCDL Model M25 ***RMI***	0	0	0	0	0
3/4"	METER, Badger E-SERIES 5/8"X3/4" ULTRASONIC	960	0	1	0	961



## Backbilling through May 2020

## Guam Waterworks Authority

Collections Report<sup>1</sup> on Accounts Backbilled thru May 31, 2020

For fiscal years 2015 thru 2020 (May)

Accounts Billed			Collection Status											
			Amounts Collected <sup>1</sup>			Amounts Adjusted			Total Uncollected (Active)			Total Uncollected (Inactive)		
FY Billed	No. of Accounts	Amount	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%
FY2015														
FY2016	17	\$ 882	17	\$ 882	100%									
FY2017	537	\$ 397,450	467	298,572	75%	17	22,418	6%	27	51,780	13%	26	24,681	6%
FY2018	1,374	\$ 742,109	1,196	561,928	76%	54	65,585	9%	73	73,152	10%	51	41,444	6%
FY2019	8,324	\$ 3,064,384	7,488	2,431,696	79%	163	141,864	5%	460	378,145	12%	213	112,679	4%
FY2020	1,875	\$ 519,391	1,517	260,081	50%	22	7,764	1%	300	242,101	47%	36	9,446	0%
<b>Total</b>	<b>12,127</b>	<b>\$ 4,724,216</b>	<b>10,685</b>	<b>\$ 3,553,158</b>	<b>75%</b>	<b>256</b>	<b>\$ 237,632</b>	<b>5%</b>	<b>860</b>	<b>\$ 745,178</b>	<b>16%</b>	<b>326</b>	<b>\$ 188,249</b>	<b>4%</b>

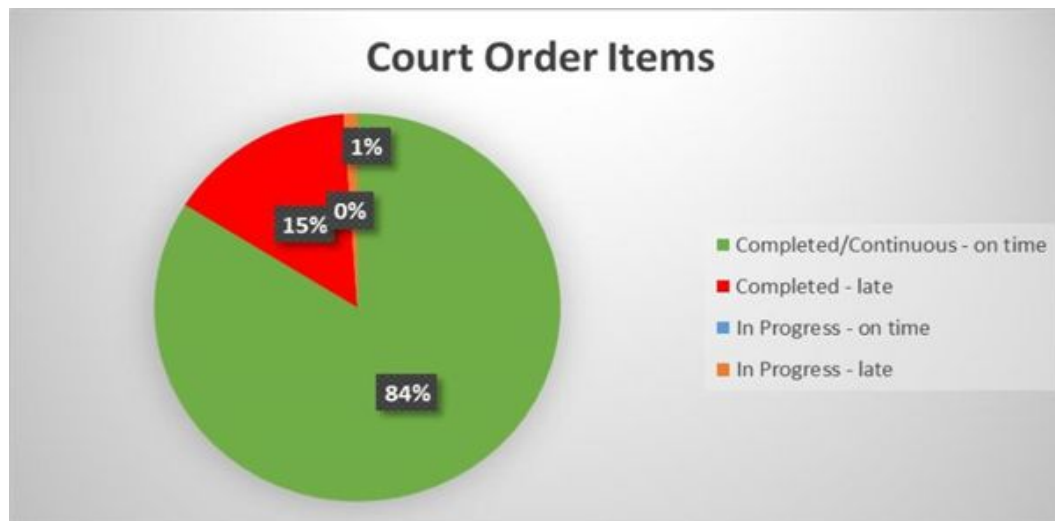
<sup>1</sup> Collections thru June 10, 2020

## One Guam Update (May 2020)

- Tumon Maui Well – Inspection for TMW is scheduled for the beginning of June. A checklist will be used so that both parties agree on what is to be inspected. At the end of the inspection, both GWA and DOD will sign off on the inspection report.
- OEA Projects
  - Observation Wells/NGLA
    - FONSI has been signed by OEA
    - B&C is preparing the bid documents for construction of the new monitoring wells
  - Sewer Interceptor Line
    - CIPP work completed; SMH rehabilitation nearly complete
    - Project closeout is on-going
- Property Transfer
  - BPM1 – NAVFAC Marianas will not be able to clear the title on the property before it is transferred to GWA. If GWA is interested in the property, NAVFAC will start the process to transfer. If GWA is not interested in the property, NAVFAC will start the process to transfer to Government of Guam Ancestral Lands Commission.
  - Transfer of Navy Laterals at Murry Road
    - Approval package under review
- Umatac / Cetti Bay Easement Project
  - DOD requires an extension to the 2008 Conservation and Construction Easement Agreement for Use of Cetti Bay Parcel Lot 275 for approximately 10 years.
  - GWA submitted its requirements for the requested extension to DOD
  - DOD is still reviewing the request.
- America's Water Infrastructure Act – Water Agency Response Network
  - DOD and GWA are looking for opportunities to share resources in times of emergency that is beneficial
- Defense Community Infrastructure Pilot Program (DCIP): Federal funding assistance for shovel ready project is available for projects that can benefit GWA and Military Bases. GWA Planning is preparing the grant package. Navy's CO is interested in the list of projects, GWA will share the finalized list with DOD.

## Court Order Summary (May 2020)

	Total Items	On-time Items Completed / Continuous	In Progress - late	Completed - Late	In Progress - on time	Performance %
Court order total	93	78	1	14	0	98.90%



	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%	
Totals	93	100%	

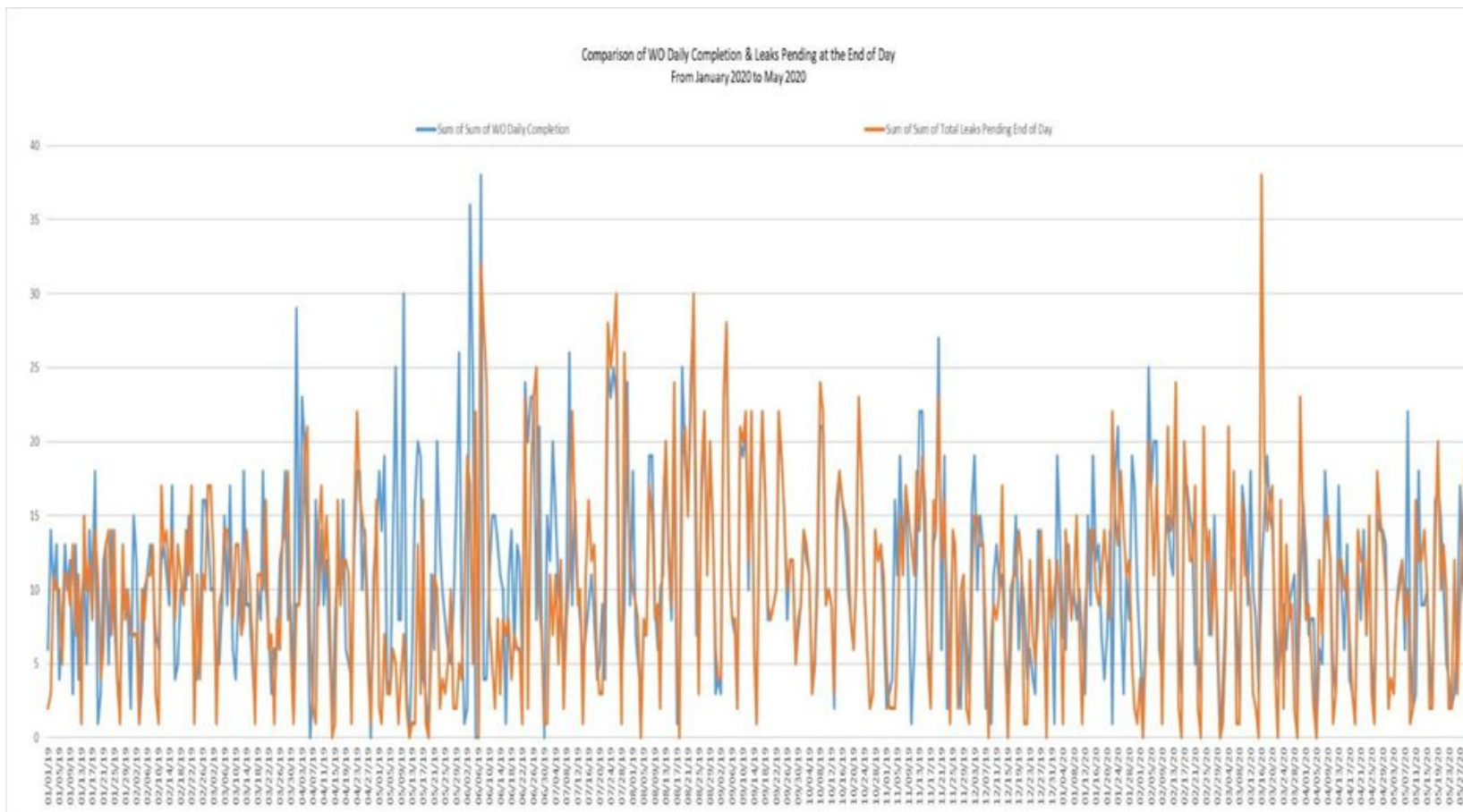
## Court Order – Status Information (May 2020)

- 1 item delayed - The Court Order is down to one item remaining, § II, (C), (29) – Storage tank Repair. Restoration, Replacement or Relocation – which is the item that will take longer than the “end” of the court order. That makes us 98.9% done with the CO.
- Final Date to complete all Court Order items will be delayed past December 31, 2020.
  - CO 29(b) has been expanded by 31% beyond the original Court Order Requirements
  - General Counsel is reviewing filing requirements and content
  - Additional impact from 2020 Bond issuance delay is being assessed
- Overflow or Bypass events reported to USEPA:
  - 05-18-2020 Rt 2A Across Agat 76 gas station Rec#146 WO#20-05-1013 - FOG
  - 05-21-2020 Chalan Binadu Laguna Estates Rec#147 WO#20-05-1232 - Debris
  - 05-24-2020 East O'Brien, Mongmong, OF – FOG
  - 05-31-2020 Ramona Street, Asan MH overflow – Rain.
  - 05-31-2020 Vietnam Veterans Highway, Barrigada, MH overflow – pump station control failure
  - 06-02-2020 Hernan Cortez, Anigua, MH overflow – FOG

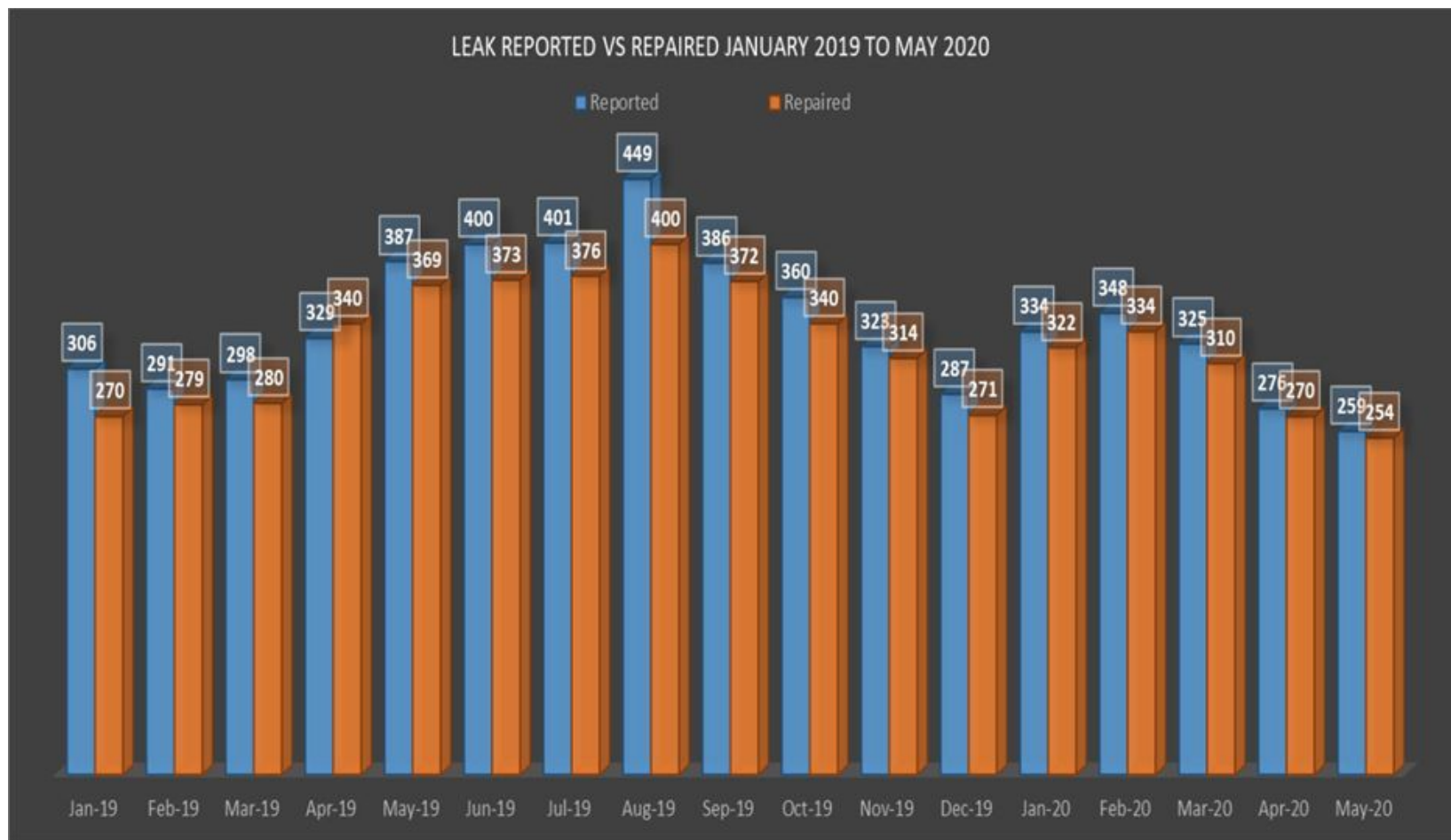
## Land Acquisition Summary (May 2020 – no change in status)

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. Follow up update status request emailed to DLM 05/14/2020.
	Piti	Private	SHPO sect. 106 response received 1/2/20. GEPA Environmental Impact Review received 1/3/20. USFWS Environmental Consultation response received 12/12/19. Environmental Consultation from DOAg Aquatics and wildlife received 3/4/20. Response from DOAg Forestry & soils still pending.
	Airport	Private	Letter of 1 <sup>st</sup> offer to property owner mailed out on May 8, 2020.
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. 3rd follow up sent on 04/10/19. Retracement Survey Property Map filed and recorded at DLM 7/10/19.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19.
Asan Springs	Asan	Federal	Received remaining comments from Federal and GovGuam agencies in regards to Section 106 on 12/16/19. GWA and Designer negotiated on a Revised Change Order No. 2 submitted on 2/26/2020. CO. No. 2 is to address Federal and Local agencies concerns, specifically on developing an Environmental Assessment and performing Biological Survey work. Pending approval for revised CO. No.2 as of 3/3/2020. Negotiations with NPS on a ROW agreement is ongoing.

# Leak Repair Summary (May 2020)



Comparison of Leaks Reported vs. Leaks Repaired (May 2020)



# Monthly Leak Report Cost (May 2020)



## Assumptions:

1. Leak rate = 4 gpm
2. Cost per kgal = \$4.00



**GWA Utility Services Division**  
**Monthly Status Report**  
**Month ending MAY 2020**

FY2020		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	MAY 2020 MONTHLY TOTAL	WEEKLY AVERAGE MAY 2020	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		05/02/20	05/09/20	05/16/20	05/23/20	05/30/20			WEEKLY AVERAGE APR 2020	APR 2020 MONTHLY TOTAL
<b>Collections Activities:</b>										
I.	Number of accounts cut for nonpayment:	0	0	0	0	0	0	0	0	0
II.	Number of accounts restored for nonpayment:	2	0	0	0	0	2	0	0	2
III.	Number of No water reports responded to:	0	0	0	0	0	0	0	0	0
IV.	Number of Secure/Unsecure valve reports responded to:	0	0	0	0	0	0	0	0	0
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:	25	26	22	81	122	276	55	16	81
VII.	Number of active pay plans negotiated and ongoing:	364	339	325	363	443		367	403	
VIII.	Number of inactive accounts with a payment arrangement:	0	0	0	0	0		0	0	
IX.	Number of broken payment plans:	3	28	11	9	16	67	13	28	139
<b>Customer Service Activities (lobby visits):</b>										
<b>A. GBN Public Service Building – Fadian</b>										
i.	Total Customers Assisted:	0	0	110	188	206	504	101	0	0
ii.	Total Abandoned Requests:	0	0	2	1	0	3	1	0	0
iii.	Average Wait Time:	0 minutes	0 minutes	9 minutes	4 minutes	12 minutes		5 minutes	0 minutes	
iv.	Average Service Time:	0 minutes	0 minutes	13 minutes	11 minutes	9 minutes		6.6 minutes	0 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	0	0	45	49	47	141	28	0	0
2.	Restore water cut for non payment:	0	0	0	3	5	8	2	0	0
3.	Terminate Water:	0	0	10	12	14	36	7	0	0
4.	Copy of Bill:	0	0	5	23	25	53	11	0	0
5.	Billing Dispute:	0	0	30	55	65	150	30	0	0
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	0
7.	General Questions & Other:	0	0	18	37	40	95	19	0	0
8.	Report a water leak:	0	0	0	1	1	2	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	0	0	8	8	9	25	5	0	0
<b>B. Julale Satellite Office – Hagatna</b>										
i.	Total Customers Assisted:	0	0	0	0	0	0	0	0	0
ii.	Total Abandoned Requests:	0	0	0	0	0	0	0	0	0
iii.	Average Wait Time:	0 minutes	0 minutes	0 minutes	0 minutes	0 minutes		0 minutes	0 minutes	
iv.	Average Service Time:	0 minutes	0 minutes	0 minutes	0 minutes	0 minutes		0 minutes	0 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	0	0	0	0	0	0	0	0	0
2.	Restore water cut for non payment:	0	0	0	0	0	0	0	0	0
3.	Terminate Water:	0	0	0	0	0	0	0	0	0
4.	Copy of Bill:	0	0	0	0	0	0	0	0	0
5.	Billing Dispute:	0	0	0	0	0	0	0	0	0
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	0
7.	General Questions & Other:	0	0	0	0	0	0	0	0	0
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:	0	0	0	0	0	0	0	0	0
<b>C. Upper Tumon Satellite Office – Upper Tumon</b>										
i.	Total Customers Assisted:	0	0	76	155	203	434	87	0	0
ii.	Total Abandoned Requests:	0	0	5	13	10	28	6	0	0
iii.	Average Wait Time:	0 minutes	0 minutes	9 minutes	4 minutes	6 minutes		3.8 minutes	0 minutes	
iv.	Average Service Time:	0 minutes	0 minutes	18 minutes	16 minutes	15 minutes		9.8 minutes	0 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	0	0	38	61	75	174	35	0	0
2.	Restore water cut for non payment:	0	0	4	6	0	10	2	0	0
3.	Terminate Water:	0	0	11	18	23	52	10	0	0
4.	Copy of Bill:	0	0	7	12	19	38	8	0	0
5.	Billing Dispute:	0	0	19	47	45	111	22	0	0
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	0
7.	General Questions & Other:	0	0	1	9	23	33	7	0	0
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:	0	0	0	8	26	34	7	0	0

GWA Work Session - June 16, 2020 - DIVISION REPORTS

GWA Utility Services Division  
Monthly Status Report  
Month ending MAY 2020

FY2020		WEEK	WEEK	WEEK	WEEK	WEEK	MAY 2020	WEEKLY	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		ENDING:	ENDING:	ENDING:	ENDING:	ENDING:	MONTHLY	AVERAGE	WEEKLY	APR 2020
		05/02/20	05/09/20	05/16/20	05/23/20	05/30/20	TOTAL	MAY 2020	AVERAGE	MONTHLY
		05/02/20	05/09/20	05/16/20	05/23/20	05/30/20	TOTAL	MAY 2020	AVERAGE	MONTHLY
<b>Customer Service Activities (Electronic):</b>										
i.	Emails Received:									
1.	customers@guamwaterworks.org:	166	155	145	129	148	743	149	220	1102
	Request type (email):									
a.	Apply for water:	64	48	50	33	31	226	45	71	353
b.	Terminate Water:	23	36	26	24	22	131	26	37	183
c.	Copy of Bill:	4	3	4	4	5	20	4	4	22
d.	Billing Dispute & follow up:	15	10	11	12	11	59	12	14	72
e.	General Questions & Other:	43	42	43	43	52	223	45	62	308
f.	Report a water leak:	4	5	3	3	7	22	4	3	15
g.	Report water theft:	0	0	0	0	0	0	0	0	1
h.	Online services inquiry:	13	11	8	10	20	62	12	30	148
2.	gwaservesme@guamwaterworks.org (realtors and	0	0	0	0	0	0	0	0	0
ii.	Emails Replied (both):	148	165	167	156	124	760	152	191	954
<b>Call Center Activities:</b>										
i.	Calls Received:	1614	1546	1461	1431	1395	7447	1489	1648	8238
ii.	Calls Immediately Answered:	798	573	731	675	554	3331	666	822	4112
iii.	Calls Abandoned:	76	76	70	72	76	370	74	73	364
iv.	Calls Handled by Voice mail:	809	896	659	684	765	3813	763	770	3848
v.	Average duration of call:	5 minutes	6 minutes	5 minutes	4 minutes	9 minutes		5.8 minutes	4.8 minutes	
vi.	Breakdown by request type:									
1.	Apply/Terminate info:	83	82	37	40	30	272	54	68	338
2.	Automated Telephone Call:	1	1	0	0	0	2	0	0	2
3.	Balance Inquiry:	149	153	85	110	146	643	129	118	592
4.	Call Back:	14	13	19	16	17	79	16	6	29
5.	Dispatch:	20	17	10	24	5	76	15	22	109
6.	Dispute:	4	4	0	0	1	9	2	6	32
7.	Follow-up:	16	20	23	47	41	147	29	20	98
8.	General Questions & Other:	95	90	114	160	106	565	113	178	889
9.	GWA Staff:	12	11	40	45	33	141	28	12	60
10.	No Water:	3	3	4	23	7	40	8	20	99
11.	Online/Phone App Help:	42	48	20	31	28	169	34	80	399
12.	Pay by Phone:	296	229	209	196	140	1070	214	259	1296
13.	Pay Plan:	16	27	20	18	40	121	24	16	82
14.	Restore Non-payment:	2	0	0	0	0	2	0	1	5
15.	Secure/Unsecure Valve:	7	10	17	8	13	55	11	5	25
16.	Voice Mail:	35	42	73	84	122	356	71	9	47
17.	Water leak:	3	6	7	15	10	41	8	6	29
<b>Bill Dispute &amp; Resolution Activities:</b>										
i.	Dispute Resolution:									
1.	Number of disputed accounts resolved:	12	15	22	39	14	102	20	6	32
2.	Number of disputed accounts under review:	2102	2032	2017	2007	2057		2043	2058	
<b>Data Entry of Completed Field work in CIS:</b>										
i.	Document Control:									
1.	Number of field activities posted:	659	426	422	264	311	2082	416	193	964
2.	Number of field activities pending:	810	542	230	286	193	2061	412	1253	6264
<b>Field Response Activities:</b>										
I.	Number of field activities received:	105	64	121	225	194	709	142	99	496
II.	Number of field activities completed:	137	158	110	320	218	943	189	122	612
III.	Number of field activities pending field action:	0	1	1	0	1	3	1	0	0

GWA Work Session - June 16, 2020 - DIVISION REPORTS

GWA Utility Services Division  
 Monthly Status Report  
 Month ending MAY 2020

FY2020 UTILITY SERVICES DIVISION ACTIVITIES		WEEK ENDING: 05/02/20	WEEK ENDING: 05/09/20	WEEK ENDING: 05/16/20	WEEK ENDING: 05/23/20	WEEK ENDING: 05/30/20	MAY 2020 MONTHLY TOTAL	WEEKLY AVERAGE MAY 2020	PREVIOUS MONTH	
									WEEKLY AVERAGE	APR 2020
									APR 2020	TOTAL
<b>Meter Reading Activities:</b>										
I. Number of meters read:										
A. Electronically Read Meters:										
B. Manually Read Meters:										
i. Unread meters (Meters scheduled to be read but not read):										
ii. Number of data logs received:										
iii. Number of data logs retrieved:										
iv. Number of data logs pending field action:										
v. Communication Errors/Reprogramming requests:										
vi. Number of estimated readings (for the week):										
vii. Reasons for Estimations:										
1. Cant locate meter:										
2. Temporary Obstruction:										
3. Vicious Dog:										
4. Flooded meter:										
5. Corrective action to database requested:										
6. Possible changed out meter:										
7. Communication/Programming error (code 92's):										
8. Other:										
a. Leaks detected on customer's private line:										
b. Reverse Flow Detected:										
c. No Usage Detected:										
d. Tamper Code:										
C. Electronic Read Percentage:										
<b>Illegal Connection &amp; Unauthorized Use of Water Activities:</b>										
I. Number of Inactive Still Consuming Reports rec'd & investigated:										
II. Number of Illegal Connection reports rec'd & investigated:										



## **Engineering Monthly Report June 2020**

**Prepared By:  
Brett E. Railey, P.E., Acting Chief Engineer**

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## A. Summary Table of 2010, 2013 and 2016 Bond

### Potable Water

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
PW 05-01	Ground Water Disinfection	\$ 500,000.00	93.00%	7.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ -	N/A	N/A	\$ 100,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-05	*A Series Well Transmission Line	\$ 475,709.00	100.00%	0.00%	\$ 369,846.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	\$ 500,000.00	100.00%	0.00%	\$ 1,679,964.00	99.22%	0.78%	\$ -	N/A	N/A
PW 05-07	Meter Replacement Program	\$ 10,450,000.00	97.43%	2.57%	\$ 996,532.00	85.75%	14.25%	\$ 1,400,000.00	100.00%	0.00%
PW 05-08	Barrigada Tank Repair/Replacement	\$ 5,450,000.00	99.16%	0.84%	\$ 4,987,000.00	96.17%	3.83%	\$ -	N/A	N/A
PW 05-09	Leak Detection	\$ 200,000.00	8.52%	91.48%	\$ 16,916.00	0.00%	100.00%	\$ 100,000.00	0.00%	100.00%
PW 05-10	Potable Water System Planning	\$ 210,487.45	100.00%	0.00%	\$ 624,000.00	100.00%	0.00%	\$ 876,294.00	100.00%	0.00%
PW 05-11	Implement Ground Water Rule	\$ 1,699,999.00	100.00%	0.00%	\$ 1,000,000.00	98.18%	1.82%	\$ -	N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	\$ 1,900,000.00	19.71%	80.29%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	\$ 548,000.00	73.73%	26.27%	\$ 200,000.00	100.00%	0.00%	\$ 250,000.00	44.01%	55.99%
PW 05-14	New Deep Wells at Down n Hard	\$ 485,743.00	100.00%	0.00%	\$ -	N/A	N/A	\$ 1,190,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	\$ 1,100,000.00	53.75%	46.25%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-16	Master Meters	\$ 1,489,957.00	100.00%	0.00%	\$ 712,060.00	92.29%	7.71%	\$ 2,151,539.00	7.04%	92.96%
PW 09-01	Ugum Water Treatment Plant Intake	\$ 700,000.00	87.19%	12.81%	\$ 859,801.00	42.88%	57.12%	\$ -	N/A	N/A
PW 09-02	Water Wells	\$ -	N/A	N/A	\$ 3,030,029.00	53.03%	46.97%	\$ 2,500,000.00	8.39%	91.61%
PW 09-03	Water Distribution System	\$ 3,174,748.00	100.00%	0.00%	\$ 10,912,453.00	95.87%	4.13%	\$ -	N/A	N/A
PW 09-04	Pressure Zone Reassignment	\$ -	N/A	N/A	\$ 337,110.00	100.00%	0.00%	\$ 1,141,000.00	100.00%	0.00%
PW 09-06	Central Water Distribution System 2005	\$ 775,002.00	91.49%	8.51%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	\$ 1,200,000.00	100.00%	0.00%	\$ 426,799.00	98.71%	1.29%	\$ -	N/A	N/A
PW 09-09	Water Reservoir Internal/External	\$ 2,150,000.00	98.11%	1.89%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ 800,000.00	100.00%	0.00%
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 1,050,000.00	100.00%	0.00%	\$ 13,878,000.00	99.68%	0.32%	\$ 58,830,170.00	90.32%	9.68%
PW 11-01	Distribution System Upgrades	\$ 474,160.00	94.70%	5.30%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 78,459.00	19.16%	80.84%	\$ -	N/A	N/A	\$ 550,000.00	18.59%	81.41%
PW 12-02	Production Plan / Reduce Navy Purchases	\$ 100,000.00	99.90%	0.10%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	\$ 500,000.00	98.37%	1.63%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	\$ 4,700,000.00	98.88%	1.12%	\$ 1,330,287.00	100.00%	0.00%	\$ 1,220,000.00	100.00%	0.00%
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbol #1	\$ 1,848,013.00	99.72%	0.28%	\$ 11,605,000.00	100.00%	0.00%	\$ 1,822,133.00	100.00%	0.00%
PW 12-06	Tank Replacement Pili & Hyundai	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ 7,300,000.00	100.00%	0.00%
PW 12-07	Assessment of Majloj Elevated & Yigo Elevated	\$ 200,000.00	100.00%	0.00%	\$ 485,117.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	\$ 100,000.00	78.39%	21.61%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	\$ 50,000.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ 1,200,000.00	99.70%	0.30%
		\$ 42,110,277.45			\$ 53,550,914.00			\$ 81,331,136.00		

### Wastewater

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
WW 05-04	Wastewater System Planning	\$ 1,492,857.19	100.00%	0.00%	\$ 650,901.00	84.61%	15.39%	\$ 312,983.00	100.00%	0.00%
WW 05-05	Wastewater Vehicles	\$ 235,000.00	89.27%	10.73%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ 457,981.68	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ -	N/A	N/A	\$ 563,148.00	96.89%	3.11%	\$ 1,714,755.00	19.97%	80.03%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,001,323.00	90.32%	9.68%	\$ 732,358.36	88.82%	11.18%	\$ 1,055,478.00	37.16%	62.84%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ 1,250,000.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ 899,630.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	\$ 1,488,378.00	97.11%	2.89%	\$ 9,656,874.00	96.51%	3.49%	\$ 25,048,522.50	90.16%	9.84%
WW 11-04	Facilities Plan/Design for Unatac-Merizo WWTP	\$ 853,858.00	100.00%	0.00%	\$ 371,699.00	100.00%	0.00%	\$ 252,105.00	100.00%	0.00%
WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,217,700.00	99.94%	0.06%	\$ 67,200,000.00	99.60%	0.40%	\$ 2,226,659.06	89.93%	10.07%
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ 11,743,514.00	98.75%	1.25%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	\$ 200,000.00	81.04%	18.96%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ 11,300,000.00	99.63%	0.37%	\$ 718,075.68	100.00%	0.00%	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ 800,000.00	99.87%	0.13%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ 850,000.00	93.36%	6.64%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-07	Unatac Merizo Replacement	\$ 250,000.00	99.21%	0.79%	\$ -	N/A	N/A	\$ 20,952,871.63	99.93%	0.07%
WW 12-08	Wastewater System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-09	Wastewater Facility Back Up Power	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-10	Wastewater System Asset Inventory	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-01	Wastewater Sewer System Expansion	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-02	Northern District WWTP Secondary Treatment Upgrade	\$ 948,250.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
		\$ 35,988,491.87			\$ 79,893,056.04			\$ 51,563,374.19		

## Electrical Engineering Support

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
EE 05-02	SCADA Pilot Project	\$ 61,950.00	31.98%	68.02%	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-01	Wastewater Pumping Station Electrical Upgrade	\$ -	N/A	N/A	\$ 99,861.00	100.00%	0.00%	\$ -	N/A	N/A
EE 09-02	Electrical Upgrade - Water Wells	\$ 354,227.00	100.00%	0.00%	\$ 1,500,000.00	99.31%	0.69%	\$ -	N/A	N/A
EE 09-03	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-04	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ 977.00	100.00%	0.00%	\$ -	N/A	N/A
EE 09-05	Electrical Upgrade - Other Water	\$ -	N/A	N/A	\$ 60,700.00	100.00%	0.00%	\$ -	N/A	N/A
EE 09-06	SCADA Improvements - Phase 1	\$ 250,000.00	83.80%	16.20%	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-07	SCADA Improvements - Phase 2	\$ 1,056,986.00	97.77%	2.23%	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-08	SCADA Improvements - Phase 3	\$ 74,955.00	100.00%	0.00%	\$ 722,359.00	95.33%	4.67%	\$ 1,077,497.00	48.86%	51.14%
EE 09-09	SCADA Improvements - Phase 4	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ 4,378,118.00	72.87%	27.13%
		\$ 1,798,118.00			\$ 2,383,897.00			\$ 5,455,615.00		

## Miscellaneous Engineering Support

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
MC 05-01	Laboratory Modernization	\$ -	N/A	N/A	\$ 1,171,465.00	99.95%	0.05%	\$ 1,127,000.00	100.00%	0.00%
MC 05-02	Land Survey	\$ 499,688.00	95.28%	4.72%	\$ 1,052.00	100.05%	-0.05%	\$ 1,260,524.00	99.35%	0.65%
MC 09-01	General Plant Improvements	\$ 7,241,000.00	99.46%	0.54%	\$ 2,441,737.00	93.27%	6.73%	\$ 1,543,760.00	96.97%	3.03%
MC 15-01	Information Technology Intergration Improvements	\$ -			\$ -			\$ 500,000.00	49.24%	50.76%
		\$ 7,740,688.00			\$ 3,614,254.00			\$ 4,431,284.00		

	2010 Bond Allotment
CIP Water	\$ 42,110,277
CIP Wastewater	\$ 35,988,492
CIP Electrical	\$ 1,798,118
CIP Miscellaneous	\$ 7,740,688
	\$ 87,637,575

	2013 Bond Allotment
	\$ 53,550,914
	\$ 79,893,056
	\$ 2,383,897
	\$ 3,614,254
	\$ 139,442,121

	2016 Bond Allotment
	\$ 81,331,136
	\$ 51,563,374
	\$ 5,455,615
	\$ 4,431,284
	\$ 142,781,409

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	\$87.402	112 **	\$83.541	95.58%	8.95
2013	\$139.325	75 **	\$136.483	97.96%	21.84
2015	\$140.019	45	\$90.326	64.51%	24.09

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

\*\* - Includes month of May 2020

## **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> <b>USEPA</b>	<b>Design of Dungca Beach Sewer Relocation</b>	
<70% Complete	<b>Activities/Notes:</b> Project was advertised on June 9, 2020. RFP proposals are due on July 7, 2020.	
Project Description:	The work performed under this project procurement shall consist of replacement of a sewer main located along the shores of Dungca Beach, from the Bayside Sewer Pump Station (SPS) to an area north of Lagoon Drive. The new sewer main shall be located within the public right of way along Trankilo Road and Lagoon.	

<b>BID PACKAGE</b> WW 09-06	<b>Bayside Sewer Pump Station Improvements Project</b>	
100% Complete	<b>Activities/Notes:</b> Contract was approved on June 4, 2020. NTP issued on June 9, 2020.	
Project Description:	Work to be performed under this project shall consist of converting existing facility to pump station to house two submersible pumps along with improvements to the electrical system and the relocation of a power transformer located near the facility out to the nearest GPA power pole.	

<b>BID PACKAGE</b> <b>USEPA</b>	<b>Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement – Phase II</b>	
70% Complete	<b>Activities/Notes:</b> Bid package sent to Legal Counsel for review on June 9, 2020.	
Project Description:	Work to be performed under this project shall consist of cleaning and rehabilitating existing 16-inch, 24-inch and 27-inch diameter gravity sewer lines with cured-in-place pipe (CIPP) liner, reinstating sewer laterals after CIPP rehabilitation is complete, replacing sewer manhole concrete collars, and providing temporary bypassing and traffic control as necessary to complete the rehabilitation work.	

<b>BID PACKAGE</b> USEPA-SRF	<b>Groundwater Wells A-02, A-07, A-12, D-05 and F-03 Rehabilitation</b>	
70% Complete	<b>Activities/Notes:</b> No bid was submitted on December 13, 2019. Design consultant is revising the bid documents for re-bid of the project.	
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><u>BID PACKAGE</u></b> OEA GRANT	<b>Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant (NDWTP) to Secondary Treatment (Re-Bid)</b>	
90% Complete	<b>Activities/Notes:</b> Contract was approved on June 5. NTP issued on June 10, 2020.	
Project Description:	Work to be performed under this project consist of approximately 2,000 LF at a depth of 140 feet ocean-installation of an outfall diffuser.	

<b><u>BID PACKAGE</u></b> OEA GRANT	<b>Northern Guam Lens Aquifer (NGLA) Monitoring System Expansion Project for the Guam Water and Wastewater Infrastructure Improvements Program</b>	
60% Complete	<b>Activities/Notes:</b> Bid documents are being reviewed.	
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.	

<b><u>BID PACKAGE</u></b> OEA GRANT	<b>Northern Guam Lens Aquifer (NGLA) Monitoring System Rehabilitation Project for the Guam Water and Wastewater Infrastructure Improvements Program</b>	
60% Complete	<b>Activities/Notes:</b> Bid documents are being reviewed.	
Project Description:	Work to be performed under this project consist of rehabilitation of ten existing monitoring wells located on GovGuam or private property. Upon construction completion, all wells will be used to monitor water level and other groundwater characteristics of the NGLA.	

**BOX KEY FOR PROJECT:**

<b><u>(Type of Project)</u></b> (Relevant CIP NO.)	<b><u>(Project Title)</u></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><u>INSPECTION</u></b> CIP 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
75% Complete	<b>Activities/Notes:</b> Remaining work is construction management services for the Tank Repair and Bypass Construction. Meeting conducted with DCA to discuss CM plan for the Tank Repair/bypass construction project.	<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><u>DESIGN</u></b> CIP 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 meet system head requirements.	

<b><u>DESIGN</u></b> PW 09-11	<b>Northern and Southern Guam Reservoir Design (TG Engineers)</b>	<b>Start Date:</b> May 2015
74% Complete	<b>Activities/Notes:</b> <u>Ugum Reservoir</u> Design is at approximately 50%. GWA and TGE is clarifying SCADA scope. TGE has submitted a change order for additional foundation design and meeting extension. Change order comments have been submitted to TGE. Biological Assessment report pending. Archaeological report completed.  <u>Inarajan and Agfayan Booster Pump Station</u> Meeting needs to be scheduled with GFD to discuss fire flow requirement before pumps can be sized for both sites. GWA called GFD to schedule, but no answer. GWA will follow up with GFD. Biological Assessment and Archaeological report are pending.  <u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update.	<b>Completion Date:</b> None. (Expected 6 months after Agfayan property issue is resolved)

CO 29 (b)(4)	Engineering design services	
Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Ugum, Santa Rita, Santa Rosa, Inarajan and Sinifa.	

<b>DESIGN</b> PW 12-04	<b>Central Guam Reservoirs Design (GHD Inc.)</b>	<b>Start Date:</b> May 2015
<b>88% Complete</b>	<b>Activities/Notes:</b>  <u>Tamuning No. 2 Reservoir and Tamuning Booster Pump Station</u> Design is at approximately 60%. Per Bobbie, property acquisition letter for Lot 1, Block 5, Tract 1427 has been signed by GM. <b>Letter sent to property owner. GWA is waiting for a response on the land purchase.</b>  <u>Manenggon Reservoir and Access Booster Pump Station</u> Design is at 100% pre-final. Designer is performing QC checks before submitting to GWA for review. Biological Assessment report completed. Archaeological report completed.  <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. GWA has not submitted the Right of Way application to National Parks Services yet. GWA is waiting for Dept. of Agriculture consultation response letter before applying. Biological Assessment report has been completed. Archaeological report is pending. <b>DCA is wrapping up the structural repair plans. After plans have been completed, GWA will have the Tank Repair/Bypass contractor price out the work.</b>  <u>A23-A25 Deepwell (PFAS Treatment)</u> Water sampling test results received. Designer is working on finalizing site layout for A-23. Biological assessment will be scheduled for the sites. Layout sent to DPW for review and approval. DOI has approved grant funding transfer to this project.	<b>Completion Date:</b> <b>TBD</b>

	<u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon No. 1, Hyundai, Chaot No. 2 Reservoir Construction for update.	
CO 29 (b)(4)	Engineering design services	
Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti & Tumon #1.	

<b><u>DESIGN</u></b> PW 09-03	<b>ID/IQ for Professional Civil/Structural Services</b> <b>Task 1 – Tai Road/S-13 and Toto-Canada Road/Blas Street Waterline Replacement</b>	<b>Start Date:</b> January 20, 2020
60% Complete	<b>Activities/Notes:</b> Design consultant submitted the 60% design work for GWA review and comment on May 1, 2020.	<b>Completion Date:</b> December 30, 2020
Project Description:	The project is intended to replace existing water main approximately 4,500 LF along Toto-Canada Road; 3,200 LF along Tai Road; 800 LF along S-13 Road; and 900 LF along Blas Street.	

<b><u>CONSTRUCTION</u></b> PW 09-03	<b>Line Replacement Phase IV (Giant Construction)</b>	<b>Start Date:</b> February 14, 2016
98% Complete	<b>Activities/Notes:</b> Connection of new pipes to the existing waterline at Hahasu and Famha has been completed. Contractor applied for building permit for Assumption Drive.	<b>Completion Date:</b> April 30, 2020
	Construction Services	
Project Description:	The project is intended to replace existing water lines that have been found by operations to be leaking and/or are causing service delivery to less than what GWA is required to provide. The project will replace water mains at ten known locations throughout the island and a component within the bid where line replacement work for unknown locations is accounted for.	

<b>DESIGN</b> PW 05-15	<b>Asan Spring Rehabilitation Design (HDR)</b>	<b>Start Date:</b> August 24, 2016
82% Complete	<b>Activities/Notes:</b> A CO no.2 has been routed to Finance for signature and pending GM's approval. The purpose for CO no.2 is to address the potential endangered species that may be located on the project site.	<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> Astumbo #1 (New Concrete): Contractor remaining work items include testing of instrumentation and electrical upgrade work. Electrical work is pending DPW permit. Follow up has been made by the Contractor to Pernix via email. <b>Inspection was conducted 06/04/2020 for Astumbo site. Contractor still has pending items to address.</b>	<b>Completion Date:</b> October 31, 2018 (LD are being totaled)
	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.
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<b>CONSTRUCTION MANAGEMENT</b> PW 09-11, PW 12-05	<b>Yigo/Astumbo Tank Construction Management (GHD)</b>	<b>Start Date:</b> December 2016
99% complete	<b>Activities/Notes:</b> Working to complete project close out requirements but due to additional time required by contractor the CM services required as well. GWA executed Change Order after CCU approval.	<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
80% complete	<b>Activities/Notes:</b> <u>Tumon No. 1</u> Contractor working on water line at Marine Drive, control building, and site vaults. Marine Drive HEP expired 05/03/2020. DPW has stopped AIC from working on the road. GWA operations is investigating how to secure 24 in. line for the contractor to connect new lines. But as 06/15/2020, AIC received confirmation from DPW that HEP permit is approved for 3 months extension.  <u>Hyundai</u> Contractor working on booster pump station, vaults, tank. DN Tanks was able to get shotcrete and prestressing team on island this week. Work stopped on 05/21/2020 on North Sabana Road. DPW inspector instructed AIC to stop work pending release of permit renewal. But as of 06/15/2020, AIC received confirmation from DPW that HEP permit is approved for 3 months extension.	<b>Completion Date:</b> None.

	<p><u>Chaot No. 2</u> Contractor working on site vaults, PRV and well work. Tank inspection scheduled for 06/05/2020. Dero Road PRV in service. Stage area HEP expired 05/31/2020. Dero Road HEP expired 05/18/2020. Well HEP will expire 12/17/2020.</p> <p>DPW visited Dero Road jobsite on 05/25/20. Stop work order was issued by DPW, effective 05/31/2020. After the migration to the new PRV (05/28/20), AIC contacted DPW inspector to inform him of the unstable roadway due to the excavation for the new waterline. DPW inspector allowed AIC to proceed with only road restoration; however, no further excavation was allowed. Road restoration was completed on 06/11/20.</p> <p>As of 06/15/2020, AIC received confirmation from DPW that HEP permit is approved for 3 months extension. We can now proceed with the connection from the tank distribution line to the Leo Palace line at Dero Road.</p>	
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

<b>CONSTRUCTION</b> PW 12-04, PW 12-06 AND PW 09-11	<b>Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction (AIC)</b>	<b>Start Date:</b> February 8, 2018
80% Complete	<p><b>Activities/Notes:</b> <u>Tumon No. 1</u> Contractor working on water line at Marine Drive, control building, and site vaults. Marine Drive HEP expired 05/03/2020. DPW has stopped AIC from working on the road. GWA operations is investigating how to secure 24 in. line for the contractor to connect new lines. But as 06/15/2020, AIC received confirmation from DPW that HEP permit is approved for 3 months extension.</p> <p><u>Hyundai</u> Contractor working on booster pump station, vaults, tank. DN Tanks was able to get shotcrete and prestressing team on island this week. Work stopped on 05/21/2020 on North Sabana Road. DPW inspector instructed AIC to stop work pending release of permit renewal.</p>	<p><b>Completion Date:</b> TBD (Completion date has passed. Pending time extension for permit delays.)</p>



	<p>But as of 06/15/2020, AIC received confirmation from DPW that HEP permit is approved for 3 months extension.</p> <p><u>Chaot No. 2</u> Contractor working on site vaults, PRV and well work. Tank inspection scheduled for 06/05/2020. Dero Road PRV in service. Stage area HEP expired 05/31/2020. Dero Road HEP expired 05/18/2020. Well HEP will expire 12/17/2020.</p> <p>DPW visited Dero Road jobsite on 05/25/20. Stop work order was issued by DPW, effective 05/31/2020. After the migration to the new PRV (05/28/20), AIC contacted DPW inspector to inform him of the unstable roadway due to the excavation for the new waterline. DPW inspector allowed AIC to proceed with only road restoration; however, no further excavation was allowed. Road restoration was completed on 06/11/20.</p> <p>As of 06/15/2020, AIC received confirmation from DPW that HEP permit is approved for 3 months extension. We can now proceed with the connection from the tank distribution line to the Leo Palace line at Dero Road.</p>	
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

<b>CONSTRUCTION MANAGEMENT</b> PW 09-11	<b>Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)</b>	<b>Start Date:</b> April 2018
0% Complete	<b>Activities/Notes:</b> NTP issued October 3, 2019. Pending permits with SHPO, GEPA and DPW. GWA is waiting on designer - TGE to provide archaeological port for Sinifa site. The remaining sites are still under review by SHPO. SHPO has responded on two sites. TGE/Search must address SHPO's comments. Stop order was issued for the CM until contract extension and fee negotiation. GWA has provided comments on 06/03/2020 to GHD regarding change order proposal. GWA coordinating RFI reviews with EOR.	<b>Completion Date:</b> TBD (currently February 21, 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: 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.
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<b>CONSTRUCTION</b> PW 09-11	<b>Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction (AIC)</b>	<b>Start Date:</b> October 2019
0% Complete	<b>Activities/Notes:</b> NTP issued October 3, 2019. Pending permits with SHPO, GEPA, and DPW.	<b>Completion Date:</b> TBD
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

<b>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 1 - 100% (Design)  Phase 2 - 30% (Design)	<b>Activities/Notes:</b> Designer is working on Phase II sites. Phase II sites approximately 30% complete. Ops has provided field investigation data for Phase II sites.	<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>CONSTRUCTION</b>	<b>Pressure Zone Realignment and Tank Repair-Replacement – Phase I (Sumitomo)</b>	<b>Start Date:</b> December 17, 2019 (Notification of Award)
0% Complete	<b>Activities/Notes:</b> Construction contract effective April 21, 2020. NTP issued May 1, 2020 with modified language for work starting onsite. Pre-construction meeting tentatively scheduled for Monday, May 11, 2020, at 9:00am. GWA reviewing submittals submitted by SMCC on week of May 4, 2020.	<b>Completion Date:</b> April 21, 2021
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.
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<b><u>DESIGN, CONSTRUCTION, CONSTRUCTION MANAGEMENT</u></b> PW 09-11	<b>Tank Repair and Bypass (DCA, AIC, GWA)</b>	<b>Start Date:</b> May 1, 2020
0% Complete	<b>Activities/Notes:</b> Construction contract effective April 21, 2020. NTP issued May 1, 2020 with modified language for work starting onsite. Pre-Construction Meeting conducted. AIC has submitted permit to DPW. AIC, GWA, and DCA have been progressing with submittals and RFIs.	<b>Completion Date:</b>
Project Description:	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><u>DESIGN</u></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> Design plans and specs are expected to be submitted by GHD on the week of May 18, 2020.	<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><u>CONSTRUCTION</u></b> PW 14-01	<b>Fire Hydrant Replacement Phase I (Mega United Corporation, Ltd.)</b>	<b>Start Date:</b> October 19, 2019
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0% Complete	<b>Activities/Notes:</b> DPR already signed the permit first week of March but still needs permit approval with other agencies and Mayor's Offices. The customer service for clearances of highway encroachment permit was temporarily suspended due to Covid-19. We can resume the permit processing once the operation is back to normal.  Some of the materials ordered off island already arrived.	<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
1% Complete	<b>Activities/Notes:</b> - Received/reviewed 109 submittals items, 96 items approved, 13 items to be resubmitted for approval. - Pre-construction meeting held on May 13. - Contractor obtaining permits.	<b>Completion Date:</b> June 28, 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.	

### D. CIP Wastewater Section

<b>DESIGN</b> WW 09-06	<b>Bayside SPS Improvements Design (EMPSCO)</b>	<b>Start Date:</b> July 29, 2016
100% Design 0% Construction Services	<b>Activities/Notes:</b> Construction Contract Agreement were reviewed by Legal and signed by General Manager. NTP will be issued.	<b>Completion Date:</b> TBD
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>Baza Gardens Cross Island Road Sewer</b>	<b>Start Date:</b>
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WW 09-08, WW 11-03	<b>Conveyance Construction Phase III (Sumitomo Construction)</b>	June 2017
100% Complete	<b>Activities/Notes:</b> Continue working with the project close out documents including warranties, O & M, Asset Management and final Change Order.	<b>Completion Date:</b> <b>May 21, 2019</b>
CO #3	Construction services	
Project Description:	The work performed under this project consist of construction of, but not limited to, 10,481' of force mains and sewer pump station at existing WWTP, equalization tanks, stand-by generator, improved headworks, grit removal system, and associated equipment.	

<b>CONSTRUCTION</b> WW 11-04	<b>Umatac-Merizo WWTP Design Build Improvements Project (CoreTech)</b>	<b>Start Date:</b> June 2017
100% Design <b>100%</b> Construction	<b>Activities/Notes:</b> - Final SCADA adjustment not yet made. Otherwise deficiencies completed.	<b>Completion Date:</b> January 6, 2020
	Construction services	
Project Description:	The project is intended to improve the aeration basin, construct a new sewer pump station, regrade the overland field, construct a new effluent storage tank and disinfection facility. The overland percolation terraces are being regraded to ensure appropriate distribution of effluent through the entire terrace.	

<b>CONSTRUCTION MANAGEMENT</b> WW 11-04	<b>Umatac-Merizo WWTP Design Build Improvements Project (SSFM Inc)</b>	<b>Start Date:</b> September 7, 2017
100% Complete	<b>Activities/Notes:</b> CM checked As-Built drawings and made comments. Final payment submitted to GWA.	<b>Completion Date:</b> January 2020
	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the improvements works at the aeration basin, new sewer pump station, overland field improvements, effluent storage tank. The overall goal of the On-Site Representative is to ensure materials are installed and installation conforms to the contract plans and specifications and that all required testing is performed and passes.	

**E. CIP Engineering Support**

<b><u>DESIGN</u></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) 81% Services during construction	<b>Activities/Notes:</b> Continue attending progress meetings. On standby to address any questions for DOR.	<b>Completion Date:</b> November 2017 - Design December 31, 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.	

<b><u>CONSTRUCTION</u></b> EE 09-08, EE 09-09	<b>SCADA Phase A1 Construction (G4S Security)</b>	<b>Start Date:</b> July 13, 2018
43% Construction	<b>Activities/Notes:</b> Based on legal counsel negotiation; all physical work will end on June 12, 2020. Further negotiation and settlement process to follow. Tolling agreement was executed between G4S and GWA waiving deadline restrictions from June 1, 2020 to June 19, 2020. No progress payment was received.	<b>Completion Date:</b> December 31, 2019
	Construction services	
Project Description:	The work performed under this project procurement shall consist of Construction of SCADA ready instrumentation at several water and wastewater facilities throughout the island.	

<b><u>CONSTRUCTION MANAGEMENT</u></b> EE 09-08, EE 09-09	<b>SCADA Phase A1 Construction Management (GHD)</b>	<b>Start Date:</b> July 13, 2018
89% Complete	<b>Activities/Notes:</b> Continuing to provide submittal review, claims, and closeout support due to Contractor's delays.	<b>Completion Date:</b> May 31, 2020
	Construction Management services	

Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the installation SCADA ready instrumentation at several water and wastewater facilities throughout the island. 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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## **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> Map regarding Airport Tank easement boundary is pending easement agreement with GIAA and final parceling map.	<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 set of land registration maps (5): DCA performing field survey.  First 2 land registration maps in GWA review process.	<b>Completion Date:</b> December 2019 - Request for extension sent to GM 10/29/2019 – due to myriad of reasons, 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 2020

Description	2020												TOTAL
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Building Permit	23	22	23	1	0								69
Occupancy Permit	6	31	25	1	32								63
New Installation	4	17	15	0	9								36
Sewer Application	0	1	4	0	1								5
Sewer Inspection	0	0	1	0	2								1
Private Utility Acceptance	0	0	0	0	0								0
Relocation of Water Meter	0	2	0	0	0								2
Tapping-Water	1	5	3	0	0								9
Tapping-Sewer	1	5	3	0	0								9
Clearance-Water	14	10	20	12	17								56
Clearance-Sewer	14	10	20	12	17								56
Highway Encroachment	36	5	20	0	30								61
Verification of Utilities	6	6	1	1	1								14
Fire Flow Test	0	3	0	0	0								3
Schedule Water Outage	0	0	0	0	0								0

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




## **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 project active.

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

GWA Work Session - June 16, 2020 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 06/15/2020
3	Asan-Adelup-Hagatna RT1 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. Working with CM to review CCTV, submittals as requested, and any variance requests. Also, Archaeological monitoring through HDR contract. HDR CO for archaeological monitoring and additional construction services approved by GWA. This CO will include design services for Phase 2 (Adelup to Hagatna).
			Construction	2	11/9/2018	3/8/2020	\$6,275,782.88	InfraTech	InfraTech (via Allied Trenchless) completed Cleaning/CCTV for areas they were able to access. Contractor working on point repairs. Replacement of three manholes completed. Installed new 16-inch main replacing 12-inch main. Working on point repair near bridge. Contractor working on revising TCP for section crossing over to pump station to satisfy DPW to prevent closing down to one lane in both directions. Ongoing while other work is being done. CO3 for additional cleaning, abatement of 14" AC pipe, additional time and cost for traffic control signed approved by GWA.
			Construction (Phase 2)				\$4,000,000.00		Pre-solicitation notice issued. Contract package (Adelup to Hagatna) submitted by BC for advertisement.
			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.
4	RT2 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.
			Construction	3	8/31/2017	10/1/2018 (Contractor in LD period)	\$4,688,042.38	ProPacific	Construction completed. One punch list item remaining – proof of sealed joint. BC working with contractor to resolve. All other punch list items completed.
			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	Assembling close-out documentation.
5	Brown & Caldwell Project Management	T. Cruz	Design	4	3/24/2015	2/28/2019	\$ 2,640,220.00	B&C	Project underway.
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	Design services during construction on hold until construction IFB is issued
			Construction	4	8/15/2019	8/30/2020			Designer is currently revising plans to reflect new specs and recommendations. Draft to be completed by end of April.
			CM	4	8/15/2019	8/30/2020			RFP advertised on July 30th, closing date August 16th. Pending notice of award. Negotiations have been attempted between GWA and the most qualified consultant, Third Revised Fee Proposal (No.3) is expected by Friday, 03/13/2020.
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.

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 06/15/2020
12	RT4 Relief Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	9	3/1/2016	4/22/2017	\$ 794,000.00	AECOM	AECOM assisting as needed. Submitted CO for AMDRP revision and additional funding for monitoring.
			Construction	5	9/3/2018	6/30/2020	\$ 3,998,688.00	Insituform	InsituForm contract (CIPP portion) completed. Final manhole leak repairs to be done early June.
				6	9/25/2018	6/30/2020	\$ 3,407,848.00	ProPacific	PPBC contract on-going. New sewer from new manhole in Rt.4/O'Brien intersection (at Shirley's) downstream to existing manhole completed. Installation of upstream segment to existing manhole continues and will be completed in June. Manhole rehabilitation on-going.
			CM	6	11/15/2018	12/31/2019	\$ 702,678.13	EMPSCO	Working with contractors on schedules, submittals, permitting, and contractor's request for additional time and costs. Also working with contractors in the field.
14	Southern SSES Sewer Rehabilitation (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	Project manager (BC) working with GWA and regulating agencies to secure permits and right-of-way. Contractor submitted final plans and specifications and submitted for review. BC and GWA reviewed and sent comments to contractor. Drawings can be conditionally approved. Control specifications need additional revision.
			CM	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	Will start close out process once invoice is processed. Pending PPBC submittal of construction photos. Negotiated Change Order for additional CM services covering project closeout amounts to \$6,067.66. Change Order executed by GWA on 03/28/2019 and transmitted to CM on 03/29/2019. A deductive change order will be issued to PPBC for the final amount of this change order after all CM services are complete.
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 services during bid process.
			Construction	9	1/30/2020	12/31/2020	\$ 1,093,955.87	Ian Corporation	Contractor submitted draft of wastewater bypass plan. CM reviewed draft and returned comments to Contractor for revision and re-submission. Contractor still addressing asbestos abatement plan and revised E&SC plan. Contractor continues to revise/resubmit material submittals in conjunction with CM review. Project awaiting GEPA re-opening for permit hold coordination/approval.
			CM	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 06/15/2020
16 Talofoto Sewer Pump Stations (4 stations)	Design and construction of 4 sewer lift stations in the Talofoto village where sewer lines are installed but never completed.	J. Miller	Design (for Talofoto and Chalan Pago PS)	11	8/17/2016	11/30/2017	\$ 493,818.86	EMPSCO	Design of Talofoto Lift Stations • Final Design completed June 2018.  Design of Chalan Pago Wastewater Pump Station • CO-03 regarding Biological Assessment update. Survey is in progress. • Checking space availability and costs associated with adding a larger fuel tank (5-day tank capacity).  No new invoice to date.
			Construction	10	12/27/2018	4/27/2020	\$ 2,411,418.00	Giant Const.	Ladera 1: Electrical work ongoing. Significant loss observed during Wet Well leak test. Investigating leak source. Wall fence work started.  Tenorio: Electrical work ongoing. Wet well leak test results submitted 5/6/20, pending review. Epoxy coating to follow. Wall fence work started.  Taitague: Wet well leak test results submitted 5/6/20, pending review. Grading nearby ponding basin ongoing. Fittings installed in Valve Vault. CMU wall complete. Wall fence work started.  Ladera 2: Electrical work ongoing. Wet well leak test results submitted 5/6/20, pending review. Epoxy coating to follow. Wall fence work started.  Ayuyu: Electrical work ongoing. Wet well leak test results submitted 5/6/20, pending review. Epoxy coating to follow. Wall fence work started.  Pumps and electrical/control panels arrived on island 03/04/2020.  No new invoice to date.  Slow progress due to shortage of work force. Request for time extension forthcoming (one extension).
			CM		12/1/2018	12/31/2019			GWA Engineering will management construction management tasks.
17 Chalan Pago Sewer Pump Station	Design and construction of sewer lift stations and gravity lines in Scott Laguana, Santa Cruz Street Chalan Pago.	J. Davis	Design		8/17/2016	11/30/2017	The design will be included with the Talofoto Pump Station design project.		
			Construction	11	5/15/2019	3/30/2020			• Awaiting execution of CO3 for EMPSCO to update Biological Assessment.
			CM		5/15/2019	3/30/2020			
18 Water Hydraulic Model (SCADA ready instruments to update Model)	Design and construction of instrumentation at key water sites in the Barrigada service area necessary to update GWA Water hydraulic model.	Barbara Cruz	Design	12	8/3/2016	3/15/2017	\$ 523,268.00	GHD	Design complete.
		J. Mendiola/G. Yeoh	Construction (Phase 1)	12	8/3/2016	6/30/2020	\$ 4,532,000.00	Sumitomo	Project went out to bid October 2019. Contract with SMCC was approved by the CCU on 01/28/2020. PUC Notification sent out on 03/05/2020. Contract effective 04/21/2020. NPT issued 05/01/2020.
			CM		6/15/2019	6/30/2020			

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 06/15/2020
23	Project Advertisement	Each IFB or RFP requires advertising	Engineering/Procurement	MISC	1		\$ 25,172.50	PDN/Post	On-going
24	Dungca Beach Sewer Improvements		GWA CIP Engr	Design					GWA Engineering preparing RFP documents for advertising.
25	Hagatna Sewer Pump Station Force Main		GWA CIP Engr	Design					GWA Engineering preparing RFP documents for advertising.
26	Fujita Sewer Pump Station Force Main		GWA CIP Engr	Design					GWA Engineering preparing RFP documents for advertising.
27	Well Rehab A-28, M-14, D-15 & F-7		GWA CIP Engr	Design					GWA Engineering preparing RFP documents for advertising.



## Financial Statement Overview May 2020

On Sunday, May 10, 2020, Governor Leon Guerrero placed Guam in PCOR2, allowing certain additional businesses and government offices to open to the public. GPWA reopened the Fadian and Julale offices to take payments and offer limited services on May 14. Additionally, a second drive thru in Fadian was opened. COVID-19 stimulus checks began circulating the economy as the island went into PCOR2. A number of Guam businesses received SBA loans and GovGuam has funded additional relief programs for low income individuals and small businesses. Department of Labor opened registration for unemployment checks, but those payments may not be available for weeks.

Year to Date consumption is about the same as last year (water consumption 0%, wastewater consumption +1%) as is May 2020 consumption compared to May 2019 (water consumption 0%, wastewater consumption -1%). However, because of the shift in consumption from commercial to residential, wastewater revenues continue to see double digit decreases for the month. We continue to monitor bills as they drop in June to determine the impact of the reopening of the economy while hotels largely remain closed due to the lack of tourists and the return of the USS Roosevelt sailors to duty. See Schedule K for Water Demand for FY2015 to FY2020.

Revenues are being continuously monitored and a cost containment plan has been put into effect. However, the public health emergency has required additional outlays for emergency pay and other COVID-19 related expenses partially offset with CARES funding. 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.

### ***Balance Sheet***

- Total Assets & Deferred Outflows of Resources of \$915.7M in September 2019 grew by \$17.9M or 2% to \$933.6M in May 2020. Current Assets decreased by \$4.5M, Property, Plant and Equipment increased by \$34.3M, and Other Noncurrent Assets decreased by \$11.3M. Note that Schedule F contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$714.2M in September 2019 decreased by \$12.7M or 2% to \$701.5M in May 2020 primarily due to decreases in Current Liabilities of \$11.7M.
- Accounts Receivable days were 50 in May 2020 as compared to 50 in September 2019 and Accounts Payable days were 36 in May 2020 as compared to 38 in September 2019.

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

- Total Operating Revenues for May 2020 of \$8.3M were 8% or \$731.9K less than budget and 10% or \$914.2K less than May 2019 due to the impact of the COVID-19 public health emergency.
- Year to Date Operating Revenues as of May 2020 of \$72.1M were \$190K less or .3% less than budget and were \$1.7M or 2% less than last year. Note that the budget, was adjusted in April to reflect the effects of the public health emergency.



- Total Operating Expenses for May 2020 of \$6.7M were \$293.6K or 4% below budget, with most expenses coming in below budget except for Power, Depreciation, and Retiree Expenses; double pay related to the public health emergency ended on April 25, 2020. Total Operating Expenses for May 2020 were 7% or \$476.6K less than May 2019 with decreases in most expense categories.
- Year to Date Operating Expenses at May 2020 of \$59.4M were \$3.2M more than budget of \$56.3M with most expenses coming in below budget except for Utility Costs, Bad Debts, Depreciation and Retiree Costs. Year to Date Operating Expenses at May 2020 were \$3.8M or 7% more than last year's \$55.6M with increases in Utilities of \$1.1M, Salaries and Benefits of \$851.1K, Administrative & General Expenses of \$391.6K, and Depreciation of \$2.2M offset by decreases in Contractual Expenses of \$511.6K, and Retiree Benefits of \$196.5K.
- Earnings from Operations for May 2020 of \$1.6M were 22% or \$438.4K less than budget and 22% or \$437.6K less than May 2019. Change in Net Assets for May 2020 of \$3.8M were \$1.1M more than the \$2.7M budget mainly due \$980.6K more in Grants and \$766.0K more than May 2019 due to \$2.7M more in Grants offsetting the \$1.5M decrease in Non-operating Revenues and Expenses.
- Year to Date Earnings from Operations as of May 2020 of \$12.7M were 21% or \$3.4M less than budget and 30% or \$5.5M less than YTD Earnings as of May 2019. Year to Date Change in Net Assets as of May 2020 of \$30.6M were \$8.9M or 41% more than budget mainly due \$7.0M more in Grants from US Government and \$4.5M less in interest expense than projected. Year to Date Change in Net Assets as of May 2020 were \$5.8M or 23% more than YTD as of May 2019 mainly due to \$22.4M more in US Government Grants and \$9.3M less in AFUDC.

### Key Financial Indicators

Indicator	Target	April 2020	May 2020
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.32	1.28
• Per PUC / CCU	1.40	1.32	1.28
YTD Month to Month Change in Net Assets		80%	10%
Days – Cash on Hand	120 days	280 days	298 Days
Collection Ratio			
• Month to Date	98%	90%	100%
• Year to Date	98%	97%	97%
Days Billed	30	30	30
Account Receivable Days	45	48	50
Account Payable Days	45	38	36
Employee Count	400 FTE	379 FTE	384 FTE
Water Demand			
• Month to Date	467,615	445,961	465,477
• Year to Date	3,740,923	3,372,195	3,837,672
Wastewater Demand			
• Month to Date	382,224	313,912	335,721
• Year to Date	2,775,095	2,382,630	2,718,351
Water Customers	42,644	42,893	42,889
Wastewater Customers	29,687	29,644	29,673

**GUAM WATERWORKS AUTHORITY  
MAY 31, 2020  
FINANCIAL AND RELATED REPORTS  
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**GUAM WATERWORKS AUTHORITY**  
**Balance Sheet**  
**May 31, 2020**

**SCHEDULE A**

<b>ASSETS AND DEFERRED OUTFLOWS of RESOURCES</b>	<b>Unaudited May 31, 2020</b>	<b>Audited September 30, 2019</b>	<b>Increase (Decrease)</b>
<b>Current Assets</b>			
Cash			
Unrestricted (Schedule F)	43,053,503	36,140,182	6,913,320
Restricted Funds (Schedule F)	29,509,738	37,890,369	(8,380,631)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$7,372,895 at May 31, 2020 and \$7,789,943 at Sep 30, 2019	14,545,826	14,346,247	199,579
Federal Receivable	1,348,926	3,711,435	(2,362,509)
Other Receivable	901,734	1,794,082	(892,346)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at May 31, 2020 and \$64,131 at Sep 30, 2019	3,880,826	3,897,352	(16,527)
<b>Total Current Assets</b>	<b>93,240,553</b>	<b>97,779,668</b>	<b>(4,539,114)</b>
<b>Property, Plant and Equipment</b>			
Utility plant in service			
Water system	382,795,972	381,484,623	1,311,349
Wastewater system	456,881,508	429,896,579	26,984,928
Non-utility property	24,255,718	23,200,625	1,055,093
<b>Total property</b>	<b>863,933,197</b>	<b>834,581,827</b>	<b>29,351,370</b>
Less: Accumulated Depreciation	(337,736,987)	(321,561,403)	(16,175,583)
Land	3,914,815	3,914,815	-
Construction Work in Progress	121,242,118	100,162,613	21,079,504
<b>Property, Plant and Equipment, net</b>	<b>651,353,143</b>	<b>617,097,852</b>	<b>34,255,292</b>
<b>Other noncurrent assets and deferred charges</b>			
Restricted cash (Schedule F)	88,581,775	109,937,511	(21,355,736)
Investments (Schedule F)	71,324,680	61,231,877	10,092,803
Other Prepaid Expenses	1,329,631	1,667,816	(338,184)
Regulatory Assets	328,750	-	328,750
<b>Total other noncurrent assets and deferred charges</b>	<b>161,564,836</b>	<b>172,837,204</b>	<b>(11,272,368)</b>
<b>Total Assets</b>	<b>906,158,533</b>	<b>887,714,724</b>	<b>18,443,810</b>
<b>Deferred outflows of resources</b>			
Debt defeasance due to bond refunding	11,424,576	11,976,380	(551,804)
Deferred outflows from pension	9,057,499	9,057,499	-
Deferred outflows from OPEB	6,982,196	6,982,196	-
<b>Total Assets and Deferred Outflows of Resources</b>	<b>933,622,804</b>	<b>915,730,799</b>	<b>17,892,006</b>
<b>LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS</b>			
<b>Current Liabilities</b>			
Current maturities of long-term debt			
Series 2010 Revenue Bond	1,895,000	1,895,000	-
Series 2013 Revenue Bond	2,695,000	2,695,000	-
Series 2014 Refunding Bond	3,760,000	3,760,000	-
Series 2016 Revenue Bond	420,000	420,000	-
Series 2017 Refunding Bond	-	-	-
Notes Payable	-	2,319,108	(2,319,108)
Accounts Payable -Trade	3,302,144	4,121,364	(819,219)
Accrued and Other Liabilities	1,423,322	1,374,650	48,671
Interest Payable	10,585,495	6,359,303	4,226,192
Accrued Payroll and Employee Benefits	812,083	1,685,235	(873,152)
Accrued Annual Leave	1,054,545	1,054,545	-
Current portion of employee annual leave	584,204	584,204	-
Contractors' Payable	10,252,775	22,094,820	(11,842,045)
Customer and Other Deposits	2,209,052	2,349,490	(140,439)
<b>Total Current Liabilities</b>	<b>38,993,619</b>	<b>50,712,718</b>	<b>(11,719,099)</b>
<b>Long Term Debt, less current maturities</b>			
Series 2010 Revenue Bond	-	-	-
Series 2013 Revenue Bond	169,935,000	169,935,000	-
Series 2014 Refunding Bond	65,140,000	65,140,000	-
Series 2016 Revenue Bond	142,890,000	142,890,000	-
Series 2017 Refunding Bond	107,365,000	107,365,000	-
Unamortized Bond Premium/Discount	30,903,832	31,863,590	(959,758)
Net pension liability	49,593,171	49,593,171	-
Net OPEB obligation	62,656,405	62,656,405	-
Employee Annual Leave, Less Current Portion	838,545	838,545	-
<b>Total Liabilities</b>	<b>668,315,571</b>	<b>680,994,429</b>	<b>(12,678,857)</b>
<b>Deferred inflows of resources:</b>			
Deferred inflows from pension	1,444,744	1,444,744	-
Deferred inflows from OPEB	31,758,062	31,758,062	-
<b>Total Liabilities and Deferred Inflows of Resources</b>	<b>701,518,377</b>	<b>714,197,235</b>	<b>(12,678,857)</b>
<b>Net Assets</b>	<b>232,104,426</b>	<b>201,533,564</b>	<b>30,570,862</b>
<b>Total Liabilities, Deferred Inflows of Resources and Net Assets</b>	<b>933,622,804</b>	<b>915,730,799</b>	<b>17,892,005</b>

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending May 31, 2020**

**SCHEDULE B**

	Month to Date		Variance
	Budget*	Actual (Unaudited)	Favorable /
	May-20	May-20	(Unfavorable)
<b>OPERATING REVENUES</b>			
Water Revenues	5,482,041	5,352,163	(129,878)
Wastewater Revenues	3,173,105	2,645,203	(527,902)
Legislative Surcharge	268,785	244,067	(24,718)
Other Revenues	35,994	34,245	(1,749)
System Development Charge	76,247	28,547	(47,700)
<b>Total Operating Revenues</b>	<b>9,036,173</b>	<b>8,304,225</b>	<b>(731,948)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	625,000	604,840	20,160
Power Purchases	1,084,725	1,100,544	(15,819)
Total Utility Costs	1,709,725	1,705,384	4,341
Salaries and Wages	1,807,507	1,539,291	268,217
Pension and Benefits	546,381	525,720	20,661
Total Salaries and Benefits	2,353,889	2,065,011	288,878
Capitalized Labor and Benefits	(391,667)	(598,264)	206,597
Net Salaries and Benefits	1,962,222	1,466,747	495,475
<b>Administrative and General Expenses</b>			
Sludge removal	144,822	141,279	3,543
Chemicals	226,850	222,980	3,869
Materials & Supplies	131,478	130,850	627
Transportation	54,453	52,725	1,728
Communications	20,624	19,869	755
Claims	13,339	13,000	339
Insurance	7,905	6,756	1,149
Training & Travel	2,562	2,494	68
Advertising	7,892	7,078	814
Miscellaneous	101,091	99,063	2,028
Regulatory Expense	13,596	8,319	5,277
Bad Debts Provision	165,174	164,829	346
Total Administrative and General Expense	889,785	869,242	20,544
<b>Depreciation Expense</b>	<b>1,830,222</b>	<b>2,088,022</b>	<b>(257,800)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	73,648	66,237	7,411
Building rental	36,800	36,675	125
Equipment rental	83,630	58,107	25,523
Legal	3,616	-	3,616
Laboratory	23,948	3,426	20,522
Other	179,783	179,728	56
Total Contractual Expense	401,425	344,172	57,253
Retiree Supp. Annuities and health care costs	190,069	216,292	(26,224)
Contribution to Government of Guam	50,334	50,333	1
Total Retiree Benefits	240,402	266,625	(26,223)
<b>Total Operating Expenses</b>	<b>7,033,782</b>	<b>6,740,192</b>	<b>293,589</b>
<b>Earnings (Loss) from Operations</b>	<b>2,002,392</b>	<b>1,564,033</b>	<b>(438,359)</b>
Interest Income - 2010/13/14/16/17 Series Bond	112,563	3,042	(109,521)
Interest Income - Other Funds	18,048	2,725	(15,323)
Interest Income - SDC	2,131	1,589	(541)
Interest Expense - 2010/13/14/16/17 Series Bond	(2,675,432)	(2,117,099)	558,333
Interest Expense - ST BOG	(5,612)	-	5,612
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	(33,637)	119,970	153,606
Defeasance due to bond refunding	(28,676)	(68,976)	(40,299)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	-	-
Total non-operating revenues (expenses)	(2,610,616)	(2,058,748)	551,867
<b>Net Income (Loss) before capital contributions</b>	<b>(608,224)</b>	<b>(494,716)</b>	<b>113,509</b>
<b>Capital Contributions</b>			
Grants from US Government	3,311,071	4,283,705	972,634
Grants from GovGuam & Others	-	8,000	8,000
Total Capital Contributions	3,311,071	4,291,705	980,634
<b>Change in Net Assets</b>	<b>2,702,847</b>	<b>3,796,989</b>	<b>1,094,142</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	2,002,392	1,564,033	
System Development Charge	(76,247)	(28,547)	
Retiree COLA	50,334	50,333	
Interest/Investment Income	18,048	2,725	
Depreciation	1,830,222	2,088,022	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>3,824,749</b>	<b>3,676,566</b>	
<b>Debt Service</b>			
Principal	730,833	730,833	
Interest	2,117,099	2,117,099	
<b>Total</b>	<b>2,847,932</b>	<b>2,847,932</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.34</b>	<b>1.29</b>	
<b>Debt Service Coverage (1.40X) inclusive of reserves (PUC)</b>	<b>1.34</b>	<b>1.29</b>	

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending May 31, 2020 and 2019**

**SCHEDULE C**

	Actual (Unaudited) May-20	Month to Date Actual (Audited) May-19	Variance Increase / (Decrease)
<b>OPERATING REVENUES</b>			
Water Revenues	5,352,163	5,415,393	(63,230)
Wastewater Revenues	2,645,203	3,355,645	(710,442)
Legislative Surcharge	244,067	287,392	(43,325)
Other Revenues	34,245	51,001	(16,756)
System Development Charge	28,547	109,006	(80,459)
<b>Total Operating Revenues</b>	<b>8,304,225</b>	<b>9,218,437</b>	<b>(914,212)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	604,840	602,770	2,070
Power Purchases	1,100,544	1,305,990	(205,446)
Total Utility Costs	1,705,384	1,908,760	(203,376)
Salaries and Wages	1,539,291	1,667,411	(128,120)
Pension and Benefits	525,720	522,398	3,322
Total Salaries and Benefits	2,065,011	2,189,809	(124,799)
Capitalized Labor and Benefits	(598,264)	(308,333)	(289,931)
Net Salaries and Benefits	1,466,747	1,881,476	(414,730)
<b>Administrative and General Expenses</b>			
Sludge removal	141,279	135,218	6,061
Chemicals	222,980	151,421	71,560
Materials & Supplies	130,850	167,086	(36,236)
Transportation	52,725	35,970	16,755
Communications	19,869	9,065	10,803
Claims	13,000	-	13,000
Insurance	6,756	77,745	(70,989)
Training & Travel	2,494	51,574	(49,080)
Advertising	7,078	16,412	(9,334)
Miscellaneous	99,063	95,165	3,898
Regulatory Expense	8,319	4,514	3,805
Bad Debts Provision	164,829	174,514	(9,686)
Total Administrative and General Expense	869,242	918,683	(49,442)
<b>Depreciation Expense</b>	<b>2,088,022</b>	<b>1,759,065</b>	<b>328,957</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	66,237	115,092	(48,855)
Building rental	36,675	35,211	1,464
Equipment rental	58,107	103,948	(45,841)
Legal	-	10,754	(10,754)
Laboratory	3,426	32,817	(29,391)
Other	179,728	161,176	18,552
Total Contractual Expense	344,172	458,998	(114,826)
Retiree Supp. Annuities and health care costs	216,292	239,798	(23,506)
Contribution to Government of Guam	50,333	50,000	333
Total Retiree Benefits	266,625	289,798	(23,173)
<b>Total Operating Expenses</b>	<b>6,740,192</b>	<b>7,216,781</b>	<b>(476,589)</b>
<b>Earnings (Loss) from Operations</b>	<b>1,564,033</b>	<b>2,001,656</b>	<b>(437,623)</b>
Interest Income - 2010/13/14/16/17 Series Bond	3,042	328,495	(325,453)
Interest Income - Other Funds	2,725	75,131	(72,406)
Interest Income - SDC	1,589	15,637	(14,048)
Interest Expense - 2010/13/14/16/17 Series Bond	(2,117,099)	(2,137,785)	20,686
Interest Expense - ST BOG	-	(15,339)	15,339
Loss on Asset Disposal	-	-	-
AFUDC	-	1,157,306	(1,157,306)
Amortization of Discount, Premium and Issuance Costs	119,970	119,709	261
Defeasance due to bond refunding	(68,976)	(69,534)	558
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	-	-
Total non-operating revenues (expenses)	(2,058,748)	(526,379)	(1,532,369)
<b>Net Income (Loss) before capital contributions</b>	<b>(494,716)</b>	<b>1,475,276</b>	<b>(1,969,992)</b>
<b>Capital Contributions</b>			
Grants from US Government	4,283,705	1,555,747	2,727,958
Grants from GovGuam & Others	8,000	-	8,000
Total Capital Contributions	4,291,705	1,555,747	2,735,958
<b>Change in Net Assets</b>	<b>3,796,989</b>	<b>3,031,024</b>	<b>765,966</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	1,564,033	2,001,656	
System Development Charge	(28,547)	(109,006)	
Retiree COLA	50,333	50,000	
Interest/Investment Income	2,725	75,131	
Depreciation	2,088,022	1,759,065	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>3,676,566</b>	<b>3,776,846</b>	
Working Capital Reserve Available for Debt Service	-	957,296	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
<b>Balance Available for Debt Service inclusive of reserves</b>	<b>3,676,566</b>	<b>4,734,142</b>	
<b>Debt Service</b>			
Principal	730,833	476,250	
Interest	2,117,099	2,137,785	
<b>Total</b>	<b>2,847,932</b>	<b>2,614,035</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)</b>	<b>1.29</b>	<b>1.44</b>	
<b>Debt Service Coverage (1.40X) (PUC)</b>	<b>1.29</b>		
<b>Debt Service Coverage (1.75X) inclusive of reserves (PUC)</b>		<b>1.81</b>	

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative Budget vs. Actual for the period ending May 31, 2020**

**SCHEDULE D**

	Year to Date Budget* May-20	Actual (Unaudited) May-20	Variance Favorable / (Unfavorable)
<b>OPERATING REVENUES</b>			
Water Revenues	43,856,332	44,520,478	664,146
Wastewater Revenues	25,384,843	24,483,652	(901,191)
Legislative Surcharge	2,150,279	2,195,867	45,588
Other Revenues	287,955	491,763	203,809
System Development Charge	609,976	407,807	(202,169)
<b>Total Operating Revenues</b>	<b>72,289,385</b>	<b>72,099,568</b>	<b>(189,817)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	4,869,000	4,922,728	(53,728)
Power Purchases	8,677,797	10,114,389	(1,436,592)
Total Utility Costs	13,546,797	15,037,117	(1,490,321)
Salaries and Wages	14,460,060	13,736,276	723,784
Pension and Benefits	4,371,049	4,216,608	154,441
Total Salaries and Benefits	18,831,109	17,952,883	878,225
Capitalized Labor and Benefits	(3,133,333)	(2,332,059)	(801,274)
Net Salaries and Benefits	15,697,776	15,620,824	76,951
<b>Administrative and General Expenses</b>			
Sludge removal	1,008,575	1,006,683	1,892
Chemicals	1,454,797	1,451,832	2,966
Materials & Supplies	1,385,820	1,378,388	7,432
Transportation	404,625	399,960	4,665
Communications	98,988	94,766	4,222
Claims	105,709	105,354	355
Insurance	553,242	552,003	1,239
Training & Travel	119,499	118,289	1,209
Advertising	30,136	29,952	184
Miscellaneous	723,728	720,678	3,050
Regulatory Expense	274,769	272,993	1,777
Bad Debts Provision	1,417,394	1,423,960	(6,566)
Total Administrative and General Expense	7,577,281	7,554,857	22,424
<b>Depreciation Expense</b>	<b>14,641,780</b>	<b>16,251,062</b>	<b>(1,609,283)</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	377,181	377,105	76
Building rental	292,400	291,945	455
Equipment rental	613,036	612,426	610
Legal	931	-	931
Laboratory	111,586	110,554	1,032
Other	1,488,267	1,486,725	1,542
Total Contractual Expense	2,883,401	2,878,755	4,646
Retiree Supp. Annuities and health care costs	1,520,548	1,698,986	(178,438)
Contribution to Government of Guam	402,670	402,668	2
Total Retiree Benefits	1,923,219	2,101,654	(178,435)
<b>Total Operating Expenses</b>	<b>56,270,253</b>	<b>59,444,270</b>	<b>(3,174,018)</b>
<b>Earnings (Loss) from Operations</b>	<b>16,019,132</b>	<b>12,655,298</b>	<b>(3,363,834)</b>
Interest Income - 2010/13/14/16/17 Series Bond	900,505	979,585	79,080
Interest Income - Other Funds	144,382	270,375	125,993
Interest Income - SDC	17,045	77,617	60,573
Interest Expense - 2010/13/14/16/17 Series Bond	(21,403,458)	(16,936,792)	4,466,667
Interest Expense - ST BOG	(44,897)	(38,188)	6,709
Loss on Asset Disposal	-	(254,364)	(254,364)
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	(269,093)	959,758	1,228,852
Defeasance due to bond refunding	(229,409)	(551,804)	(322,395)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	(29,803)	(29,803)
Total non-operating revenues (expenses)	(20,884,926)	(15,523,615)	5,361,310
<b>Net Income (Loss) before capital contributions</b>	<b>(4,865,794)</b>	<b>(2,868,318)</b>	<b>1,997,476</b>
<b>Capital Contributions</b>			
Grants from US Government	26,488,571	33,424,930	6,936,358
Grants from GovGuam & Others	-	14,250	14,250
Total Capital Contributions	26,488,571	33,439,180	6,950,608
<b>Change in Net Assets</b>	<b>21,622,778</b>	<b>30,570,862</b>	<b>8,948,085</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	16,019,132	12,655,298	
System Development Charge	(609,976)	(407,807)	
Retiree COLA	402,670	402,668	
Interest/Investment Income	144,382	270,375	
Depreciation	14,641,780	16,251,062	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>30,597,988</b>	<b>29,171,596</b>	
<b>Debt Service</b>			
Principal	5,846,667	5,846,667	
Interest	16,936,792	16,936,792	
<b>Total</b>	<b>22,783,458</b>	<b>22,783,458</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) inclusive of reserves (PUC)</b>	<b>1.34</b>	<b>1.28</b>	

**GUAM WATERWORKS AUTHORITY**  
**Statement of Operations and Retained Earnings**  
**Comparative for the period ending May 31, 2020 and 2019**

**SCHEDULE E**

	Year to Date Actual (Unaudited) May-20	Actual (Audited) May-19	Variance Increase / (Decrease)
<b>OPERATING REVENUES</b>			
Water Revenues	44,520,478	44,639,920	(119,442)
Wastewater Revenues	24,483,652	25,921,522	(1,437,869)
Legislative Surcharge	2,195,867	2,344,097	(148,230)
Other Revenues	491,763	374,587	117,176
System Development Charge	407,807	550,712	(142,904)
<b>Total Operating Revenues</b>	<b>72,099,568</b>	<b>73,830,837</b>	<b>(1,731,269)</b>
<b>OPERATING AND MAINTENANCE EXPENSES</b>			
Water Purchases	4,922,728	4,123,919	798,810
Power Purchases	10,114,389	9,823,858	290,531
Total Utility Costs	15,037,117	13,947,777	1,089,340
Salaries and Wages	13,736,276	13,082,742	653,534
Pension and Benefits	4,216,608	4,153,636	62,972
Total Salaries and Benefits	17,952,883	17,236,378	716,506
Capitalized Labor and Benefits	(2,332,059)	(2,466,667)	134,608
Net Salaries and Benefits	15,620,824	14,769,711	851,113
<b>Administrative and General Expenses</b>			
Sludge removal	1,006,683	1,007,459	(776)
Chemicals	1,451,832	1,273,058	178,774
Materials & Supplies	1,378,388	1,263,885	114,504
Transportation	399,960	395,408	4,552
Communications	94,766	93,512	1,254
Claims	105,354	41,426	63,928
Insurance	552,003	603,985	(51,982)
Training & Travel	118,289	151,502	(33,213)
Advertising	29,952	75,745	(45,793)
Miscellaneous	720,678	689,409	31,269
Regulatory Expense	272,993	114,862	158,130
Bad Debts Provision	1,423,960	1,453,030	(29,070)
Total Administrative and General Expense	7,554,857	7,163,281	391,576
<b>Depreciation Expense</b>	<b>16,251,062</b>	<b>14,072,520</b>	<b>2,178,542</b>
<b>Contractual Expense</b>			
Audit & Computer Maintenance	377,105	437,309	(60,204)
Building rental	291,945	281,686	10,259
Equipment rental	612,426	785,973	(173,546)
Legal	-	10,754	(10,754)
Laboratory	110,554	178,923	(68,370)
Other	1,486,725	1,695,675	(208,950)
Total Contractual Expense	2,878,755	3,390,320	(511,565)
Retiree Supp. Annuities and health care costs	1,698,986	1,898,154	(199,168)
Contribution to Government of Guam	402,668	400,000	2,668
Total Retiree Benefits	2,101,654	2,298,154	(196,500)
<b>Total Operating Expenses</b>	<b>59,444,270</b>	<b>55,641,763</b>	<b>3,802,507</b>
<b>Earnings (Loss) from Operations</b>	<b>12,655,298</b>	<b>18,189,074</b>	<b>(5,533,776)</b>
Interest Income - 2010/13/14/16/17 Series Bond	979,585	2,735,566	(1,755,981)
Interest Income - Other Funds	270,375	551,364	(280,989)
Interest Income - SDC	77,617	119,288	(41,671)
Interest Expense - 2010/13/14/16/17 Series Bond	(16,936,792)	(17,102,276)	165,485
Interest Expense - ST BOG	(38,188)	(144,221)	106,033
Loss on Asset Disposal	(254,364)	-	(254,364)
AFUDC	-	9,258,444	(9,258,444)
Amortization of Discount, Premium and Issuance Costs	959,758	957,671	2,087
Defeasance due to bond refunding	(551,804)	(556,272)	4,467
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(29,803)	(284,709)	254,906
Total non-operating revenues (expenses)	(15,523,615)	(4,465,145)	(11,058,470)
<b>Net Income (Loss) before capital contributions</b>	<b>(2,868,318)</b>	<b>13,723,929</b>	<b>(16,592,246)</b>
<b>Capital Contributions</b>			
Grants from US Government	33,424,930	11,020,636	22,404,294
Grants from GovGuam & Others	14,250	61,311	(47,061)
Total Capital Contributions	33,439,180	11,081,947	22,357,233
<b>Change in Net Assets</b>	<b>30,570,862</b>	<b>24,805,875</b>	<b>5,764,987</b>
<b>Debt Service Calculation</b>			
Earnings From Operations	12,655,298	18,189,074	
System Development Charge	(407,807)	(550,712)	
Retiree COLA	402,668	400,000	
Interest/Investment Income	270,375	551,364	
Depreciation	16,251,062	14,072,520	
<b>Balance Available for Debt Service per Section 6.12</b>	<b>29,171,596</b>	<b>32,662,246</b>	
Working Capital Reserve Available for Debt Service	-	7,658,369	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
<b>Balance Available for Debt Service inclusive of reserves</b>	<b>29,171,596</b>	<b>40,320,615</b>	
<b>Debt Service</b>			
Principal	5,846,667	3,810,000	
Interest	16,936,792	17,102,276	
<b>Total</b>	<b>22,783,458</b>	<b>20,912,276</b>	
<b>Debt Service Coverage (1.25X) - per Section 6.12</b>	<b>1.28</b>	<b>1.56</b>	
<b>Debt Service Coverage (1.40X) (PUC)</b>	<b>1.28</b>		
<b>Debt Service Coverage (1.75X) inclusive of reserves (PUC)</b>		<b>1.93</b>	

**GUAM WATERWORKS AUTHORITY**  
**Restricted and Unrestricted Cash Summary**  
**FY2020**

**SCHEDULE F**

Description	Unaudited May 31, 2020	Audited September 30, 2019	Increase (Decrease)
<b>UNRESTRICTED</b>			
Change Fund	2,000	2,000	-
Petty Cash	4,450	4,450	-
BOG Deposit Accounts	5,350,406	4,955,587	394,819
BOG O & M Reserve	25,688,238	13,933,323	11,754,915
BOG CapEx Fund	12,008,409	17,244,823	(5,236,414)
<b>Sub-total Unrestricted</b>	<b>43,053,503</b>	<b>36,140,182</b>	<b>6,913,320</b>
<b>RESTRICTED</b>			
ANZ Bank	-	19	(19)
Bank Pacific	20,341	12,321	8,020
Bank of Hawaii	322,322	220,158	102,165
Community First FCU	7,117	2,530	4,586
First Hawaiian Bank	33,433	11,761	21,672
Bank Pacific Surcharge	821,599	302,837	518,763
Bank Pacific Escrow Deposit	842,101	836,528	5,573
BOG Customer Refunds	2,022,050	1,871,553	150,498
BOG Emergency Reserve Fund	6,241	6,237	5
BOG Sewer Hookup Revolving Fund	67,382	67,094	287
BOG Subordinate Security Fund	-	859,233	(859,233)
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	-	1,164,224	(1,164,224)
BOG Revenue Trust Fund	7,283,686	7,613,000	(329,314)
BOG Capital Improvement Revenue Fund	5,551,237	1,001,292	4,549,945
BOG Debt Service Reserve	189	11,563,736	(11,563,548)
	<b>20,061,181</b>	<b>28,616,004</b>	<b>(8,554,823)</b>
BOG - SDC Deposit	3,948,557	2,024,365	1,924,192
BOG - SDC CDs	5,500,000	7,250,000	(1,750,000)
<b>Total SDC</b>	<b>9,448,557</b>	<b>9,274,365</b>	<b>174,192</b>
<b>Total Restricted</b>	<b>29,509,738</b>	<b>37,890,369</b>	<b>(8,380,631)</b>
<b>Reserve Funds</b>			
BOG Series 2013 Construction Fund	9,884,316	14,170,759	(4,286,443)
BOG Series 2014 Refunding Construction Fund	219,091	217,448	1,642
BOG Series 2016 Construction Fund	72,235,966	89,235,554	(16,999,588)
BOG Series 2017 Refunding Construction Fund	6,242,402	6,313,750	(71,348)
<b>Total Restricted - Held by Trustee</b>	<b>88,581,775</b>	<b>109,937,511</b>	<b>(21,355,736)</b>
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	6,458,825	3,082,212	3,376,614
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	4,983,650	1,885,637	3,098,013
USB Series 2014 Refunding Debt Service Reserve Fund	7,738,553	7,798,212	(59,659)
USB Series 2016 Debt Service Fund	3,435,313	1,946,774	1,488,538
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	1,808,099	523,353	1,284,747
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	2,286,880	1,382,329	904,550
<b>Total Investments</b>	<b>71,324,680</b>	<b>61,231,877</b>	<b>10,092,803</b>
<b>Total Restricted and Unrestricted Cash</b>	<b>232,469,696</b>	<b>245,199,940</b>	<b>(12,730,244)</b>

Guam Waterworks Authority  
Accounts Receivable - Government (Active)  
May 31, 2020

## SCHEDULE G

A G I N G							
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total
<b>Autonomous Agencies (Active)</b>							
Guam Int'l Airport Authority	8	\$ 33,325	\$ 40,319	\$ 10,127	\$ 9,447	\$ 248,047	\$ 341,265
Guam Power Authority	25	202,258	-	-	-	-	202,258
Guam Memorial Hospital Authority	3	37,379	-	-	-	-	37,379
Guam Housing & Urban Renewal Authority	9	16,377	533	10	-	-	16,921
Port Authority of Guam	5	14,708	-	-	-	-	14,708
Guam Visitors Bureau	1	1,986	-	-	-	-	1,986
Guam Housing Corporation	1	26	-	-	-	-	26
<b>Total Autonomous Agencies</b>	<b>52</b>	<b>\$ 306,060</b>	<b>\$ 40,852</b>	<b>\$ 10,137</b>	<b>\$ 9,447</b>	<b>\$ 248,047</b>	<b>\$ 614,543</b>
		<b>49.80%</b>	<b>6.65%</b>	<b>1.65%</b>	<b>1.54%</b>	<b>40.36%</b>	<b>100.00%</b>
Department of Education	53	\$ 279,736	\$ 240,500	\$ 289,282	\$ 183,890	\$ -	\$ 993,408
Department of Corrections	8	84,373	-	-	-	-	84,373
Mayors Council of Guam	60	21,555	1,762	1,672	336	42,111	67,436
Department of Parks & Recreation	18	33,349	1,448	17,151	4,223	6,444	62,615
Department of Public Works	11	33,903	772	1,868	614	7,281	44,438
Department of Chamorro Affairs	7	6,951	7,065	-	-	-	14,016
Guam Police Department	8	8,912	1,051	-	-	-	9,963
Guam Fire Department	11	5,021	1,605	-	-	-	6,626
Department of Public Health & Social Services	8	3,618	1,323	261	-	-	5,202
University of Guam	44	4,755	-	-	-	-	4,755
Department of Military Affairs/GUARNG	1	4,722	-	-	-	-	4,722
Department of Agriculture	6	2,021	1,435	-	-	-	3,456
Office of Technology	1	94	156	730	1,620	-	2,601
Office of Civil Defense	2	855	728	-	-	-	1,583
Guam Police Department	1	294	770	324	-	133	1,522
Department of Youth Affairs	3	1,480	29	-	-	-	1,508
Guam Solid Waste Authority	2	1,468	-	-	-	-	1,468
Division of Senior Citizens, DPH&SS	2	361	193	237	114	-	905
Guam Veterans Affairs Office	2	157	187	108	110	91	653
Guam Energy Office	1	562	-	-	-	-	562
Guam Public Library	6	312	174	-	-	-	485
Department of Administration	1	433	-	-	-	-	433
Department of Mental Health	2	412	-	-	-	-	412
Merizo Mayor	1	130	106	54	68	51	409
Department of Customs & Quarantine	1	361	28	-	-	-	389
Judiciary of Guam	1	55	-	-	-	-	55
Vietnam Veteran of America	1	43	-	-	-	-	43
Department of Mental Health and Substance	1	25	-	-	-	-	25
<b>Total Line Agencies</b>	<b>263</b>	<b>\$ 495,956</b>	<b>\$ 259,332</b>	<b>\$ 311,687</b>	<b>\$ 190,975</b>	<b>\$ 56,112</b>	<b>\$ 1,314,061</b>
		<b>37.74%</b>	<b>19.74%</b>	<b>23.72%</b>	<b>14.53%</b>	<b>4.27%</b>	<b>100.00%</b>
<b>Total as of May 31, 2020 (Active)</b>	<b>315</b>	<b>\$ 802,016</b>	<b>\$ 300,184</b>	<b>\$ 321,824</b>	<b>\$ 200,422</b>	<b>\$ 304,158</b>	<b>\$ 1,928,605</b>
		<b>41.59%</b>	<b>15.56%</b>	<b>16.69%</b>	<b>10.39%</b>	<b>15.77%</b>	<b>100.00%</b>
<b>Total as of September 30, 2019</b>	<b>156</b>	<b>\$ 573,245</b>	<b>\$ 177,040</b>	<b>\$ 36,359</b>	<b>\$ 13,784</b>	<b>\$ 390,725</b>	<b>\$ 1,191,152</b>
		<b>102%</b>	<b>40%</b>	<b>70%</b>	<b>785%</b>	<b>1354%</b>	<b>62%</b>



**GUAM WATERWORKS AUTHORITY**  
**Accounts Receivable Aging Summary by Rate Class**  
**As of May 31, 2020**

**SCHEDULE H****AGING**

<b>Rate Class</b>	<b>No. of Accounts</b>	<b>Current</b>	<b>31 - 60 days</b>	<b>61 - 90 days</b>	<b>91 - 120 days</b>	<b>Over 120 days</b>	<b>Total</b>	
Government	437	\$ 2,817,922	\$ 361,159	\$ 311,108	\$ 200,702	\$ 411,315	\$ 4,102,207	19%
Agriculture	386	46,690	9,212	4,558	2,415	56,718	119,593	1%
Commercial I	2665	1,408,931	81,349	51,682	31,137	342,078	1,915,177	9%
Commercial II	25	214,384	822	2,228	1,763	253,760	472,957	2%
Commercial III	302	550,739	51,774	90,955	79,395	255,497	1,028,360	5%
Golf Course	16	4,963	273	200	-	-	5,437	0%
Hotel	57	1,867,312	341,105	206,188	51,905	231,705	2,698,216	12%
Irrigation	33	6,148	662	233	266	3,419	10,728	0%
Residential	48,940	4,554,518	981,827	631,744	444,861	4,953,095	11,566,045	53%
<b>Total</b>	<b>52,861</b>	<b>11,471,608</b>	<b>1,828,184</b>	<b>1,298,895</b>	<b>812,446</b>	<b>6,507,587</b>	<b>21,918,719</b>	<b>100%</b>
		<b>52%</b>	<b>8%</b>	<b>6%</b>	<b>4%</b>	<b>30%</b>	<b>100%</b>	

Less Allowance for Doubtful Accounts: (7,372,895)  
 Net Accounts Receivable: **14,545,826**

Days Receivables Outstanding

50



**GUAM WATERWORKS AUTHORITY**  
**Accounts Payable Aging**  
**As of May 31, 2020**

**SCHEDULE I**

<b>AGING</b>					
<u>Current</u>	<u>31 - 60 Days</u>	<u>61 - 90 Days</u>	<u>91 - 120 Days</u>	<u>&gt; 120 Days</u>	<u>Total</u>
\$ 2,934,384.83	\$ 67,049.79	\$ 43,840.47	\$ 20,706.09	\$ 236,163.06	\$ 3,302,144.24
89%	2%	1%	1%	7%	100%

Days Payable Outstanding

36

## SCHEDULE J

**Guam Waterworks Authority  
System Development Charges Project Status  
As of May 31, 2020**

**Funding Summary**

Total available project funds	\$ 12,801,834
Total project expenditures and encumbrances	10,217,522
Total unobligated project funds	<b>\$ 2,584,312</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	1,166,075	35,931	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,150,881	3,090	1,153,971
Central Guam Reservoirs	-	280,040	280,040
Line Replacement Phase IV	-	256,937	256,937
Northern DWWTP	13,798	5,408,801	5,422,599
Northern DWWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	-	399,869	399,869
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofofo Sewer Improvement	-	241,142	241,142
Umatac Merizo WWTP	-	42,783	42,783
Groundwater Well Production Meter Rep.	-	129,405	129,405
	<b>\$ 3,414,811</b>	<b>\$ 6,802,711</b>	<b>\$ 10,217,522</b>

**Future planned projects**

Future planned projects	FY2020
Water Wells	540,000
Water Dist Sys Pipe Replacement & Upgrades	540,000
WWTP Priority 1 Upgrades	300,000
Umatac Merizo STP Replacement	300,000
Wastewater Sewer System Expansion	300,000
	\$ 1,980,000

## SCHEDULE K

**GUAM WATERWORKS AUTHORITY**  
**WATER DEMAND BY RATE CLASS BY METER SIZE**  
**FY2015 - FY2020**

CLASS	AUDITED						UNAUDITED		
	FY2015 TOTAL CONSUMPTIO N (kGal)	FY2016 TOTAL CONSUMPTIO N (kGal)	% Inc / (Dec.)	FY2017 TOTAL CONSUMPTIO N (kGal)	% Inc / (Dec.)	FY2018 TOTAL CONSUMPTIO N (kGal)	% Inc / (Dec.)	FY2019 TOTAL CONSUMPTION (kGal)	(8 Mos Annualized) TOTAL CONSUMPTION (kGal)
R Residential	3,415,662	3,429,689	0%	3,206,811	-6%	3,313,613	3%	3,359,905	3,506,417
C Commercial	1,020,089	1,022,890	0%	964,639	-6%	910,905	-6%	906,192	874,643
F Federal	1,168	1,180	1%	2,508	113%	1,813	-28%	1,602	1,332
G Government	515,974	475,366	-8%	448,430	-6%	450,165	0%	405,980	387,797
H Hotel	999,116	1,008,087	1%	1,004,525	0%	989,723	-1%	1,079,919	913,873
G Golf	6,850	6,770	-1%	5,252	-22%	2,741	-48%	2,793	6,837
A Agriculture	67,376	78,628	17%	69,482	-12%	81,127	17%	90,803	82,246
I Irrigation	10,385	11,351	9%	10,143	-11%	8,504	-16%	7,896	7,761
GRAND TOTAL	6,036,620	6,033,960	0%	5,711,790	-5%	5,758,590	1%	5,855,091	5,780,906



## Guam Waterworks Authority

## VEHICLE FLEET STATUS

5/31/2020

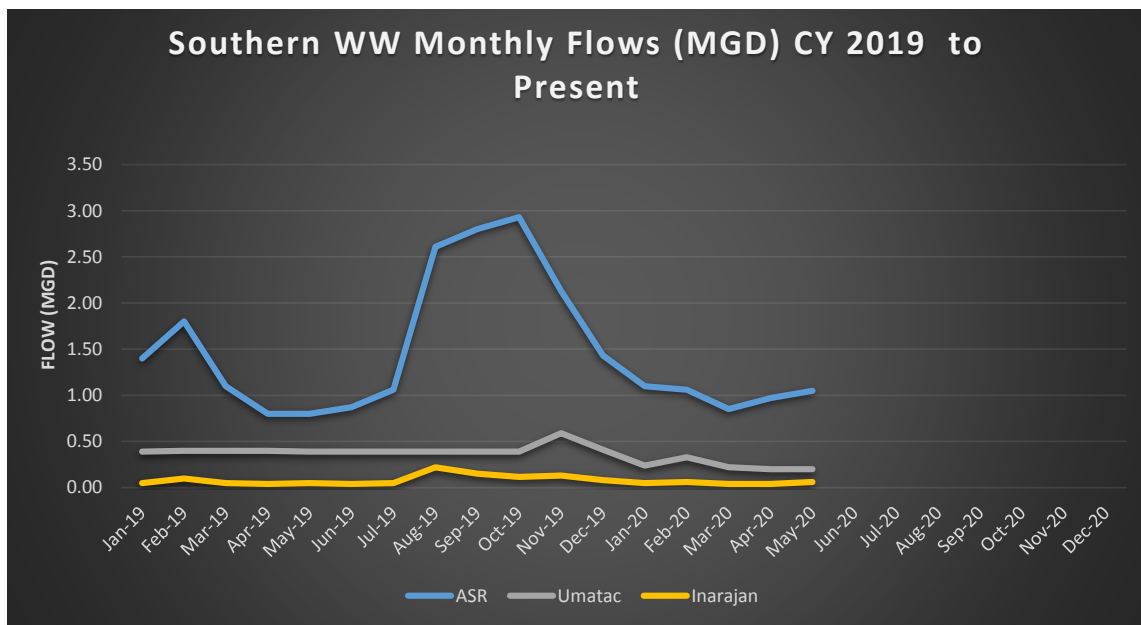
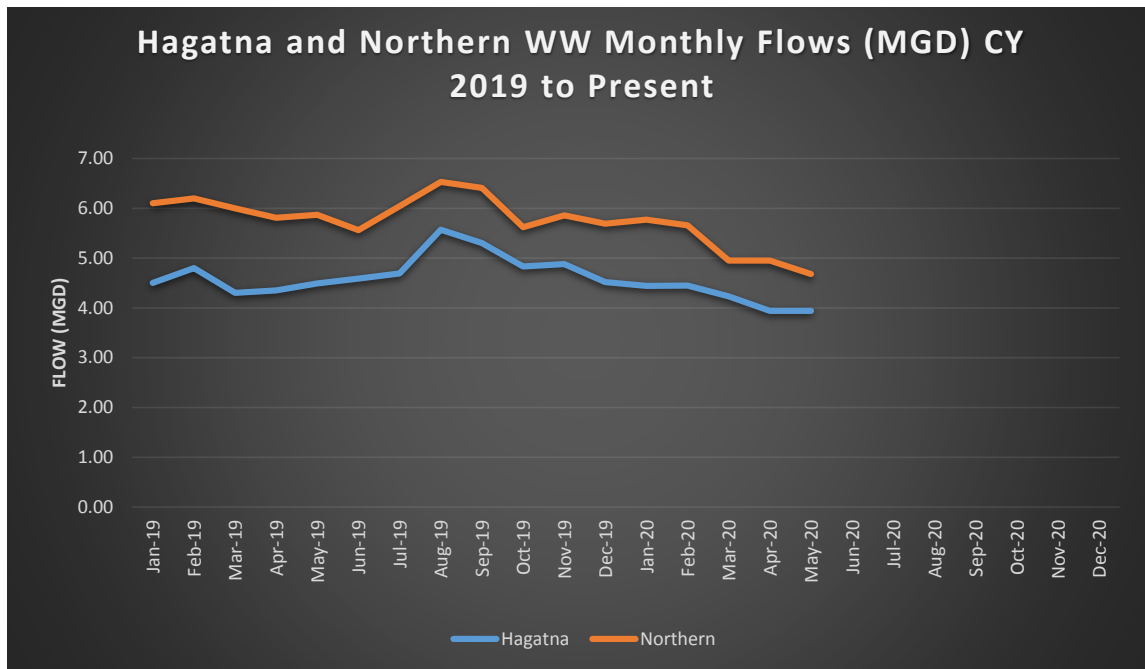
EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage
Backhoe (Leased)	3	3	0	100%
Dump Truck (Leased)	3	3	0	100%
Trailer (Leased)	3	3	0	100%
Backhoe	3	2	1	67%
Boom Truck	2	0	2	0%
Crane	1	1	0	100%
Dump Truck	1	1	0	100%
Forklift	6	6	0	100%
Fuel Tanker	1	1	0	100%
Heavy Duty	8	7	1	88%
Hoist Rig	1	0	1	0%
Jetter	1	1	0	100%
Light	154	128	26	83%
Mini Backhoe	2	1	1	50%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	3	2	60%
Tractor	2	2	0	100%
Tractor Mower	1	1	0	100%
Trailer	15	13	2	87%
Trencher	1	0	1	0%
Vacuum Truck	5	3	2	60%
Water Buffalo	2	2	0	100%
Water Tanker	5	5	0	100%
Compressor	1	1	0	100%
Total	252	176	41	

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
2	1	0	0	0	0	0
3	0	0	0	0	0	0
2	0	0	0	0	1	0
0	0	0	0	0	1	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
6	0	0	0	0	0	0
1	0	0	0	0	0	0
7	0	0	0	0	0	1
0	0	0	0	0	1	0
1	0	0	0	0	0	0
122	6	1	0	4	5	16
1	0	0	0	1	0	0
0	0	0	0	1	0	0
0	0	0	0	1	0	0
3	0	0	0	1	1	0
1	1	0	0	0	0	0
1	0	0	0	0	0	0
13	0	0	0	2	0	0
0	0	0	1	0	0	0
3	0	0	0	0	2	0
2	0	0	0	0	0	0
5	0	0	0	0	0	0
1	0	0	0	0	0	0
176	8	1	1	10	11	18

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

2019	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-19	4.50	6.10	1.40	0.39	0.05
Feb-19	4.80	6.20	1.80	0.40	0.10
Mar-19	4.30	6.00	1.10	0.40	0.05
Apr-19	4.35	5.81	0.80	0.40	0.04
May-19	4.49	5.87	0.80	0.39	0.05
Jun-19	4.59	5.56	0.87	0.39	0.04
Jul-19	4.69	6.04	1.06	0.39	0.05
Aug-19	5.57	6.53	2.61	0.39	0.22
Sep-19	5.30	6.41	2.80	0.39	0.15
Oct-19	4.83	5.62	2.93	0.39	0.12
Nov-19	4.88	5.86	2.13	0.59	0.13
Dec-19	4.52	5.69	1.43	0.41	0.08
<b>2019 Average MGD</b>	<b>4.74</b>	<b>5.97</b>	<b>1.64</b>	<b>0.41</b>	<b>0.09</b>
<b>2019 Total MGY</b>	<b>1,728</b>	<b>2,181</b>	<b>600</b>	<b>150</b>	<b>33</b>

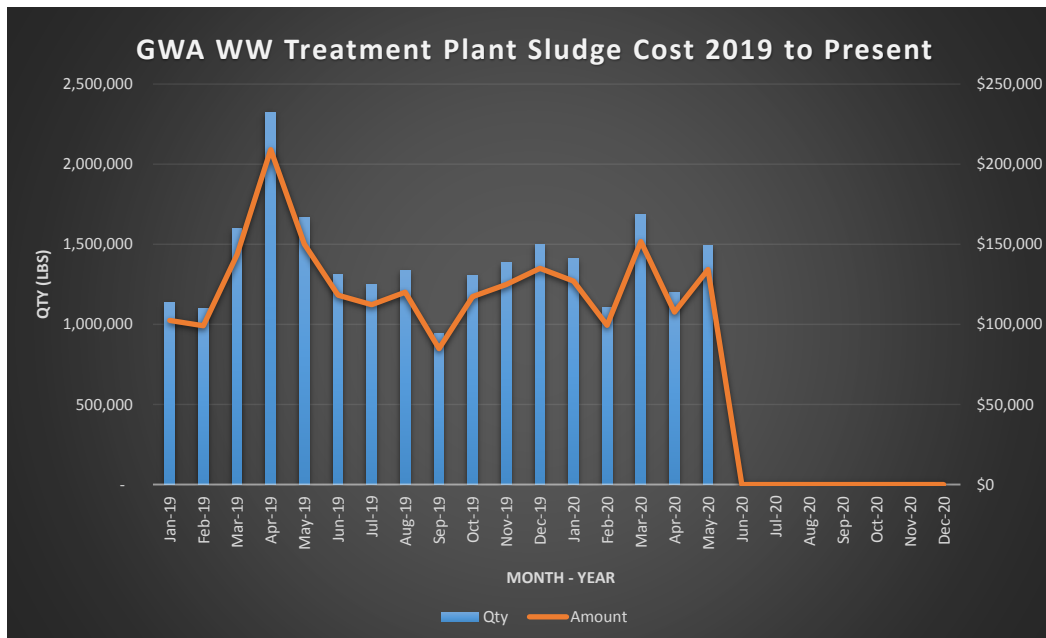
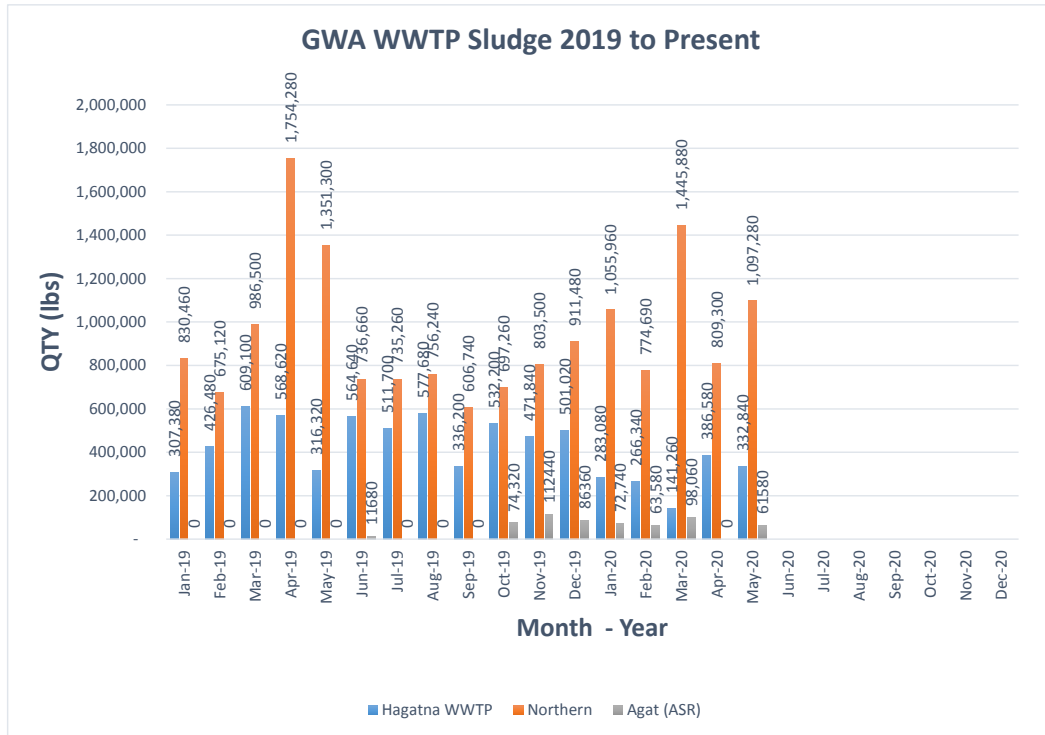
2020	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-20	4.44	5.77	1.10	0.24	0.05
Feb-20	4.45	5.66	1.06	0.33	0.06
Mar-20	4.23	4.95	0.85	0.22	0.04
Apr-20	3.94	4.95	0.97	0.20	0.04
May-20	3.94	4.68	1.05	0.20	0.06
Jun-20					
Jul-20					
Aug-20					
Sep-20					
Oct-20					
Nov-20					
Dec-20					
<b>2020 Average MGD</b>	<b>4.20</b>	<b>5.20</b>	<b>1.01</b>	<b>0.24</b>	<b>0.05</b>
<b>2020 Total MGY</b>	<b>1,533</b>	<b>1,899</b>	<b>367</b>	<b>87</b>	<b>18</b>



GWA Work Session - June 16, 2020 - DIVISION REPORTS


	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2019	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-19	307,380	\$27,664	830,460	\$74,741	0	\$0	1,137,840	\$102,406
Feb-19	426,480	\$38,383	675,120	\$60,761	0	\$0	1,101,600	\$99,144
Mar-19	609,100	\$54,819	986,500	\$88,785	0	\$0	1,595,600	\$143,604
Apr-19	568,620	\$51,176	1,754,280	\$157,885	0	\$0	2,322,900	\$209,061
May-19	316,320	\$28,469	1,351,300	\$121,617	0	\$0	1,667,620	\$150,086
Jun-19	564,640	\$50,818	736,660	\$66,299	11680	\$1,051	1,312,980	\$118,168
Jul-19	511,700	\$46,053	735,260	\$66,173	0	\$0	1,246,960	\$112,226
Aug-19	577,680	\$51,991	756,240	\$68,062	0	\$0	1,333,920	\$120,053
Sep-19	336,200	\$30,258	606,740	\$54,607	0	\$0	942,940	\$84,865
Oct-19	532,200	\$47,898	697,260	\$62,753	74,320	\$6,689	1,303,780	\$117,340
Nov-19	471,840	\$42,466	803,500	\$72,315	112440	\$10,120	1,387,780	\$124,900
Dec-19	501,020	\$45,092	911,480	\$82,033	86360	\$7,772	1,498,860	\$134,897
<b>Grand Total</b>	<b>5,723,180</b>	<b>\$515,086</b>	<b>10,844,800</b>	<b>\$976,032</b>	<b>284,800</b>	<b>\$25,632</b>	<b>16,852,780</b>	<b>\$1,516,750</b>

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2020	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
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	61580	\$5,542	1,491,700	\$134,253
Jun-20		\$0		\$0		\$0	-	\$0
Jul-20		\$0		\$0		\$0	-	\$0
Aug-20		\$0		\$0		\$0	-	\$0
Sep-20		\$0		\$0		\$0	-	\$0
Oct-20		\$0		\$0		\$0	-	\$0
Nov-20		\$0		\$0		\$0	-	\$0
Dec-20		\$0		\$0		\$0	-	\$0
<b>Grand Total</b>	<b>1,410,100</b>	<b>\$126,909</b>	<b>5,183,110</b>	<b>\$466,480</b>	<b>295,960</b>	<b>\$26,636</b>	<b>6,889,170</b>	<b>\$620,025</b>





GWA Work Session - June 16, 2020 - DIVISION REPORTS

Guam Waterworks Authority				Date: 5/11/2020 Time:		<div>WASTEWATER FACILITIES REPORT</div>							
REVIEWS													
TOTAL PUMPS INSTALLED		172		OVERALL AVERAGE		92%							
TOTAL PUMPS OPERATIONAL		154		% OF OPERATING PUMPS		90%							
TOTAL PUMP STATIONS		78											

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	2	50%	GPA	A	P#3: Needs Impeller @ Station; P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repair			
2	FLUJA	1	4	3	75%	GPA	A						
3	YPAO	1	2	2	100%	GPA	A	P#2 is for repairs @ JMI, utilizing Machano pump and volute on line 2.					
4	PASEO DE ORO	1	2	2	100%	GPA	A						
5	HARMON	2	2	2	100%	GPA	A	P#1 new pump installed 03-26-2020					
6	ROUTE 16	1	4	2	50%	GPA	M	P#4 secured, P#5 secured due to flapper in check valve line.					
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A	P#2 Awaiting Repair @ Shop, P#2 installed 04-22-2020 pump came from station 11					
8	LATTE SUN RISE	2	2	2	100%	GPA	A	P#2 burst, new pump installed 02-12-2020					
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A	P#1 new pump installed					
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	2	100%	GPA	A						
13	HABA ADAI	2	2	2	100%	GPA	A						
14	YPAOPAO	1	3	3	100%	GPA	N/A						
15	PACIFIC LATTE	2	2	2	100%	GPA	A	P#1 awaiting rewinding, new pump installed on 20-10-2019					
16	YIGO	1	3	3	100%	GPA	A						
17	ZERO DOWN	2	2	2	100%	GPA	A						
18	SANTA ANA	2	2	1	50%	GPA	A	P#2 burst, in for rewinding					
19	MACHANACNAO	1	2	2	100%	GPA	N/A	P#1 and volute being utilized at Ypaao pump station, new pump installed					
20	FEMA 96	2	2	2	100%	GPA	A	Pumps 1&2 removed awaiting rewinding. Utilizing pumps from Haba Adai and Old Station 13 pump (BKJ BLUE)					
21	ASTUMBO 1	2	2	2	100%	GPA	A	P#1 removed awaiting repairs, new pump installed 01-04-2020 on line 2					
22	ASTUMBO 2	2	2	2	100%	GPA	A	New pump installed 01-16-2020					
Total		22	52	46	88%								

# GWA Work Session - June 16, 2020 - 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	P2 on standby , station not setup for lead lag					
6	NEW CHAOT	1	3	3	100%	OP	A						
7	ORDOT	2	2	2	100%	OP	A						
8	DIRO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	2	100%	OP	A						
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	2	100%	INOP	A						
12	DOUBLE SHAFT	1	3	2	67%	OP	A	Pump 2 removed due to impeller broke					
13	NAMU	2	1	1	100%	OP	A						
14	TAI MANGILAO	1	3	2	67%	GPA	A	P3 secured due to moisture sensor.					
15	MANGILAO	1	2	2	100%	GPA	A			Sump pump burnt and the breaker is damaged			
16	FIDIAN	2	2	2	100%	GPA	A						
17	LEYANG	2	2	2	100%	OP	A						
18	SAGAN BONITA 1	2	2	1	50%	OP	A	P1 removed by maintenance Burnt					
19	SAGAN BONITA 2	2	2	1	50%	OP	A	P1 removed by maintenance Burnt					
20	DAIRY	1	2	2	100%	INOP	A						
21	BARRIGADA	1	2	2	100%	GPA	A	P3 secured due to CV not closing					
22	TOTO GARDENS	2	2	1	50%	INOP	A	Pump 2 removed awaiting repairs		Pump 2 breaker still secured tagged out.			
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	1	50%	Portable	A	P#1 awaiting rewinding at RCG		GPA RELOCATED GENERATOR			
25	MAITE	2	2	1	50%	GPA	A						
26	BAYSIDE	2	1	1	100%	INOP	A						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	3	100%	OP	A						
29	Agua Main	1	4	3	75%	OP	A	P4 is on Line # 2 awaiting line 4 rise to be cleared		Line 4 clogged riser. Awaiting cleaning.			
Total	29		63	55	87%								

# GWA Work Session - June 16, 2020 - 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	3	75%	OP	MAN	5-20-20 P-4 removed by maintenance crew and delivered to JMI for testing due to pump is single phasing. After testing pump @ JMI the findings were documented good. Motor tested and crew made an assessment and found that in order to be disconnected where the short is located they would need access to the 3 dies that is located 30% N/A. We will be working on getting scaffolding. 5-20-20 maintenance team erected scaffolding for the electricians to troubleshoot 3 dies. Awaiting for electrical team to perform assessments.	20-02-1287	UST REPAIRS REQUIRED TO LEAK DETECTION SYSTEM. QUOTATION RECEIVED FROM USBI \$11,507.13 FOR REPAIRS. OPEX00889 (2-28-20)			
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						
5	PUMP STATION #15	1	2	2	100%	INOP	AUTO	Requesting for electricians to replace P-1 defective hourly meter.	20-05-1208	Generator Secured By GPA 4/18/20 due to Oil Leak.			Generator Radiator Leaking Coolant, GPA Was Informed.
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 MAN	1	2	2	100%	OP	AUTO						
10	INARAJAN LFT	1	2	2	100%	OP	AUTO						
11	TALAFOFO	1	2	2	100%	OP	AUTO	5-17-20 Electricians determined that the sump pump is grounded and was recommended to be replaced. Entered work order into Lucity 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 Talofofo.		11-5-19 \$16,140.00 New M.W. ventilation repair quotation was sent to Mary. All ventilation ducts needs to be fabricated and installed.	
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALISAN	2	2	2	100%	OP	MAN/INOP			Requesting for electricians to make assessments to ventilation system to make it operational. )	(Yens- 19-12-0306)	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.	
14	EJECTOR #2	2	2	2	100%	PORTABLE/INOP	NA						
15	EJECTOR #3	2	2	2	100%	PORTABLE/INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE/INOP	NA						
17	EJECTOR #5	2	2	2	100%	PORTABLE/INOP	NA						
18	EJECTOR #6	2	2	1	50%	PORTABLE/INOP	NA	5-29-20 P. Castro removed motor#1	20-05-1212				
19	EJECTOR #7	2	2	2	100%	PORTABLE/INOP	NA						
20	NORTH REYES	2	2	2	100%	PORTABLE/INOP	NA						
21	LEYON #3 (DanDan)	2	2	2	100%	OP	MAN						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	2	67%	OP	AUTO	5-28-20 Pump#1 secured as per operator pump is leaking oil. Contacted JMI to make assessments. 6-2-20 JMI determined that cooling jacket is leaking. GWA Maintenance personnel have been notified and was provided the work order for pump pull-out.	20-06-0132				
25	Windward Hills	1	3	2	67%	OP	AUTO	6-2-20 Pump#1 secured, cooling jacket is leaking. GWA Maintenance personnel have been notified and was provided the work order for pump pull-out.	20-06-0130				
26	Aplacho	1	3	3	100%	OP	AUTO						
26			96	92	95%								

# GWA Work Session - June 16, 2020 - DIVISION REPORTS

Pump availability =no of operational pumps/no of pumps*100%													
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	Asian By-pass	1	1	1	100%			Pump from Sinajana					
Total	1		1	1	100%								



## Guam Waterworks Authority

## VEHICLE FLEET STATUS

5/31/2020

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	2	1	67%
Boom Truck	2	0	2	0%
Crane	1	1	0	100%
Dump Truck	1	1	0	100%
Forklift	6	6	0	100%
Fuel Tanker	1	1	0	100%
Heavy Duty	8	7	1	88%
Hoist Rig	1	0	1	0%
Jetter	1	1	0	100%
Light	154	128	26	83%
Mini Backhoe	2	1	1	50%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	3	2	60%
Tractor	2	2	0	100%
Tractor Mower	1	1	0	100%
Trailer	15	13	2	87%
Trencher	1	0	1	0%
Vacuum Truck	5	3	2	60%
Water Buffalo	2	2	0	100%
Water Tanker	5	5	0	100%
Compressor	1	1	0	100%
Total	252	176	41	

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
2	1	0	0	0	0	0
3	0	0	0	0	0	0
2	0	0	0	0	1	0
0	0	0	0	0	1	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
6	0	0	0	0	0	0
1	0	0	0	0	0	0
7	0	0	0	0	0	1
0	0	0	0	0	1	0
1	0	0	0	0	0	0
122	6	1	0	4	5	16
1	0	0	0	1	0	0
0	0	0	0	1	0	0
0	0	0	0	1	0	0
3	0	0	0	1	1	0
1	1	0	0	0	0	0
1	0	0	0	0	0	0
13	0	0	0	2	0	0
0	0	0	1	0	0	0
3	0	0	0	0	2	0
2	0	0	0	0	0	0
5	0	0	0	0	0	0
1	0	0	0	0	0	0
176	8	1	1	10	11	18

Guam Waterworks Authority		Date: 5/29/2020	 <b>GUAM WATERWORKS AUTHORITY</b> <b>WATER DISTRIBUTION FACILITIES REPORT</b>
		Time:	
<b>REVIEWS</b>			
TOTAL PUMPS INSTALLED	56	OVERALL AVERAGE	99%
TOTAL PUMPS OPERATIONAL	55	% OF OPERATING PUMPS	98%
TOTAL BOOSTER PUMP STATIONS	27		

Northern District													
NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
1	Yigo	30	3	3	100%	OP	A						
2	Gayvhero	20	2	2	100%	OP	A						
3	Mataguec	25	2	2	100%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A						
5	Hyundai	40	2	1	50%	OP	A	Pump # 1 requires pump and motor. Station undergoing renovation with new pumps installed				Work ongoing. New pumps will be installed.	
6	Chin, Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Agana Heights	30	3	3	100%		A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
10	Adawag	1.5	1	1	100%	N/A							
11	Pale Kiren	1	1	1	100%	N/A							
12	Ulisoa/Unifalan	1	2	2	100%	OP	A						
13	Latte Heights	15	2	2	100%	OP	A						
TOTAL = 13			26	25	96%								
pump availability = no of operational pumps/no of pumps*100%													

Central District													
NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	3	100%	OP	A						
2	Brocade	60	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	3	100%	OP	A						
4	Santa Rita Spring	40	2	2	100%	OP	A						
5	Santa Ana (Lower)	25	2	2	100%	N/A		Station to undergo renovations for tanks inspections.					
6	Camacho	1	1	1	100%	N/A							
7	Tenorio	1.5	1	1	100%	N/A							
Total=7			15	15	100%								
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	Malojloj Line	125 / 50	3	3	100%	OP	A						
2	Geus	25	2	2	100%	OP	A						
3	Pigua	7.5	2	2	100%	N/A							
4	Loquan	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	Malojloj Elevated	15	2	2	100%	OP	A						
Total=7			15	15	100%								
pump availability = no of operational pumps/no of pumps*100%													