



CONSOLIDATED COMMISSION ON UTILITIES

Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671) 648-3002 | guamccu.org

GUAM WATERWORKS AUTHORITY WORK SESSION

CCU Conference Room

4:30 p.m., Tuesday, January 19, 2021

AGENDA

1. **CALL TO ORDER**
2. **ISSUES FOR DECISION**
 - 2.1 [Relative to Change Order No. 5 to Contract 811-OS Approval for the Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase I Project S15-002-EPA / Resolution No. 06-FY2021](#)
 - 2.2 [Relative to Indefinite Quantity Contract with JMI-Edison for Submersible Pumps and Motors for GWA Deep Wells / Resolution No. 07-FY2021](#)
 - 2.3 [Relative to Approving the Guam Waterworks Authority's 2021 Employee Recognition Program Budget / Resolution No. 08-FY2021](#)
3. **GM REPORT**
 - 3.1 [GM Summary](#)
4. **ISSUES FOR DISCUSSION**
5. **OTHER DISCUSSION**
 - 5.1 **CCU Rules Update**
6. **DIVISION REPORTS**
 - 6.1 **Communications**
 - 6.2 [Compliance & Safety](#)
 - 6.3 [Customer Service](#)
 - 6.4 [Engineering](#)
 - 6.5 [Finance](#)
 - 6.6 [Operations](#)
7. **ANNOUNCEMENTS**
 - 7.1 **Next CCU Meetings: GPA Work Session: January 21; CCU Regular Monthly Mtg.: January 26**
8. **ADJOURNMENT**



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

Issues for Decision

Resolution No. 06-FY2021

Relative to Change Order #5 to Contract 811-OS Approval for the Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase 1, Project S-15-002-EPA (Construction Contract with InfraTech International, LLC.)

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

The objective of this project is to improve the sewer collection system, which includes rehabilitating, repairing and/or replacing sewer manholes and gravity sewer lines along Route 1 from Adelup to Hagatna. These sewer infrastructure elements have been identified by GWA, through a Sanitary Sewer Evaluation Survey. Successful completion of this project will result in proper maintenance and operation of the sewer collection system and USEPA agrees that efforts to rehabilitate, repair or replace the sewer lines are necessary. The Change Order is necessary to add additional time and commensurate compensation for by-pass pumping and other unforeseen obstructions encountered during construction such as buried existing utilities, work hour restrictions by the Department of Public Works, archaeological discoveries, and extensive AC pipe repairs.

Where is the location?

This project is located along Route 1, from Adelup to the Agana Main Pump Station in Hagatna at the Chamorro Village. Construction activities are limited to the government easements or the sewer infrastructure elements.

How much will it cost?

The original contract award amount was Six Million Two Hundred Seventy-Five Thousand Seven Hundred Eighty-Two Dollars and Eighty-Eight Cents (\$6,275,782.88). There have been four (4) previous change orders issued under this contract totaling Four Hundred Seventy-Nine Thousand Two Hundred Sixty Dollars and Eleven Cents (\$479,260.11). The current total contract amount is, therefore, Six Million Seven Hundred Fifty-Five Thousand Forty-Two Dollars and Ninety-Nine Cents (\$6,755,042.99). Resolution 44-FY2018 authorized a maximum contract expenditure of Six Million Nine Hundred Three Thousand Three Hundred Sixty-Seven Dollars and Seventeen Cents (\$6,903,367.17), (\$6,275,782.88 bid amount plus \$627,578.29 contingencies). Change Order #5 is in the amount of One Hundred Sixty-Eight Thousand Seven Hundred Thirty-Seven Dollars and Ninety-Three Cents (\$168,737.93). Approval of Change Order #5 will bring the contract total amount to Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42) which exceeds the amount authorized by Resolution 44-2018 by Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25).

GWA management requests CCU approval to increase the contract maximum amount by Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25) to enable GWA to execute the needed Change Order #5. The total authorized funding amount for this contract will then become Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42).

When will it be completed?

The construction contract length of this project is increased by 205 calendar days by Change Order #5. Estimated completion of construction will be March 2021.

What is the funding source?

The funding for this project will be from USEPA SRF Grant Funds and, if necessary, GWA Bond Funds with a maximum project budget of Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42).



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

RESOLUTION NO. 06-FY2021

**RELATIVE TO APPROVAL OF CHANGE ORDER NO.5 TO CONTRACT 811-OS FOR
THE ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND
REPLACEMENT PHASE 1, PROJECT S15-002-EPA**

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

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

WHEREAS, GWA has received a grant from USEPA under the State Revolving Fund program to improve the sewer collection system, which included gravity sewer line along Route 1, from the Asan “War in the Pacific” National Historical Park to the Agaña Main Pump Station; and,

WHEREAS, GWA has awarded contract No. 811-OS to InfraTech International, LLC to rehabilitate the gravity sewer from Asan to the Asan Pump Station in accordance with Resolution 44-FY2018 in the amount of Six Million Two Hundred Seventy-Five Thousand Seven Hundred Eighty-Two Dollars and Eighty-Eight Cents (\$6,275,782.88) funded by the USEPA grant; and

WHEREAS, Resolution 44-FY2018 authorized contingency funds in the amount of Six Hundred Twenty-Seven Thousand Five Hundred Seventy-Eight Dollars and Twenty-Nine Cents (\$627,578.29) for this contract, making the maximum authorized expenditure for this contract Six Million Nine Hundred Three Thousand Three Hundred Sixty-Seven Dollars and Seventeen Cents (\$6,903,367.17); and,

1 **WHEREAS**, GWA has executed four change orders under this contract totaling Four
2 Hundred Seventy-Nine Thousand Two Hundred Sixty Dollars and Eleven Cents (\$479,260.11);
3 and,

4 **WHEREAS**, unforeseen conditions such as buried existing utilities, work hour restrictions
5 by the Department of Public Works, archaeological discoveries, and extensive AC pipe repairs
6 have caused delays impacting the contractor and adding expense for maintaining by-pass pumping
7 for longer durations requiring execution of a change order (No.5) (Exhibit A); and,

8
9 **WHEREAS**, GWA and USEPA agree that the additional cost of One Hundred Sixty-Eight
10 Thousand Seven Hundred Thirty-Seven Dollars and Ninety-Three Cents (\$168,737.93) is fair and
11 reasonable for Change Order No.5 (Exhibit B); and

12
13 **WHEREAS**, the maximum contract amount authorized by Resolution 44-FY2018 is
14 insufficient to execute Change Order No.5 in the amount of One Hundred Sixty-Eight Thousand
15 Seven Hundred Thirty-Seven Dollars and Ninety-Three Cents (\$168,737.93); and,

16
17 **WHEREAS**, an additional Twenty Thousand Four Hundred Nineteen Dollars and Twenty-
18 Five Cents (\$20,419.25) to the maximum authorized amount of the contract is needed to execute
19 Change Order No.5; and,

20
21 **WHEREAS**, GWA Management seeks CCU approval to 1) execute Change Order No.5
22 and 2) to increase the maximum authorized contract amount by Twenty Thousand Four Hundred
23 Nineteen Dollars and Twenty-Five Cents (\$20,419.25) to Six Million Nine Hundred Twenty-Three
24 Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42); and

25
26 **WHEREAS**, funding for this project will be from the USEPA State Revolving Funds and,
27 if necessary, GWA Bond funds;

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

- 30 1. The recitals set forth above hereby constitute the findings of the CCU.
31
32

2. The CCU finds that the terms of Change Order No.5 for InfraTech International, LLC fair and reasonable.
3. The CCU hereby authorizes the management of GWA to approve Change Order No.5 in the amount of One Hundred Sixty-Eight Thousand Seven Hundred Thirty-Seven Dollars and Ninety-Three Cents (\$168,737.93) (Exhibit B).
4. The CCU hereby further authorizes increasing the maximum total contract amount for InfraTech International, LLC by Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25) to Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42).
5. The CCU further approves management to duly notify the PUC that this contract exceeds One Million Dollars (\$1,000,000.00), and is funded primarily by USEPA grant funds and, if necessary, GWA Bond Funds.
6. The CCU hereby approves the use of USEPA grant funds and, if necessary, GWA Bond funds as the funding source.

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

DULY AND REGULARLY ADOPTED, this 26th day of January, 2021.

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



Website: www.dcaguam.com
Email: dca@dcaguam.com

September 17, 2020

John Riegel
Brown and Caldwell
671-300-4230

Via: Email: jriegel@BrwnCald.com

Ref: Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement. GWA Project
No. S15-002-EPA

Subject: Time Extension Request No. 2 and CO Various Items

Sir,

This letter is to provide the Resident Project Representatives (RPR) response to Infratech International's (contractor) subject change order request. This letter is provided to present the contractors fee and justification for work. Attached to the letter is a simple narrative of events and the contractor's fee breakdown.

Time Extension Request

1. Archaeologist	20 Working Days
2. Waterline	26 Working Days
3. Sewer Manhole Replacement	14 Working Days
4. Unidentified Underground Utility Impact	44 Working Days
5. Abatement of AC Pipe	59 Calendar Days
Total Time Extension Request No. 2	205 Calendar Days

Total No. of Calendar Days:

Is the sum of Abatement of AC Pipe and No. of Calendar Days for items 1 thru 4 multiply by week-end multiplier.

$$= 104 (7/5) + 59$$

$$= 205 \text{ Calendar Days}$$

Total time extension request: **205 days**

Recommendations

September 18, 2020

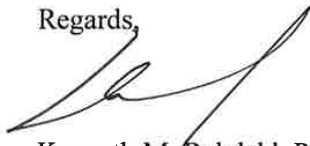
The following table summarizes DCA's recommendation for the subject change order requests. The amounts listed are the result of several negotiation sessions with the contractor. The items listed below cover all time extension requests up to June 23, 2020 and all change orders requested up to May 28, 2020.

Change Order Request Table

1. Utilities	\$ 33,350.98
2. Sewer Re-Alignment with Deflection	\$ 7,127.64
3. Nighttime Work	\$ 23,658.30
4. Bypass (127 days) \$823.63	\$ 104,601.01
Total	\$ 168,737.93

Cost Change Order: \$168,737.93

Regards,



Kenneth M. Rekdahl, PE
Dueñas, Camacho and Associates
Resident Project Representative

Att:
Supporting Information



Website: www.dcaguam.com
Email: dca@dcaguam.com

September 17, 2020

Project: Rt 1 Sanitary Sewerline Replacement/Rehabilitation with CIPP

Subject: Time Extension Request No. 2- DCA Review

This time extension request no. 2 covers the work completed from June 08, 2019 to July 23, 2020. DCA basis of the review was the information gathered from the contractor's production reports.

The works completed are the following:

1. Point Repair #1 at SMH 1402 – SMH 18
2. Point Repair #2 at SMH 18 – SMH 19
3. Point Repair #3 at SMH 20 – SMH 20A
4. Point Repair #4 at SMH 20A – SMH 1368
5. Point Repair #5 at SMH 1368 – SMH 1369

This review is based on InfraTech International, LLC Time Extension Request 2 dated March 24, 2020 and August 3, 2020. (See Attachment A)

1. Archaeologist

The contract documents (plan sheet G-003 General Construction Note 8) require the contractor to Give a 72-hour notice to HDR (Engineer) to provide for archaeological monitoring of all excavations. Due to non-availability of the archaeological representative, the contractor had to reschedule, resulting in delays.

Twenty **(20) working days** for archaeological monitoring impact.
See Attachment B for reference.

2. Waterline

Asbestos waterline was discovered adjacent to the sewerline when the contractor was performing Point Repair No. 2 between SMH 18 – SMH 19. In order to relocate the waterline, GWA executed a Change Order No. 2 as Time and Material. The work started at the time when the waterline was exposed on November 8, 2019, to pouring of flowable fill on February 4, 2020. During the months of November 2019, and January 2020, the contractor worked on both waterline and sewerline. Subsequently, while waiting for the approval of the change order in December 2019, the contractor diverted their activities such as reconstructing concrete collar, replacing manhole frame and covers, and fixing the violation issued by DPW. The number of days worked for the waterline are as follows: November 2019 (14 days), December 2019 (4 days), January 2020(7 days) and February 2019 (1 day)

Additional twenty-six **(26) working days** for waterline impact.

Found ACP waterline	1
Waiting for price proposal	5
Waiting for GWA material	4
Excavation/Hydro Excavation	5

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Reroute waterline	2
ACP abatement	1
Fixing Leak	1
Install Waterline	3
Compaction	3
Flowable Fill	1
Waterline Impact	26 Working Days

3. SMH Replacement

SMH replacement for SMH 1402, SMH 1401 and SMH 1400A is executed under Change Order No.1. During the excavation, the contractor found out that the base of the manholes is 3-foot thick. Due to the unexpected condition the contractor had to bring in a rock breaker which is not included in the cost proposal and had to excavate deeper. This resulted in delays. Three (3 days) for rock breaker, nine (9 days) for installation, and two (2 days) while waiting on COVID-19 decision to proceed.

Additional fourteen **(14) working days** for SMH replacement impact.

4. Unidentified Underground Facility Impact

The work was stopped on June 25 – September 18, 2019 to accommodate the discussion with the utility companies at Point Repair #1 between SMH 1402 – SMH 18. The work was stopped again on March 6 and March 11, 2020, due utility markings and installation of line guards at Point Repair #6 between SMH 1390 – SMH 1391 also known as Ramona Street.

The 0.5 days are the days associated in working around the utilities. (See Attachment B)

Additional forty-four **(44) working days** is for unidentified underground facility impact at Point Repair Nos. 1, 2 & 6.

Hydro Excavation/Install trench shield	4
Install 12-inch PVC Pipe	10
GTA Utility Coordination at Point Repair #1	**9
Waiting for GTA Markings at Point Repair #1	**8
Point Repair #2 SMH 18 – SMH 19	11
Waiting for Utit. Markings and Line Guards at Point Repair #6 SMH 1390 – SMH 1391 (Ramona St.)	**2
Unidentified Underground Facility Impact	44 Working Days

** Not included in bypass cost.

5. Abatement of AC Pipe-The contractor is claiming 15 additional days for every 80-foot section of abatement work as requested in their March 24, 2020 letter. The basis of this request is the condition of the AC Pipe is typically deteriorated to the point where the crown of the pipe is gone and soil and debris have accumulated on the pipeline. This accumulation required cleaning of material inside the AC Pipe that were not anticipated by the contractor at the time of bid. While removal of the AC Pipe is in the scope and the contract documents place this requirement on the contractor, the contractor's position

September 17, 2020

is that this was not the anticipated condition. Through negotiations with the contractor we have agreed to allow for additional time, but no addition cost for this request.

Additional fifty-nine (59) calendar days is recommended for abatement of AC pipe impact for Point Repairs No. 1-5.

Point Repair #1 at SMH 1402 – SMH 18	80
Point Repair #2 at SMH 18 – SMH 19	70
Point Repair #3 at SMH 20 – SMH 20A	87
Point Repair #4 at SMH 20A – SMH 1368	34
Point Repair #5 at SMH 1368 – SMH 1369	43
Total no. of days	$314 \div 80 = 3.92 \times 15 \text{ days} = 59 \text{ days}$
Recommended Abatement of AC Pipe Impact	59 Calendar Days

Summary:

Description	InfraTech Intl.	DCA
1. Archaeologist	40	20
2. Waterline	52	26
3. Sewer Manhole Replacement	30	14
4. Unidentified Underground Facility Impact @ Point Repair #1 between SMH 1402 – SMH 18 Point Repair #2 between SMH 18- SMH 19 Point Repair #6 between SMH 1390 – SMH 1991	70	31 11 2
Total Working Days:		104
Total No. of Calendar Days: = $104 \times 7/5$ (Weekend Multiplier) = 146 Calendar Days		146
5. Abatement of AC Pipe at 5 locations Point Repair#1 at SMH 1402-SMH18 Point Repair #2 at SMH 18-SMH19 Point Repair #3 at SMH 20 – SMH 20A Point Repair #4 at SMH 20A – SMH 1368 Point Repair # 5 at SMH 1368 – SMH 1369	*15 *15	15 13 16 7 8
Grand Total No. of Calendar Days: Is the sum of Abatement of AC Pipe and No. of Calendar Days for items 1 thru 4. = $146 + 59$ = 205 Calendar Days		
	222 Calendar Days	205Calendar Days
Recommended Time Extension Request No. 2		205 Calendar Days

*ITI abatement of AC Pipe is only for Point Repair # 1 and 2.

September 17, 2020

The evaluation of archaeological impacts, waterline impacts, SMH replacement, and unidentified underground facility impact were all in working days. To include weekends and holidays the total no. of working days were multiplied by weekend/holiday multiplier of 7/5 to get the total number of calendar days.

Given the information provided above, DCA recommends adding an additional 205 calendar days the contractor schedule. Of these days 127 days ($205 - 59 - 9 - 8 - 2 = 127$) will be allowed for addition bypass cost.

Attachment A
IFI Time Extension Request 2
Dated March 24 and August 3, 2020



August 3, 2020

Kenneth M. Rekdahl
Dueñas, Camacho and Associates
Resident Project Representative
238 East Marine Corps Drive, Suite 201
Hagatña, Guam 96910

Via: Email: kmrekdahl@dcaguam.com

Ref.: Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement; GWA Project No.: S15-002-EPA

Subject: Time Extension Request - 2

Dear Mr. Rekdahl:

InfraTech acknowledge receipt of your letter date July 7, 2020 on July 22, 2020. Please see the below responses to items in the same chronological order for your convenience:

1. Archeologist

Contractor gave 72-hour prior to commencing excavation as stated in the contract documents and informed both RPR and EOR that the excavation is a continuous process subject to the weather and any unknown conditions that InfraTech may encounter in the process of executing the work.

Based on the information and records, ITI could not continue the work on September 17, 20, 21, 22, 23, 24 & 25, 2019 (CPRs #109, 112, 113, 114, 115, 116, 117), October 24, 25, 26, 27, 28, 29, 30 & 31, 2019 (CPRs #150, 151, 152, 153) and November 1, 2, 3, 4, 5 & 6, 2019 (CPRs #154, 155, 156, 157, 158, 159). Due to uncertainty of availability of Archeologist, ITI's employees left the company and lost 2 additional days (CPRs #174 & 175) to find replacement. ITI was once again forced to stop the work due to the unavailability of Archeologist from January 15, 2020 to January 21, 2020. ITI lost 30 calendar days beyond its control due to the unavailability of Archeologist.

2. Water Line

Point repair work schedule is part of the critical path. Since the work done by InfraTech while waiting for the approval is non-critical work this duration, removing the days InfraTech spent to perform this work is not reasonable. As such, InfraTech is requesting to accept its request for a time extension of 52 calendar days for the delays beyond its control.



3. SMH Replacement

InfraTech gave proposal for the SMH replacement on September 16, 2019 and signed the Change Order on October 08, 2019. InfraTech agreed for cost only change order expecting that the change order will be processed immediately, and we will be able to continue the work while we are still working between SMHs 1402 and 1401. However, by the time we received the change order, we moved from that location and started point repair throwing the SMH replacement work into critical path. As per the DCA's computation, it took 41 calendar days to complete this work. However, InfraTech is only requesting for additional 30 calendar days only. As such, we are requesting to grant 30 days' time extension for this item.

4. Abatement of ACP Pipe

We requested for 15 days of additional time for every 80 feet because abatement of hazardous materials requires non-conventional methods to expose the pipe slowing down the production unlike removing an existing non-hazardous pipe. This is evident based on the pipe (PVC) removal between MHs 1399 and 1400. InfraTech asked for additional time for abatement work in the proposal and our proposal was accepted. As of August 3, 2020, InfraTech has abated a total 315 feet (approx.) resulting in 59 calendar days.

5. Unidentified Underground Facility Impact

Once again, point repair is a critical path item because it requires bypass pumping, which got struck at SMH 1401B for extended period. InfraTech had two separate crews, one for point repairs and one for the pipe replacement. While waiting for the resolution, InfraTech performed non-critical items instead of going on standby and the 2nd crew was assigned to another project. The work was stopped at this location from June 22, 2019 to September 17, 2019 held on to the bypass pump(s) limiting our activities. We discussed about the impact multiple times in the weekly meetings. Therefore, ITI's request for time extension to mitigate the impact is valid and reasonable. InfraTech lost total of 87 calendar days while GWA is coordinating with the GTA to find most economical solution. After making several unsuccessful attempts to work with GTA, RPR has informed us to restart the work and RPR rather work with the contractor than GTA because the discussion is not progressing.

After having several meetings with the utility company, the RPR directed ITI to proceed with the work by widening the width of the trench to overcome the obstructions caused by the unknown underground facility. This not only increased the excavation quantity, but also backfilling and flowable fill quantities. In the submitted proposal, ITI asked for 15 calendar days for the 80-foot section. To date, ITI had completed the spot repair in 2 areas. The total impact of the unidentified underground facility due to the need to widen the trench is 30 calendar days.

Based on the General Conditions Sections 5.04.A and 5.05.B, the total combined impact of the unidentified underground facility is 117 (80+30) calendar days.



Should you have any questions, please do not hesitate to contact the undersigned at 671-888-5670 or via email at ravi@infratechintl.com.

Regards,



Ravindra B. Gogineni
Vice President & General Manager



March 24, 2020

Kenneth M. Rekdahl
Dueñas, Camacho and Associates
Resident Project Representative
238 East Marine Corps Drive, Suite 201
Hagatña, Guam 96910

Via: Email: kmrekdahl@dcaguam.com

Ref.: Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement; GWA Project No.: S15-002-EPA

Subject: Time Extension Request - 2

Dear Mr. Rekdahl:

InfraTech International, LLC (ITI) is submitting the Time Extension Request for your review and approval for the delays identified below:

Archeologist

Based on the information and records, ITI scheduled to start the repair work between SMHs 18Asan and 19Asan on October 23, 2019 and was told on October 24, 2019 that Archeologist was not available. ITI was once again forced to stop the work due to the unavailability of Archeologist from January 15, 2020 to January 21, 2020. ITI lost 40 calendar days beyond its control due to the unavailability of Archeologist.

Water Line

ITI discovered an unidentified underground facility on November 25, 2019 and brought it to the attention of the RPR immediately. This underground facility belongs to GWA. As per the request of the RPR, ITI provided the proposal excluding all the materials as informed by the RPR. ITI started the work on December 26, 2019 after receiving the materials from GWA. Also, ITI requested 15 days to relocate 60 feet of the water line. However, ITI ended up relocating 80 feet and the proportionate duration would be 20 days for this work. The combined total impact of the delays beyond ITI's control caused by the unidentified water line plus the extra days for the additional work is 52 calendar days.

SMH Replacement

Upon excavation to install the new 16" PVC pipe by open cut excavation, ITI discovered that the Manhole (MH) section had a long crack and notified the RPR. ITI was asked the defective SMHs. After removing the upper SMH components, ITI found out that the base of the SMH is 3 feet thick, which was witnessed by the RPR's Field Representative and Project Manager. ITI had to



bring in a rock breaker to overcome the unknown condition. This additional work took 30 calendar days.

Abatement of ACP Pipe

As requested in the proposal for the abatement, ITI has asked for 15 additional days for every 80-foot section of abatement work. As of this letter date, ITI had abated two sections. The total days for this additional work as of now is 30 calendar days. ITI will request for additional time as it performs the abatement work in the future.

Unidentified Underground Facility Impact

ITI came across unidentified underground facility that caused constructability issues as per the contract documentation. ITI brought this to the attention of the RPR as soon as it discovered the unidentified underground facility. The RPR scheduled a field meeting with the respective companies to find a solution to continue the work as per the contract documents. The work was stopped from June 22, 2019 to September 17, 2019 to accommodate the discussions with the underground utility companies. Based on the above-mentioned dates, ITI lost 87 calendar days. It is very reasonable to request 40 calendar days out of 87 calendar days for the stoppage of work.

After having several meetings with the utility company, the RPR directed ITI to proceed with the work by widening the width of the trench to overcome the obstructions caused by the unknown underground facility. This not only increased the excavation quantity, but also backfilling and flowable fill quantities. In the submitted proposal, ITI asked for 15 calendar days for the 80-foot section. To date, ITI had completed the spot repair in 2 areas. The total impact of the unidentified underground facility due to the need to widen the trench is 30 calendar days.

Based on the General Conditions Sections 5.04.A and 5.05.B, the total combined impact of the unidentified underground facility is 70 (40+30) calendar days.

Based on the above facts, the total delays and time impacts due to the unknown underground facilities beyond ITI's control is 222 (40+52+30+30+70) calendar days. Given the sensitivity of the content of this letter, immediate action is required on this matter. ITI reserves the right to claim for additional days that may have been missed in this letter. Should you have any questions, please do not hesitate to contact the undersigned at 671-888-5670 or via email at ravi@infratechintl.com.

Regards,

Ravindra B. Gogineni

Vice President & General Manager

Attachment B
Time Extension 2- Work Days Review

Rt 1 - Time extension 2 Review						
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
	Point Repair #1 SMH 1402 - SMH 18					
8-Jun-19	Mob for Emergency Excav					
9-Jun-19	Hydro Excavation					
10-Jun-19	Hydro Excavation					
11-Jun-19	Excavation				0.5	
12-Jun-19	Excavation				0.5	
13-Jun-19	Install Temp. Trench Shield				0.5	
14-Jun-19	Install Temp. Trench Shield				0.5	
15-Jun-19						
16-Jun-19						
17-Jun-19					0.5	
18-Jun-19					0.5	
19-Jun-19	Mob Trench Shield				0.5	
20-Jun-19					0.5	
21-Jun-19	Placed Trench Shield/Demo ACP				0.5	
22-Jun-19	Prepare trench prior to install pipe					
23-Jun-19						
24-Jun-19	Prepare trench prior to install pipe				0.5	
25-Jun-19	Work was stopped - Utit Coordination				1	
26-Jun-19	Work was stopped - Utit Coordination				1	
27-Jun-19	Work was stopped - Utit Coordination				1	
28-Jun-19	Work was stopped - Utit Coordination				1	
29-Jun-19	Work was stopped - Utit Coordination				1	
30-Jun-19	Work was stopped - Utit Coordination				1	
1-Jul-19	Work was stopped - Utit Coordination				1	
2-Jul-19	Work was stopped - Utit Coordination				1	
3-Jul-19	Work was stopped - Utit Coordination				1	
4-Jul-19	Work was stopped - Utit Coordination				1	
5-Jul-19	Work was stopped - Utit Coordination				1	
6-Jul-19	Work was stopped - Utit Coordination				1	
7-Jul-19	Work was stopped - Utit Coordination				1	
8-Jul-19	Exposing Docomo line				1	
9-Jul-19	Exposing Docomo line				1	
10-Jul-19	Exposing GTA line				1	
11-Jul-19	Exposing Docomo/GTA lines					
12-Jul-19	Placed trench Shield/Manual Excav					
13-Jul-19						
14-Jul-19						
15-Jul-19	ACP abatement					
16-Jul-19	Temp. Backfill/Heavy Rain					
17-Jul-19						
18-Jul-19	Excavation 1st 20ft					
19-Jul-19	Excavation 1st 20ft					
20-Jul-19						
21-Jul-19						

Rt 1 - Time extension 2 Review						
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
22-Jul-19						
23-Jul-19	Excavate/Placed pipe					
24-Jul-19	Water Ponding in Trench					
25-Jul-19	Excavation					
26-Jul-19	Excavation/ACP abatement					
27-Jul-19						
28-Jul-19						
29-Jul-19						
30-Jul-19						
31-Jul-19						
1-Aug-19	Install PVC					
2-Aug-19						
3-Aug-19						
4-Aug-19						
5-Aug-19						
6-Aug-19						
7-Aug-19	Dewatering					
8-Aug-19						
9-Aug-19						
10-Aug-19						
11-Aug-19						
12-Aug-19						
13-Aug-19						
14-Aug-19						
15-Aug-19						
16-Aug-19						
17-Aug-19						
18-Aug-19						
19-Aug-19						
20-Aug-19						
21-Aug-19						
22-Aug-19						
23-Aug-19						
24-Aug-19						
25-Aug-19						
26-Aug-19						
27-Aug-19						
28-Aug-19						
29-Aug-19						
30-Aug-19						
31-Aug-19						
1-Sep-19						
2-Sep-19						
3-Sep-19	Excavating GTA & Docomo line					
4-Sep-19						

Rt 1 - Time extension 2 Review						
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
5-Sep-19						
6-Sep-19	Waiting for GTA markings				1	
7-Sep-19	Waiting for GTA markings				1	
8-Sep-19	Waiting for GTA markings				1	
9-Sep-19	Waiting for GTA markings				1	
10-Sep-19	Waiting for GTA markings				1	
11-Sep-19	Waiting for GTA markings				1	
12-Sep-19	Waiting for GTA markings				1	
13-Sep-19	Waiting for GTA markings				1	
14-Sep-19	Waiting for GTA markings				1	
15-Sep-19	Waiting for GTA markings				1	
16-Sep-19	Waiting for GTA markings				1	
17-Sep-19	Waiting for GTA markings				1	
18-Sep-19	Exposing GTA lines					
19-Sep-19						
20-Sep-19	No archaeological Monitoring - Found Bone	1				
21-Sep-19	No archaeological Monitoring	1				
22-Sep-19	No archaeological Monitoring	1				
23-Sep-19	No archaeological Monitoring	1				
24-Sep-19	No archaeological Monitoring	1				
25-Sep-19	No archaeological Monitoring	1				
26-Sep-19					0.5	
27-Sep-19					0.5	
28-Sep-19						
29-Sep-19						
30-Sep-19						
1-Oct-19					0.5	
2-Oct-19					0.5	
3-Oct-19					0.5	
4-Oct-19					0.5	
5-Oct-19						
6-Oct-19						
7-Oct-19					0.5	
8-Oct-19						
9-Oct-19						
10-Oct-19	No archaeological Monitoring	1				
11-Oct-19						
12-Oct-19						
13-Oct-19						
14-Oct-19					0.5	
15-Oct-19					0.5	
16-Oct-19					0.5	
17-Oct-19					0.5	
18-Oct-19					0.5	
19-Oct-19						

Rt 1 - Time extension 2 Review						
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
20-Oct-19						
21-Oct-19	Flowable Fill at Point Repair #1					
22-Oct-19						
23-Oct-19						
24-Oct-19						
25-Oct-19	No archaeological Monitoring	1				
26-Oct-19		1				
27-Oct-19		1				
28-Oct-19	No archaeological Monitoring	1				
29-Oct-19	No archaeological Monitoring	1				
30-Oct-19	No archaeological Monitoring	1				
31-Oct-19	No archaeological Monitoring	1				
1-Nov-19	No archaeological Monitoring	1				
2-Nov-19	No archaeological Monitoring	1				
3-Nov-19	No archaeological Monitoring	1				
4-Nov-19	No archaeological Monitoring	1				
5-Nov-19	No archaeological Monitoring	1				
6-Nov-19	No archaeological Monitoring	1				
7-Nov-19						
	Point Repair #2 & Waterline					
8-Nov-19	Found waterline		1			
9-Nov-19			1			
10-Nov-19			1			
11-Nov-19	Holiday		1			
12-Nov-19	Waiting on GWA Materials		1			
13-Nov-19	Hydro Excavation-waterline		1			
14-Nov-19	Hydro Excavation-waterline		1			
15-Nov-19			1			
16-Nov-19			1			
17-Nov-19			1			
18-Nov-19			1			
19-Nov-19			1			
20-Nov-19			1			
21-Nov-19	Operator issue		1			
22-Nov-19	Operator issue		1			
23-Nov-19			1			
24-Nov-19			1			
25-Nov-19			1			
26-Nov-19	Waiting for Price Proposal		1			
27-Nov-19	Waiting for Price Proposal		1			
28-Nov-19	Thanks Giving Day		1			
29-Nov-19	Waiting for Price Proposal		1			
30-Nov-19						
1-Dec-19						
2-Dec-19						

Rt 1 - Time extension 2 Review						
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
3-Dec-19						
4-Dec-19						
5-Dec-19						
6-Dec-19						
7-Dec-19						
8-Dec-19						
9-Dec-19						
10-Dec-19						
11-Dec-19						
12-Dec-19						
13-Dec-19						
14-Dec-19						
15-Dec-19						
16-Dec-19						
17-Dec-19						
18-Dec-19						1
19-Dec-19						1
20-Dec-19						1
21-Dec-19						1
22-Dec-19						1
23-Dec-19						1
24-Dec-19						1
25-Dec-19						
26-Dec-19	Prep waterline		1			
27-Dec-19	Excavation		1			
28-Dec-19			1			
29-Dec-19			1			
30-Dec-19	Diverted waterline		1			
31-Dec-19	Fixing waterline leak		1			
1-Jan-20			1			
2-Jan-20	No archaeological Monitoring	1				
3-Jan-20	No archaeological Monitoring	1				
4-Jan-20			1			
5-Jan-20			1			
6-Jan-20			1			
7-Jan-20	Sewerline Work					1
8-Jan-20	Sewerline Work					1
9-Jan-20	Sewerline Work					1
10-Jan-20	Sewerline Work					1
11-Jan-20						1
12-Jan-20						1
13-Jan-20	Sewerline Work					1
14-Jan-20	Sewerline Work					1
15-Jan-20	No archaeological Monitoring	1				
16-Jan-20	No archaeological Monitoring	1				

Rt 1 - Time extension 2 Review						
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
17-Jan-20	No archaeological Monitoring	1				
18-Jan-20	No archaeological Monitoring	1				
19-Jan-20	No archaeological Monitoring	1				
20-Jan-20	MLK	1				
21-Jan-20	No archaeological Monitoring	1				
22-Jan-20	Remove ACP waterline pipe		1			
23-Jan-20	Excavation		1			
24-Jan-20	Installation waterline		1			
25-Jan-20			1			
26-Jan-20			1			
27-Jan-20	Weather		1			
28-Jan-20	Remove diverted WL/Chlorinate		1			
29-Jan-20			1			
30-Jan-20						
31-Jan-20	Compaction/Excavation SMH 1402		1			
1-Feb-20			1			
2-Feb-20			1			
3-Feb-20	Inclement Weather		1			
4-Feb-20	Flowable Fill at Waterline & Pt Repair #2		1			
	Sewer Manhole Replacement					
5-Feb-20	Excavation SMH 1402			1		
6-Feb-20				1		
7-Feb-20				1		
8-Feb-20				1		
9-Feb-20				1		
10-Feb-20	Remove SMH 1401			1		
11-Feb-20						
12-Feb-20	Demo base -SMH1402 & SMH1401			1		
13-Feb-20	Foundation Prep			1		
14-Feb-20						
15-Feb-20	Install			1		
16-Feb-20				1		
17-Feb-20	President's Day			1		
18-Feb-20	Foundation Prep 1401			1		
19-Feb-20	Install			1		
20-Feb-20	Install					
21-Feb-20	Install riser SMH 1402					
22-Feb-20						
23-Feb-20						
24-Feb-20	Install base SMH SMH 1401			1		
25-Feb-20	Install riser SMH 1401					
26-Feb-20						
27-Feb-20	Backfilling SMH 1402 & SMH 1401			1		
28-Feb-20						
29-Feb-20						

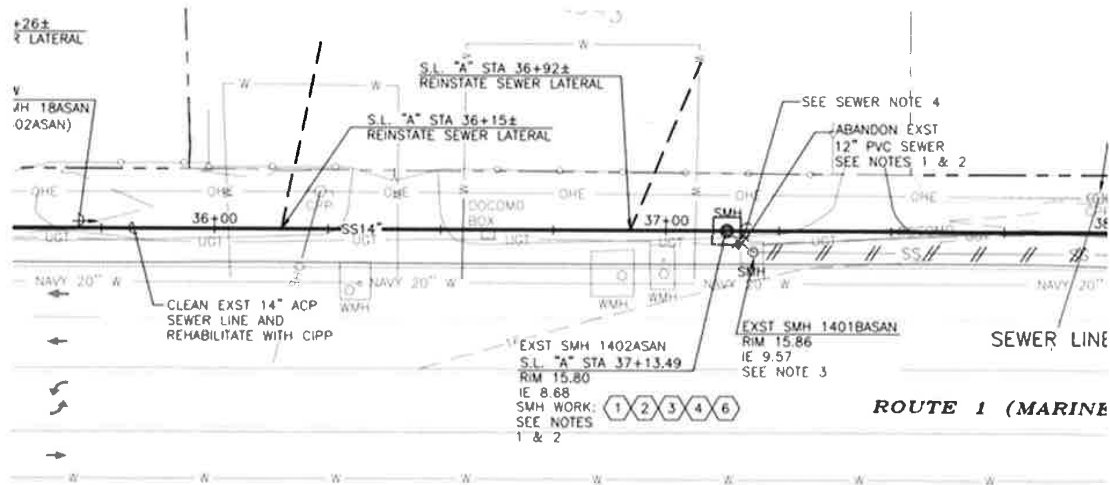
Rt 1 - Time extension 2 Review						
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
1-Mar-20						
2-Mar-20	Flowable Fill -SMH1402 - SMH1401					
3-Mar-20						
4-Mar-20						
5-Mar-20						
6-Mar-20	Waiting for utit marking at SMH 1390-1391				1	
7-Mar-20						
8-Mar-20						
9-Mar-20						
10-Mar-20						
11-Mar-20	Waiting line guards/GTA markings at Ramona				1	
12-Mar-20						
13-Mar-20	Excavation SMH 1400A			1		
14-Mar-20				1		
15-Mar-20				1		
16-Mar-20	COVID-19			1		
17-Mar-20	COVID-19			1		
18-Mar-20	Demo SMH 1400A			1		
19-Mar-20	Install riser SMH 1400A					
20-Mar-20	Chanelling manhole					
	SMH 20 -SMH 20A & SMH 20A - SMH1368					
15-Apr-20	Placing conc. Barrier SMH20-SMH20A					
16-Apr-20	Excavation					
17-Apr-20	Shut Down-Sewer Backup					1
18-Apr-20	Vac uum SMH 20A - SMH 1368					
19-Apr-20						
20-Apr-20	Inclement Weather					1
21-Apr-20	Hydro excavation SMH20- SMH 20A					
22-Apr-20	Excavation					
23-Apr-20	Excavation					
24-Apr-20	Hydro excavation/Install					
25-Apr-20	Hauling excavated mat'l's.					
26-Apr-20						
27-Apr-20	Hydro excavation					
28-Apr-20	Install 60'					
29-Apr-20	Backfilling					
30-Apr-20	Excavate SMH 20A -SMH 1368					
1-May-20	Excavate SMH 20A -SMH 1368					
2-May-20						
3-May-20						
4-May-20	Install SMH 20A - SMH 1368					
5-May-20	Backfill SMH 20A - SMH 1368					
	Cleaning SMH 20 - SMH 20A					
6-May-20	Install 34' SMH 20A - SMH 1368					
	Cleaning SMH 20 - SMH 20A					

Rt 1 - Time extension 2 Review						
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
7-May-20	Backfill/Compact SMH 20A - SMH 1368					0.5
	Cleaning SMH 20 - SMH 20A					1
8-May-20	No Activity-Different Site Condition					1
9-May-20						1
10-May-20						1
11-May-20	No Activity-Different Site Condition					1
12-May-20	No Activity-Different Site Condition					1
13-May-20	No Activity-Different Site Condition					1
14-May-20	Surveying					1
15-May-20	Waiting for Direction					1
16-May-20						1
17-May-20						1
18-May-20	Waiting for Direction					1
19-May-20	Slope adjustment for the installed 60'					
20-May-20	Slope adjustment for the installed 60'					
21-May-20	Shut Down-conflict with the MH elev.					1
22-May-20	DCA Survey					0.5
	Flowable Fill SMH 20A - SMH 1368					
23-May-20						1
24-May-20						1
25-May-20	Memorial Day					1
26-May-20	No Activity-Different Site Condition					1
27-May-20	No Activity-Different Site Condition					1
28-May-20	No Activity-Different Site Condition					1
29-May-20	No Activity-Different Site Condition					1
30-May-20						1
31-May-20						1
1-Jun-20	No Activity-Different Site Condition					1
2-Jun-20	No Activity-Different Site Condition					1
3-Jun-20	No Activity-Different Site Condition					1
4-Jun-20	No Activity-Different Site Condition					1
5-Jun-20	No Activity-Different Site Condition					1
6-Jun-20						
7-Jun-20						
8-Jun-20	Re-excavate/adjust slope to .001					
9-Jun-20	Install up to 80'					
10-Jun-20	Backfill					
11-Jun-20	Stand by Excav SMH 20 - SMH 19					
12-Jun-20	Excav exposed conc. Encasement					
13-Jun-20						
14-Jun-20						
15-Jun-20	Compaction/Trench collapsing					
16-Jun-20	Backfilling/Compacting 70'					
17-Jun-20	Demo conc. Encasement/ACP Abatement					
18-Jun-20	Install 100' with deflection					

VARIOUS CHANGE ORDER

1. UTILITIES - \$33,350.98

Work done before 9/18 does not appear to be significantly impacted by the comm lines and DCA considers this as falling within the contract documents, see excerpts below. DCA agrees that there was an impact when Infratech needed to extend the trench which started on 9/18.



TELEPHONE/CABLE NOTES:

1. THE LOCATION OF TELEPHONE AND CABLE FACILITIES, IF SHOWN ON THE PLANS, WERE DERIVED FROM A COMBINATION OF GEOSPATIAL INFORMATION SYSTEMS (GIS) AND FROM FIELD MARKINGS AND CONTAIN VARYING DEGREES OF ACCURACY AS TO ITS ACTUAL LOCATION. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE UTILITY CLEARANCES BEFORE EXCAVATING AND SHALL USE EXTREME CAUTION WHEN WORKING IN CLOSE PROXIMITY OF THESE FACILITIES.
2. ANY WORK REQUIRED TO RELOCATE TELEPHONE OR CABLE FACILITIES SHALL BE DONE BY THE RESPECTIVE COMPANY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIREMENTS AND ASSOCIATED APPLICABLE COSTS.

Using both Infratech and DCA daily reports, the works associated with the trench expansion excavation started on 9/18 with saw cutting and ended on 9/26. Backfilling commenced on 10/16 and ended on 10/21. DCA and Infratech reports are consistent with the back hoe, excavator and dump truck use. The total volume of flowable will was 63 cyds, so DCA allowed for half.

The total duration related to trench expansion was 15 days if it includes weekends, therefor DCA allowed for 0.5 months for the trench Box. Regarding labor DCA allowed for the entire sub fee to apply.

See attached mark ups with the times and qualities adjusted. All unit rates remained the same.

For your use, see link to the relevant DCA daily reports.

<https://1drv.ms/u/s!Ap5ihUxOPyJR01LL3MZZ7uPrzzuK?e=FIE4LY>

2. SEWER RE-ALIGNMENT WITH DEFLECTION- \$7,127.64

DCA will allow for two days of work associated with the realignment of the existing sewer line. This was the documented time for realignment.

This realignment was not a documented condition and was only identified once the old concrete encased line was removed. By this time Infratech had installed the point repair line up to the encasement. It was determined by all parties that realignment was the best option. Other options included the demolition an old Navy Vault.

3. NIGHTTIME WORK - \$23,658.30

DCA will allow for this fee.

This nighttime work is the result of meeting with DPW and the restriction to only allow one travel lane during peak hours. This restriction only uncovered after bid.

4. BYPASS - \$104,601.01

DCA negotiated with Infratech to develop a daily rate for the sewer system bypassing. This is done to accommodate times when contract extension was needed together with continuous bypassing. The agreed up on unit rate is \$823.63. This includes labor, fuel and routine maintenance.

ESTIMATED TOTALS

CO item	Contractor	DCA
1 Utilities	\$ 51,912.17	\$ 33,350.98
2 Sewer Realignment	\$ 13,691.00	\$ 7,127.64
3 Nighttime work	\$ 23,658.30	\$ 23,658.30
4 Bypass (daily)	\$ 886.25	\$ 823.63
<i>Negotiated 127 days</i>	\$ 177,250.00	\$ 104,601.01
Total	\$ 266,511.47	\$ 168,737.93

UTILITIES

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR ADDITIONAL WORK DUE TO UTILITIES

IF1-ITEM #3

ITEM NO.	DESCRIPTION	QTY.	HRS/DA Y	DUR.	T.QTY.	UNIT	U. COST	MTLS.	EQUIP.	LABOR	OTHERS	T. D. COST	UNIT PRICE	TOTAL PRICE
1	Additional Trench Excavation for Pipe Repair Work inclusive of flowable fill, crushed rock, non-woven fabric, shoring and backfilling (0'-10' Depth)	80 LF			31.5			2330.18					648.90 In lieu of Bid Item 2	
	Flowable Fill	43	1	1	43	CY	105.72	-5203.00	-	-	-	5,203.00	44.10	Bid Item 11
	Crushed Rock	29	39	43	43	Tons	-	-	-	-	-	-	693.00	55,440.00
	Non-Owen Fabric	1	1	1	1	Roll	-	-	-	-	-	-		
	Trench Shield	1	1	1	1	Mo.	4,362.30	-	-	2181.15	-	4,362.30		
	Excavator	1	8	8	8	Hrs.	9,000.00	-	-	4800.00	-	9,000.00		
	Backhoe	1	8	8	8	Hrs.	7,800.00	-	-	4680.00	-	7,800.00		
	Dump Truck	1	8	8	8	Hrs.	2,080.00	-	-	1040.00	-	2,080.00		
	Plate Compactor	1	1	1	1	Days	125.00	-	-	1875.00	-	1,875.00		
	Jumping Jack	1	1	1	1	Days	125.00	-	-	1875.00	-	1,875.00		
	Labor	3	8	15	360	Hrs.	-	-	-	-	-	-		
	Labor - Subcontractor (See Attached)	1	1	1	1	LS	12,720.00	-	-	13201.15	-	12,720.00		
	SUB-TOTAL						-5,203.00	26,992.30	-	12,720.00	-	44,915.30		
	WCI		7.50%							-		-		
	SST		7.65%							-		-		
	SUB-TOTAL						5,203.00	26,992.30	980.15	12,720.00	-	44,915.30		
	P & O		15%				499,527.80	4,048.85	-	-	636.00	4,829.30		
			5%							-	636.00	636.00		
	SUB-TOTAL						5,983.45	31,041.15	-	13,356.00	-	50,380.60		
	Bonds		3.04%				181.90	943.65	-	406.02	-	1,531.57		
	GRAND TOTAL						6,165.35	31,984.80	-	13,762.02	-	51,912.17		

3946.13 15,642.83

33,350.96

NOTES:

- 1) We are requesting 1 month for this extra work for the quantity identified in the proposal.
- 2) Our proposal is based on the estimated quantity. Total price and duration will be determined based on the actual quantities.

Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>
Sent: Wednesday, July 22, 2020 12:19 PM
To: 'Ken Rekdahl'
Cc: 'Editha F. Beltran-Thompson'; pragathi@infratechintl.com
Subject: RE: Heavy Cleaning Summary AND UTILITY IMPACT
Attachments: CPRs 10 to 24.pdf

Ken,

As per your email dated January 16, 2020, you considered the duration between ".....trench expansion excavation started on 9/18 with saw cutting and ended on 9/26. Backfilling commenced on 10/16 and ended on 10/21.". This duration covers 60 feet only. We installed another 20 feet between June 10, 2019 (CPR #10) to June 24, 2019 (CPR #24). We had a meeting on this and you were to review these reports and include in the computation. To expedite the process, I suggested to compute the per foot cost based on your computations and multiply the unit price with 80 to determine the total cost, which would be \$44,467.97 compared to our proposal cost of \$55,440.00. I am attaching the CPRs for your convenience. I am hoping that you will consider our request to close this matter. Thank you.

**Best Regards,
Ravindra B. Gogineni
Vice President**



EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

**118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
Email: ravi@infratechintl.com**



2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

Confidentiality Notice: The information contained in this transmission may contain privileged and confidential information. It is intended only for the use of the person(s) named above. If you are not the intended recipient, you are hereby notified that any review, dissemination, distribution or duplication of this communication is strictly prohibited. If you are not the intended recipient, please notify the sender immediately at ravi@infratechintl.com or by telephone at (1-671) 888-5670 and destroy all copies of the original message.

From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Wednesday, July 22, 2020 11:37 AM
To: Ravindra (Ravi) Gogineni <ravi@infratechintl.com>
Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; pragathi@infratechintl.com
Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

Ravi,

I reviewed your daily reports. The work in question was complete on Oct 21(as shown below). My Email of January 16 is a complete assessment of the work done at this point repair on both sides of the water line concrete easement. I will recommend this (attached marked up fee to GWA.

Further to this, subsequent review of the contact documents did indicate the comm lines in this area, so justification as to what any claim is due will be needed. I will use your email response on March 22, 2020 as justification for what the attached CO should be processed.

Regards

Ken

Edith B. Thompson

From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Wednesday, July 22, 2020 11:37 AM
To: Rivandra (Ravi) Gogineni
Cc: Editha F. Beltran-Thompson; pragathi@infratechintl.com
Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT
Attachments: RE_ Existing Utilities Relocation.eml (296 KB); Untitled attachment 00007.html; 2796_001.pdf; Untitled attachment 00010.html

Ravi,

I reviewed your daily reports. The work in question was complete on Oct 21(as shown below). My Email of January 16 is a complete assessment of the work done at this point repair on both sides of the water line concrete easement. I will recommend this (attached marked up fee to GWA.

Further to this, subsequent review of the contact documents did indicate the comm lines in this area, so justification as to what any claim is due will be needed. I will use your email response on March 22, 2020 as justification for what the attached CO should be processed.

Regards

Ken

171-ITEM #3

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
PROJECT NO.: SIS-002-EPA

PRICE PROPOSAL FOR ADDITIONAL WORK DUE TO UTILITIES

ITEM NO.	DESCRIPTION	QTY.	HRS/DA Y	DUR.	T.QTY.	UNIT	U. COST	MTLS.	EQUIP.	LABOR	OTHERS	T. D. COST	UNIT PRICE	TOTAL PRICE
1	Additional Trench Excavation for Pipe Repair Work inclusive of flowable fill, crushed rock, non-woven fabric, shoring and backfilling (0'-10' Depth)	80 LF											648.90 In lieu of Bid Item 2	
	Flowable Fill	43	1	1	43	CY	105.72	5,203.00	-	-	-	5,203.00	44.10	Bid Item 11
	Crushed Rock	29	39	43	43	Tons	-	-	-	-	-	-	693.00	55,440.00
	Non-Owen Fabric	1	1	1	1	Roll	-	-	-	-	-	-		
	Trench Shield	1	1	1	1	Mo.	4,362.30	-	-	21,811.15	-	4,362.30		
	Excavator	1	8	8	8	Hrs.	75.00	-	9,000.00	4,800.00	-	9,000.00		
	Backhoe	1	8	8	8	Hrs.	65.00	-	7,800.00	4,680.00	-	7,800.00		
	Dump Truck	1	8	8	8	Hrs.	65.00	-	2,080.00	10,400.00	-	2,080.00		
	Plate Compactor	1	1	1	1	Days	125.00	-	1,875.00	2,500.00	-	1,875.00		
	Jumping Jack	1	1	1	1	Days	125.00	-	1,875.00	2,500.00	-	1,875.00		
	Labor	3	8	15	360	Hrs.	-	-	-	-	-	-		
	Labor - Subcontractor (See Attached)	1	1	1	1	LS	12,720.00	-	-	13,201.15	12,720.00	12,720.00		
	SUB-TOTAL							5,203.00	26,992.30	-	12,720.00	44,915.30		
	WCI		7.50%						-	-	-	-		
	SST		7.65%						-	-	-	-		
	SUB-TOTAL							5,203.00	26,992.30	9,801.15	12,720.00	44,915.30		
	P & O		15%					499,522.80	4,048.85	-	-	4,829.30		
			5%								636.00	636.00		
	SUB-TOTAL							5,983.45	31,041.15	-	13,356.00	50,380.60		
	Bonds		3.04%					181.90	943.65	-	406.02	1,531.57		
	GRAND TOTAL							6,165.35	31,984.80	-	13,762.02	51,912.17		

3,946.13 15,642.83

33,350.98

NOTES:

- 1) We are requesting 1 month for this extra work for the quantity identified in the proposal.
- 2) Our proposal is based on the estimated quantity. Total price and duration will be determined based on the actual quantities.

Edith B. Thompson

From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Thursday, January 16, 2020 5:13 PM
To: John Riegel
Cc: George Watson; Editha F. Beltran-Thompson
Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

Yep

On Jan 16, 2020, at 5:13 PM, John Riegel <JRiegel@BrwnCald.com> wrote:

So it covers extra work due to the comm lines?

From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Thursday, January 16, 2020 5:10 PM
To: John Riegel <JRiegel@BrwnCald.com>
Cc: George Watson <gwatson@BrwnCald.com>; Editha F. Beltran-Thompson <ebthompson@dcaguam.com>
Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

There are 5 change order proposal that Ravi has submitted.

1. Heavy Cleaning
2. Additinoal excavation for utility impacts
3. Increase bypass Duration
4. Increase TCP duration
5. Waterline relocation

This covers item 2. My last suggestion was to simply use existing bid items, but Ravi rejected the Idea. So I went with the daily reports

On Jan 16, 2020, at 4:42 PM, John Riegel <JRiegel@BrwnCald.com> wrote:

Exactly what is this for? I am confused between the subject line, the note written on the top of the attached mark-up, and the name of the bid item.

From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Thursday, January 16, 2020 4:05 PM
To: George Watson <gwatson@BrwnCald.com>; John Riegel <JRiegel@BrwnCald.com>
Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>
Subject: Fwd: Heavy Cleaning Summary AND UTILITY IMPACT

FYI

Begin forwarded message:

From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT
Date: January 16, 2020 at 4:04:18 PM GMT+10
To: Ravindra Gogineni <ravi@infratechintl.com>
Cc: "Editha F. Beltran-Thompson" <ebthompson@dcaguam.com>, pragathi@infratechintl.com

Ravi,

See attached edits to your latest subject proposal.

Using both Infratech and DCA daily reports, the works associated with the trench expansion excavation started on 9/18 with saw cutting and ended on 9/26. Backfilling commenced on 10/16 and ended on 10/21. DCA and Infratech reports are consistent with the back hoe, excavator and dump truck use. The total volume of flowable will was 63 cyds, so I allowed for half.

The total duration related to trench expansion was 15 days if I include weekends, therefor I allowed for 0.5 months for the trench Box.

Regarding labor I allowed for the entire sub fee to apply.

I have attached my mark up with the times and qualities adjusted. All unit rates remained the same. This approach is a true and fair reflection of the effort rated to track expansion based on our daily reports. Please offer your concurrence so we can move this forward to B&C/GWA

For your use, I have provided a link to the relevant DCA daily reports.

<https://1drv.ms/u/s!Ap5ihUxOPyJRo1LL3MZz7uPrzzuK?e=FIE4LY>

Regards

Ken

On Dec 27, 2019, at 11:31 AM, Ravindra B. Gogineni <ravi@infratechintl.com> wrote:

Ken,

Please take a look at the revised proposal. I just cut 25% of the equipment time and removed InfraTech labor from the estimate to continue the positive spirit and close the item. I also removed the items covered under Bid Item 11 and used the unit cost of Bid Item 11. As you will see I am not including InfraTech's field supervision cost also. Bid

Item 2 covers unclassified excavation and actual excavation is difficult and taking longer because of the obstructions caused by the existing utilities. You all are aware that we are not able to either excavate or backfill in normal way. Please take a look at the revised proposal and let me know if you have any questions. I am hoping that you will understand and agree with me on the rationale behind my request. Thank you very much.

Best Regards,
Ravindra B. Gogineni
Vice President
<image003.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a)
Participant
118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
Email: ravi@infratechintl.com

<image004.jpg> **2016, 2017 & 2018**
STEP (Safety Training Evaluation Process) Diamond Award
Winner

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From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Thursday, December 26, 2019 6:00 PM
To: Ravindra Gogineni <ravi@infratechintl.com>
Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>
Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

Ravi,

I have attached my review to your utility impact proposal.

As it stands the impact is in an area where the sewer line is between 0-10ft. I recognize that we may see impact at areas between 10-20. The

approach provided here will allow us to cover the 10-20 areas, if and when encountered.

As a maximum, the unit cost of the subject impact should not exceed bid items 2 and 11. The attached provided this. I will need to get concurrence with this approach first.

I accepted it may allow you to bill this item right away.

I will send my recommendation along to B&C/GWA before the end of the year. Please review and offer your input.

Regards

Ken

<Estimate - Additional Work Due to Utilities (0-10').pdf>

Kenneth M. Rekdahl, PE
Chief of Special Projects
Duenas, Camacho & Associates, Inc.
671-477-7991

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671-477-7991

IF1-ITEM #3

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
PROJECT NO.: SIS-002-EPA

PRICE PROPOSAL FOR ADDITIONAL WORK DUE TO UTILITIES

ITEM NO.	DESCRIPTION	QTY.	HRS/DA Y	DUR.	T.QTY.	UNIT	U. COST	MTLS.	EQUIP.	LABOR	OTHERS	T. D. COST	UNIT PRICE	TOTAL PRICE
1	Additional Trench Excavation for Pipe Repair Work inclusive of flowable fill, crushed rock, non-woven fabric, shoring and backfilling (0'-10' Depth)	80 LF											648.90	In lieu of Bid Item 2
	Flowable Fill	43	1	1	43	CY	105.72	-5,203.00	-	-	-	5,203.00	44.10	Bid Item 11
	Crushed Rock	29	39	43	43	Tons	-	-	-	-	-	-	693.00	55,440.00
	Non-Owen Fabric	1	1	1	1	Roll	-	-	-	-	-	-		
	Trench Shield	1	1	1	1	Mo.	4,362.30	-	4,362.30	21,841.15	-	4,362.30		
	Excavator	1	8	8	8	Hrs.	75.00	-	9,000.00	4,800.00	-	9,000.00		
	Backhoe	1	8	8	8	Hrs.	65.00	-	7,800.00	4,680.00	-	7,800.00		
	Dump Truck	1	8	8	8	Hrs.	65.00	-	2,080.00	1,040.00	-	2,080.00		
	Plate Compactor	1	1	1	1	Days	125.00	-	1,875.00	3,250.00	-	1,875.00		
	Jumping Jack	1	1	1	1	Days	125.00	-	1,875.00	3,250.00	-	1,875.00		
	Labor	3	8	15	360	Hrs.	-	-	-	-	-	-		
	Labor - Subcontractor (See Attached)	1	1	1	1	LS	12,720.00	-	-	13,201.15	12,720.00	12,720.00		
	SUB-TOTAL						-5,203.00	26,992.30	-	12,720.00		44,915.30		
	WCI		7.50%							-		-		
	SST		7.65%							-		-		
	SUB-TOTAL						5,203.00	26,992.30	9,800.00	12,720.00		44,915.30		
	P & O		15%				499,527.80	45	4,048.85	-	636.00	4,829.30		
			5%							-	636.00	636.00		
	SUB-TOTAL						5,983.45	31,041.15	-	13,356.00		50,380.60		
	Bonds		3.04%				181.90	943.65	-	406.02		1,531.57		
	GRAND TOTAL						6,165.35	31,984.80	-	13,762.02		51,912.17		

3,946.13 15,642.83

33,350.96

NOTES:

- 1) We are requesting 1 month for this extra work for the quantity identified in the proposal.
- 2) Our proposal is based on the estimated quantity. Total price and duration will be determined based on the actual quantities.

SEWER RE-ALIGNMENT

Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>
Sent: Tuesday, May 26, 2020 5:28 PM
To: kmrekdahl@dcaguam.com
Cc: 'Editha F. Beltran-Thompson'; naresh@infratechintl.com; 'Pragathi Gogineni'
Subject: Asan-Adelupe Sewer Line Realignment Proposal
Attachments: Pipe Realignment Proposal.pdf; MH Upgrade Proposal.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Ken,

Attached are the two separate proposals for Realignment & MH Upgrade for your review.

Best Regards,
Ravindra B. Gogineni
Vice President



EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
Email: ravi@infratechintl.com



2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

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PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR REALIGNMENT

Item No.	Description	Qty	HRS	DUR.	T. QTY.	UNIT	U. PRICE	MTLS.	EQUIP.	LABOR		T. D. COST
										SUBCON	PRIME	
1	Realignment of Installed Pipes MHs 20A Upstream	60 LF										
	Bedding Sand	27	36	41	50	Tons	33.50	1,675.00	-	-	-	1,675.00
	Geotextile	1	1	1	1	LS	250.00	250.00	-	-	-	250.00
	Concrete	15	1	1	15	Ea.	25.00	375.00				375.00
	Backhoe	1	8	5	40	Hrs.	65.00	-	2,600.00	-	-	2,600.00
	Dump Truck	1	8	2	16	Hrs.	75.00	-	1,200.00	-	-	1,200.00
	Labor	2	8	2	32	Ea.	22.00	375.00	-	-	704.00	704.00
	Labor - Subcon	1	1	1	1	LS	3,336.32	-	-	3,336.32	-	3,336.32
	SUB-TOTAL							2,675.00	3,800.00	3,336.32	704.00	10,140.32
	Superintendent	1	1	0.25	0.25	Mos.	4,208.33	-	-	-	1,052.08	1,052.08
	Transportation	1	1	0.25	0.25	Mos.	512.00	-	128.00	-	-	128.00
	Gas Allowance	1	1	0.25	0.25	Mos.	300.00	-	75.00	-	-	75.00
	Health Insurance	1	1	0.25	0.25	Mos.	327.00	-	-	-	81.75	81.75
	Vacation Pay	1	1	0.25	0.25	Mos.	140.27	-	-	-	35.07	35.07
	SUB-TOTAL							2,675.00	4,003.00	3,336.32	1,872.90	11,512.22
	Workmen Comp. Insurance	7.50%						-	-	-	140.47	140.47
	Social Security Tax	7.65%						-	-	-	143.28	143.28
	SUB-TOTAL							2,675.00	4,003.00	3,336.32	2,156.65	11,795.97
	P & O	15%						401.25	600.45	-	323.50	1,325.20
		5%						-	-	166.82	-	166.82
	SUB-TOTAL							3,076.25	4,603.45	3,503.14	2,480.14	13,287.98
	Bonds	3.04%						93.52	139.94	106.50	75.40	403.95
	GRAND TOTAL							3,169.77	4,743.39	3,609.63	2,555.54	13,691.93

NOTES:

- 1) We are requesting 5 days for this extra work for the quantity identified in the proposal.
- 2) InfraTech will follow the slope of .001 ft/ft as provided by DCA.
- 3) Above proposal does not include the bypass operations and will be computed as part of the out standing bypass claim based on the additional days.

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR MH 20ASAN UPGRADE

Item No.	Description	Qty	HRS	DUR.	T. QTY.	UNIT	U. PRICE	MTLS.	EQUIP.	LABOR		T. D. COST
										SUBCON	PRIME	
1	Realignment of Installed Pipes MHs	60	LF									
	Concrete	15	1	1	15	Ea.	25.00	375.00				375.00
	Vactor Truck	1	8	1	8	Hrs.	350.00		2,800.00			2,800.00
	Chipping Gun	1	1	1	1	Day	125.00		125.00			125.00
	Portable Generator	1	1	1	1	Day	200.00		200.00			200.00
	Pipe Cutter	1	1	1	1	Day	125.00		125.00			125.00
	Labor	2	8	1	16	Ea.	22.00	375.00		-	352.00	352.00
	Labor - Subcon	1	1	1	1	LS	2,034.24	-	-	2,034.24	-	2,034.24
	SUB-TOTAL							750.00	3,250.00	2,034.24	352.00	6,011.24
	Superintendent	1	1	1	0.1	Mos.	4,208.33	-	-	-	420.83	420.83
	Transportation	1	1	1	0.1	Mos.	512.00	-	51.20	-	-	51.20
	Gas Allowance	1	1	1	0.1	Mos.	300.00	-	30.00	-	-	30.00
	Health Insurance	1	1	1	0.1	Mos.	327.00	-	-	-	32.70	32.70
	Vacation Pay	1	1	1	0.1	Mos.	140.27	-	-	-	14.03	14.03
	SUB-TOTAL							750.00	3,331.20	2,034.24	819.56	6,560.00
	Workmen Comp. Insurance	7.50%						-	-	-	61.47	61.47
	Social Security Tax	7.65%						-	-	-	62.70	62.70
	SUB-TOTAL							750.00	3,331.20	2,034.24	943.72	6,684.16
	P & O	15%						112.50	499.68		141.56	753.74
		5%						-	-	101.71	-	101.71
	SUB-TOTAL							862.50	3,830.88	2,135.95	1,085.28	7,539.61
	Bonds	3.04%						26.22	116.46	64.93	32.99	229.20
	GRAND TOTAL							888.72	3,947.34	2,200.88	1,118.27	7,768.82

NOTES:

- 1) We are requesting 2 days for this extra work for the quantity identified in the proposal.
- 2) Above proposal does not include the bypass operations and will be computed as part of the out standing bypass claim based on the additional days.

PROJECT: ASAN-ADELUP-HACATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR REALIGNMENT

Item No.	Description	Qty	HRS	DUR.	T. QTY.	UNIT	U. PRICE	MTLS.	EQUIP.	LABOR		T. D. COST
										SUBCON	PRIME	
1	Realignment of Installed Pipes MHs 20A Upstream	60 LF										
	Bedding Sand	27	36	41	50	Tons	33.50	1,675.00	-	-	-	1,675.00
	Geotextile	1	1	1	1	LS	250.00	250.00	-	-	-	250.00
	Concrete	15	1	1	15	Ea.	25.00	375.00	-	-	-	375.00
	Backhoe	1	8	5	40	Hrs.	65.00	-	2,600.00	-	-	2,600.00
	Dump Truck	1	8	2	16	Hrs.	75.00	-	1,200.00	-	-	1,200.00
	Labor	2	8	2	32	Ea.	22.00	375.00	-	-	704.00	704.00
	Labor - Subcon	1	1	1	1	LS	3,336.32	-	-	3,336.32	-	3,336.32
	SUB-TOTAL							2,675.00	3,800.00	3,336.32	704.00	10,140.32
	Superintendent	1	1	0.25	0.25	Mos.	4,208.33	-	-	-	1,052.08	1,052.08
	Transportation	1	1	0.25	0.25	Mos.	512.00	-	128.00	-	-	128.00
	Gas Allowance	1	1	0.25	0.25	Mos.	300.00	-	75.00	-	-	75.00
	Health Insurance	1	1	0.25	0.25	Mos.	327.00	-	-	-	81.75	81.75
	Vacation Pay	1	1	0.25	0.25	Mos.	140.27	-	-	-	35.07	35.07
	SUB-TOTAL							2,675.00	4,003.00	3,336.32	1,872.90	11,512.22
	Workmen Comp. Insurance	7.50%						-	-	-	140.47	140.47
	Social Security Tax	7.65%						-	-	-	143.28	143.28
	SUB-TOTAL							2,675.00	4,003.00	3,336.32	2,156.65	11,795.97
	P & O	15%						401.25	600.45	-	323.50	1,325.20
		5%						-	-	166.82	-	166.82
	SUB-TOTAL							3,076.25	4,603.45	3,503.14	2,480.14	13,287.98
	Bonds	3.04%						93.52	139.94	106.50	75.40	403.95
	GRAND TOTAL							3,169.77	4,743.39	3,609.63	2,555.54	13,691.93

NOTES:

- 1) We are requesting 5 days for this extra work for the quantity identified in the proposal.
- 2) InfraTech will follow the slope of 001 ft/ft as provided by DCA.
- 3) Above proposal does not include the bypass operations and will be computed as part of the out standing bypass claim based on the additional days.

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From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Friday, June 19, 2020 3:44 PM
To: Ravindra Gogineni <ravi@infratechintl.com>
Cc: John Riegel <JRiegel@BrwnCald.com>; Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Vince Pereda <vqpereda@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com>
Subject: Re: SMH20A and SMH20 Pipe Alignment.

Ravi,

After visiting the site today with John and Naresh this is what we propose:

Reset the upstream PVC pipe segment so that the deflection can be minimized. The will require pulling back the fill and shifting the pipe toward the roadway, see attached.

Please let us know when you will start. I will have our inspector there to log time, material and equipment use.

I am available anytime this weekend if you have an alternate approach that yo who'd like to share.

Regards

Ken

Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>
Sent: Sunday, June 21, 2020 9:33 PM
To: 'Kenneth M. Rekdahl'
Cc: 'John Riegel'; 'Editha F. Beltran-Thompson'; 'Vince Pereda'; 'Naresh Infratech'
Subject: RE: SMH20A and SMH20 Pipe Alignment.
Attachments: Pipe Realignment Proposal.pdf

Importance: High

Ken,

As stated in your email dated October 8, 2019, the funding source for this project does not allow for T&M or force account approach, I am sending you the proposal for the removal and installation of installed PVC pipe with deflection as shown in the cross section provided you. I am hoping that we could reach to an agreement in the meeting. The information gathered during your site visit itself demonstrate that differing site conditions exist as the foundation of the underground facility that is not shown in the drawings is conflicting with the cross section provided by you. We followed the cross section provided to us as per the contract. Let me know what time in the morning you are available to discuss this matter. I recommend that we have a meeting on the field so the you all can see the differing site conditions once again if you have any doubts. Thank you.

Best Regards,
Ravindra B. Gogineni
Vice President



EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
Email: ravi@infratechintl.com



2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

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From: Kenneth M. Rekdahl <kmrekdahl@dcaguam.com>
Sent: Saturday, June 20, 2020 4:35 PM
To: ravi@infratechintl.com

Cc: John Riegel <JRiegel@brwnald.com>; Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Vince Pereda <vqpereda@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com>
Subject: Re: SMH20A and SMH20 Pipe Alignment.

Ravi,

To aid in this decision, we will need justification that this is an unforeseen condition. Please submit your basis for this for review.

We will be monitoring this while we receive and review your basis. If we all agree this is unforeseen then we will use the monitoring to develop the cost for the additional work.

This work must be done swiftly as there is a possibility that without shoring the open trench will pose a public safety risk. This is why we are proceeding in this fashion.

Regards

Ken

Sent from my iPad

On Jun 19, 2020, at 10:57 PM, Ravindra B. Gogineni <ravi@infratechintl.com> wrote:

Ken,

Just to make sure that we are on the same page and for me to discuss with our subcontractor, monitoring of materials, equipment and labor by your inspector is required for invoicing the additional costs based on those documents? Let me know. Thank you.

Best Regards,
Ravindra B. Gogineni
Vice President
<image001.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant
118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
Email: ravi@infratechintl.com

<image002.jpg>

2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond Award Winner

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Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>
Sent: Thursday, May 28, 2020 9:02 AM
To: 'Ken Rekdahl'
Cc: 'Editha F. Beltran-Thompson'; 'Naresh Infratech'; 'Pragathi Gogineni'
Subject: RE: Asan-Adelupe Sewer Line Realignment Proposal

Ken,

I am not able to understand your statement. We had been proactive from the beginning of the project. We acknowledge and understand that 1396 & 98 is called first in the order. We discussed about this in the progress meetings on what led to the change in the plan. We would have been near completion of the point repairs, if not the different site conditions and invert elevations error in the bid documents. We would be happy to discuss once again in the today's progress meeting.

**Best Regards,
Ravindra B. Gogineni
Vice President**



EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

**118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
Email: ravi@infratechintl.com**



2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

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From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Thursday, May 28, 2020 8:49 AM
To: Ravindra Gogineni <ravi@infratechintl.com>
Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com>; Pragathi Gogineni <pragathi@infratechintl.com>
Subject: Re: Asan-Adelupe Sewer Line Realignment Proposal

We expect Infratech to stay proactive in moving this work forward. Please keep urgency on this, recall this site has been called out as a critical repair for GWA.

Edith, please make sure this is an item for discussion on today's meeting

Ken

On May 28, 2020, at 8:06 AM, Ravindra B. Gogineni <ravi@infratechintl.com> wrote:

Ken,

We thought about moving to another location. As I brought to your attention when we discussed about this over the phone. We will have to close both the north bound lanes. We will have to procure another set of Traffic Control Equipment. We were not able to complete the line guard installation process because GPA was closed due to the pandemic. We are working with GPA to install the line guards. We need to install sheet piles and submit the revised TCP to DPW for their approval.

**Best Regards,
Ravindra B. Gogineni
Vice President**

<image002.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant
118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
Email: ravi@infratechintl.com

<image004.jpg> **2016, 2017, 2018 & 2019 STEP (Safety Training
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From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Wednesday, May 27, 2020 3:54 PM
To: Ravindra Gogineni <ravi@infratechintl.com>
Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com>; Pragathi Gogineni <pragathi@infratechintl.com>
Subject: Re: Asan-Adelupe Sewer Line Realignment Proposal

Ravi

I am working with B&C now and am waiting for a bit more information from them.

It may likely be that this item of pipe realignment is unresolved and we move it up to GWA to decide, but before we go there I'd like to work with you a bit more to come to an agreement.

Related to this I am waiting on feedback from Guam EPA on the pipe encasement. It may be best for you to look at opening a second work area by the GWA bypass. What factors are keeping you from this?

Ken

On May 27, 2020, at 3:26 PM, Ravindra B. Gogineni <ravi@infratechintl.com> wrote:

Ken,

Please see my response below. As you said, I will wait for your phone call.

**Best Regards,
Ravindra B. Gogineni
Vice President**

<image002.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant
118 Aspengao CT.
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<image004.jpg> **2016, 2017, 2018 & 2019 STEP
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From: Ken Rekdahl <kmrekdhahl@dcaguam.com>
Sent: Wednesday, May 27, 2020 1:09 PM
To: Ravindra Gogineni <ravi@infratechintl.com>
Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com>; Pragathi Gogineni <pragathi@infratechintl.com>
Subject: Re: Asan-Adelupe Sewer Line Realignment Proposal

Ravi,

Give me a call after you have had a chance to review this.

I have reviewed the proposal you provided and the contract documents and I have also discussed this matter in with with B&C. There are two items that we need to discuss before we can recommended this to GWA:

SMH 20 invert adjustment is \$7,768.82 has too much overhead and manpower associated with it. Please justify why you have 7 persons on this effort. I do not know on what basis you are saying overhead is too much. We only included the overhead allowed in the contract. We would be happy to take out anything that does not comply with the contract. Regarding the manpower, our pricing is based on our hands-on experience on this project, and I believe that the manpower charged is reasonable.

Regarding the \$13,691.91 claim for 60ft sewer line realignment.

\$13,691/60= \$228 > \$199.85 Bid item 14. Bid item 14 includes excavation, fill, the pipe and all incidentals. The effort should only be here is to reset pipe that is already in a trench that where the cost to dig, backfill this trench and supply the pipe is covered by point repair. I do not know how you are interpreting the bid schedule. Bid Item 14 is for installation of the pipe and associated fittings only. Bid Item 2 covers the excavation and other associated works. The total unit price for excavation and installation per the bid schedule is \$548.54. Our price to realign is around \$228, which is 41.56% of the bid price.

Also,

The contractor provided information on inverts was found to be in error and the actual slope between SMH 20 and 20A was found to be adverse. The corrected information has triggered a revision to the approach. The contractor was reminded to verify these inverts before proceeding. Infratech is reminded about specification 33 01 30.74 parts 4.1 E and F. Both of which pertain to the abandonment of point repair by excavation and by Video. Either one of these sections could apply here, but we have decided to pay for this 60 ft as a point repair with no further consideration. Your statement about contractor providing erroneous inverts is incorrect and does not apply. I sent an email stating clearly that contractor will not be liable for the inverts because the slope and cross section should be provided by the Engineer per the specification 33 01 30.74 part 3.1.A.2. When we verified the inverts, Edith, DCA Engineer was not only present on the site, but also read the rod readings along with our personnel and she confirmed the rod readings. The contractor is not required to provide inverts or determine the uniform slopes per the specifications. Inverts given in the bid documents are completely off. If you have any questions, please contact EOR on this matter. InfraTech is being blamed for its good faith efforts in working with the Inspector to keep the project moving forward and complete the work at the earliest possible. Also, we are not abandoning the point repair as stated in your email. We have to continue the point repair in order to fix the slope/sag issues between MHs 20Asan & 20AAsan. Therefore, specification 33 01 30.74 parts 4.1.E and F is not relevant.

Regards

Ken

On May 26, 2020, at 5:28 PM, Ravindra B. Gogineni
<ravi@infratechintl.com> wrote:

Ken,

Attached are the two separate proposals for Realignment & MH Upgrade for your review.

**Best Regards,
Ravindra B. Gogineni
Vice President**

<image001.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a)

Participant

118 Aspengao CT.

Barrigada, Guam 96913

Ph: 671-888-5670

Fax: 671-472-5670

Email: ravi@infratechintl.com

<image002.jpg>**2016, 2017, 2018 &**

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<Pipe Realignment Proposal.pdf><MH Upgrade Proposal.pdf>

Kenneth M. Rekdahl, PE
Chief of Special Projects
Duenas, Camacho & Associates, Inc.
671-477-7991

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Kenneth M. Rekdahl, PE
Chief of Special Projects
Duenas, Camacho & Associates, Inc.
671-477-7991

PROJECT: ASAN-ADELUP-HAGAITNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
PROJECT NO.: SIS-002-EPA

PRICE PROPOSAL FOR REALIGNMENT

2 DAYS

Item No.	Description	Qty	HRS	DUR.	T. QTY.	UNIT	U. PRICE	MTLS.	EQUIP.	LABOR		T. D. COST
										SUBCON	PRIME	
1	Realignment of installed Pipes MHS 20A Upstream	40.50 LF										
	Bedding Sand	27	36	41	50	Tons	33.50	1,675.00	-	-	-	1,675.00
	Geotextile	1	1	1	1	15	250.00	250.00	-	-	-	250.00
	Concrete	15	1	1	15	Ea.	25.00	375.00	-	-	-	375.00
	Backhoe	1	8	5	40	Hrs.	65.00	2,600.00	-	-	-	2,600.00
	Dump Truck	1	8	1.2	8.16	Hrs.	75.00	1,200.00	-	-	-	1,200.00
	Labor	2	8	1.2	8.16	Ea.	375.00	3,000.00	-	-	-	3,000.00
	Labor - Subcon	1	1	1	1	15	336.32	336.32	-	-	-	336.32
	SUB-TOTAL							2,675.00	3,800.00	3,336.32	704.00	10,140.32
	Superintendent	1	1	0.25	0.25	Mos.	4,208.33	-	-	-	1,052.08	4,208.33
	Transportation	1	1	0.25	0.25	Mos.	512.00	-	128.00	-	-	128.00
	Gas Allowance	1	1	0.25	0.25	Mos.	300.00	-	75.00	-	-	75.00
	Health Insurance	1	1	0.25	0.25	Mos.	327.00	-	-	-	81.75	81.75
	Vacation Pay	1	1	0.25	0.25	Mos.	140.27	-	-	-	35.07	35.07
	SUB-TOTAL							2,675.00	4,003.00	3,336.32	1,872.90	11,512.22
	Workmen Comp. Insurance	7.50%					-	-	-	-	140.47	140.47
	Social Security Tax	7.65%					-	-	-	-	143.28	143.28
	SUB-TOTAL							2,675.00	4,003.00	3,336.32	2,156.65	11,795.97
	P & O	15%					401.25	600.45	-	-	323.50	1,325.20
		5%					-	-	-	-	-	-
	SUB-TOTAL							3,076.25	4,603.45	3,503.14	2,480.14	13,287.98
	Bonds	3.04%					93.52	139.94	106.50	75.40	403.95	403.95
	GRAND TOTAL							3,169.77	4,743.39	3,609.63	2,555.54	13,691.93

NOTES:

- 1) We are requesting 5 days for this extra work for the quantity identified in the proposal.
- 2) InfraTech will follow the slope of .001 ft/ft as provided by DCA
- 3) Above proposal does not include the bypass operations and will be computed as part of the out standing bypass claim based on the additional days.

COMPILATION OF REPORTS

ROUTE 1 - SEWER REHABILITATION AND REPLACEMENT (ASAN-ADELUP-HAGATNA) PHASE-1

DATE	CPR NO.	ACTIVITY
19-Jun-20	385	1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A 2. Clearing excavated materials and demolished concrete blocks from excavated area to the stock pile at the site. 3. Jobsite shutdown due to DCA instructed us to standby before pouring the flowable fill for the pipe encasement next to the underground water tank because of deflection issues.
20-Jun-20	386	1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A 2. No activity due to weekend.
21-Jun-20	387	1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A 2. No activity due to weekend.
22-Jun-20	388	1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A 2. No activity (Waiting for DCA approval on Change order to re-excavate and adjust the deflection on the PVC pipe starting at 60ft from SMH20A)
23-Jun-20	389	1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A 2. No activity (Waiting for DCA approval on Change order to re-excavate and adjust the deflection on the PVC pipe starting at 60ft from SMH20A)
24-Jun-20	390	1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A 2. Excavating and widening the trench back from 80ft coupling to 60ft coupling and exposing the new PVC pipe prior to adjust the deflection as per DCA instruction. 3. Deflecting the PVC pipe from 60ft coupling to 80ft coupling 8 inches from center as per DCA instruction. 4. Adding the bedding sand and geotextile after adjusting the deflection from 60ft to 80ft section 5. Flowable fill pouring for the pipe encasement from 60ft to 100ft section next to the underground water tank as per change order.
25-Jun-20	391	1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A 2. Backfilling the trench from 60ft to 90ft for the first layer and compacting. 3. Excavating and placing the new PVC pipe from 100ft to 120ft and deflecting the pipe back to the manhole. 4. Burying the asbestos pipe next to the PVC pipe in the trench as per DCA instructions and change order. 5. Flowable fill pouring for the PVC pipe and encasement and asbestos from 100ft to 120ft section next to the underground water tank as per change order.



KPL GUAM CO., LTD.
GENERAL CONTRACTOR

Unit 203 Photo Town Plaza
353 Chalan San Antonio
Tamuning, Guam 96913

Project: Route 1 Sanitary Sewer Line Rehabilitation and Replacement - **SPOT REPAIR**
Location: Asan - Adelup Guam

Date: May 16, 2020

Subject: Change Order - Exploration and Demolition of Existing Concrete Encasement and Disposal of Concrete Debris (SMH 20 to SMH 20A)

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
1	Exploration and Demolition of Existing Concrete Encasement and Disposal of Concrete Debris - SMH 20 to SMH 20A	1	lot		
	Additional Labor Cost				
	Project Engineer	1	lot	\$ 1,000.00	\$ 1,000.00
	Supervisor / Engineer(1man)	40	HRS	\$ 37.00	\$ 296 1,480.00
	Skilled (1man)	40	HRS	\$ 26.52	\$ 212.16 1,060.80
	Semi-Skilled (1 man)	40	HRS	\$ 21.24	\$ 169.92 849.60
	TOTAL COST - ADDITIONAL				\$ 4,390.40 \$ 878.08
	NOTE: Exclusion at no cost to KPL Guam				
	1. Using typical standard concrete/rock braker with Excavator - by Infratech				
	2. Dumptruck and dumping site - by Infratech				

NIGHTTIME WORK

Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>
Sent: Friday, May 29, 2020 6:56 AM
To: 'Ken Rekdahl'
Cc: 'Editha F. Beltran-Thompson'; 'Naresh Infratech'; 'Pragathi Gogineni'
Subject: RE: RT 1 - Work Across Marine Drive

Follow Up Flag: Follow up
Flag Status: Flagged

Ken,

Forklift will be used to place/remove the jersey barriers at the site on a daily basis.

Best Regards,
Ravindra B. Gogineni
Vice President



EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

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Barrigada, Guam 96913
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2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

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From: Ken Rekdahl <kmrekdahl@dcaguam.com>
Sent: Thursday, May 28, 2020 4:15 PM
To: Ravindra Gogineni <ravi@infratechintl.com>
Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com>; Pragathi Gogineni <pragathi@infratechintl.com>
Subject: Re: RT 1 - Work Across Marine Drive

Forklift?

On May 28, 2020, at 3:13 PM, Ravindra B. Gogineni <ravi@infratechintl.com> wrote:

Edith,

See my response below in you email.

Best Regards,
Ravindra B. Gogineni
Vice President
<image002.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant
118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
Email: ravi@infratechintl.com

<image004.jpg> **2016, 2017, 2018 & 2019 STEP (Safety Training
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From: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>
Sent: Thursday, May 28, 2020 1:13 PM
To: ravi@infratechintl.com
Cc: kmrekdhahl@dcaguam.com; 'Naresh Infratech' <naresh@infratechintl.com>; 'Pragathi Gogineni' <pragathi@infratechintl.com>
Subject: RE: RT 1 - Work Across Marine Drive

Hi Ravi,

Please clarify my questions.

1. Is this for work along Marine Drive only? **Yes, only for crossing the Marine Drive (MHs 97 to 98)**
2. Why there are 2 mobilization cost? **That is how Morrico is Charging.**
3. What is the diesel for? **Diesel is for Light Towers & Forklift.**

Thank you,
Edith

From: Ravindra B. Gogineni [<mailto:ravi@infratechintl.com>]
Sent: Thursday, May 28, 2020 12:40 PM
To: 'Editha F. Beltran-Thompson'
Cc: kmrekdhahl@dcaguam.com; 'Naresh Infratech'; 'Pragathi Gogineni'
Subject: RE: RT 1 - Work Across Marine Drive

Edith,

See the attached cost impact for the night work. Let us know if you have any questions. Thank you.

Best Regards,
Ravindra B. Gogineni
Vice President

<image008.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670
Fax: 671-472-5670
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<image009.jpg> **2016, 2017, 2018 & 2019 STEP (Safety Training
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From: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>
Sent: Tuesday, May 26, 2020 11:38 AM
To: 'Ravindra B. Gogineni' <ravi@infratechintl.com>
Cc: kmrekdhahl@dcaguam.com
Subject: RT 1 - Work Across Marine Drive

Hi Ravi,
Please submit your anticipated cost impact associated with nighttime work.

Thanks and regards,
Editha F. Beltran-Thompson
Project Construction Engineer – Special Projects
Duenas Camacho & Associates, Inc.
P.O. Box 8900
Tamuning, Guam 96931
238 E. Marine Corps Drive, Suite 201
Hagatna, Guam 96910
Tel: (671) 477-7991
<image010.png>

Kenneth M. Rekdahl, PE
Chief of Special Projects
Duenas, Camacho & Associates, Inc.
671-477-7991

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
NO.: SIS-002-EPA

ADDITIONAL COST FOR NIGHT WORK

Item No.	Description	Qty	HRS	DUR.	T. QTY.	UNIT	U. PRICE	MTLS.	EQUIP.	LABOR	OTHERS	T. D. COST
1	Night Work Cost	1	LS									
	Tower Light	2	1	1	2	EA.	1,250.00		2,500.00			2,500.00
	Mobilization	1	1	1	1	LS	150.00		150.00			150.00
	Forklift	1	1	1	1	Mo.	2,195.00		2,195.00			2,195.00
	Mobilization	1	1	1	1	LS	150.00		150.00			150.00
	Diesel	70	1	30	2100	Gals.	4.76	9,996.00		2,142		9,996.00
	Labor for Traffic Control Daily	3	2	30	180	Hrs.	24.00	7,111.90		4,320.00		4,320.00
	SUB-TOTAL							9,996.00	4,995.00	4,320.00		19,311.00
	WCI		7.50%					-	-	324.00		324.00
	SST		7.65%					-	-	330.48		330.48
	SUB-TOTAL							9,996.00	4,995.00	4,974.48		19,965.48
	P & O		15%					1,499.40	749.25	746.17		2,994.82
	SUB-TOTAL							11,495.40	5,744.25	5,720.65		22,960.30
	Bonds		3.04%					349.46	174.63	173.91		697.99
	GRAND TOTAL							11,844.86	5,918.88	5,894.56		23,658.30

Operator - \$15.00/hr.

Laborer - \$10.35/hr. (2)

Aveg - \$11.90/hr.

2,920.44

20,684.18

2,142
17,133

CERTIFIED PAYROLL

NAME OF CONTRACTOR INFRA TECH INTERNATIONAL, LLC.			ADDRESS 118 ASPENGAO CT. BARRIGADA, 96913			PROJECT NO. S16-002-EPA													
PAYROLL NO. 76			FOR WEEK ENDING 6/2/2020			PROJECT AND LOCATION Asan-Adelup-Hagana, Route 1 Sewerline Rehabilitation and Replacement													
NAME, ADDRESS, AND SSN OF EMPLOYEE	WH EXEMPTIONS	WORK CLASSIFICATION	ST. OR OT.	DAY AND DATE							TOTAL HOURS	RATE OF PAY	GROSS OF THIS JOB	GROSS AMOUNT EARNED	DEDUCTIONS			NET WAGES PAID FOR WEEK	
				4/26 SUN	4/27 MON	4/28 TUE	4/29 WED	4/30 THU	5/1 FRI	5/2 SAT					FICA	WH TAX	OTHER		TOTAL DEDUCTIONS
JOSEPH, BERTO	S-1	LABORER	O	0.00	0.00	0.00	0.00	0.00	5.50	8.50	14.00	15.53	217.35	631.35	48.30	22.84	0.00	71.14	560.21
XXX-XX-7372			S	8.50	11.50	8.50	8.50	0.00	3.00	0.00	40.00	10.35	414.00						
AIKEN, KIRSTISON	S-1	LABORER	O	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.50	15.53	23.29	437.29	33.45	15.82	0.00	49.28	388.01
XXX-XX-0112			S	6.50	0.00	7.00	8.50	6.50	6.50	5.00	40.00	10.35	414.00						
LUJAN, SAMMY	S-1	DRIVER	O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.50	0.00	510.00	39.02	18.45	0.00	57.47	452.53
XXX-XX-6151			S	0.00	2.00	8.00	8.00	8.00	8.00	0.00	34.00	15.00	510.00						
BENAVANTE, JOEL	S-1	FOREMAN	O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.50	0.00		0.00	0.00	0.00	0.00	0.00
XXX-XX-5586			S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00						
KETE, SILVESTER	S-1	LABORER	O	0.00	0.00	0.00	0.00	8.00	7.50	7.50	23.00	15.53	357.08	771.08	58.99	27.80	0.00	86.89	684.19
XXX-XX-9450			S	7.50	11.50	7.50	5.50	8.00	0.00	0.00	40.00	10.35	414.00						
KUINIHO, ULYSES	S-1	HEO	O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.25	0.00						
XXX-XX-2581			S	0.00	8.00	8.00	8.00	8.00	8.00	0.00	40.00	17.50	700.00	700.00	53.55	25.33	0.00	78.88	621.12



Mailing Address:
Morrigo Equipment LLC
 197 Ypao Road
 Tamuning, Guam 96913
 PH: 671-649-1946

Bank of Hawaii
 134 W. Stead Ave #17,
 Hagåtña, Guam 96910
 SWIFT: BOHGU577
 Wire Routing Number: 131301038
 ACH Routing Number: 121405018
 Account Name: Morrigo Equipment LLC
 EIN: 66-4614067
 Account Number: 0038 048989

Account#	Work Ord	Brc	Sls
2735		01	63

R E N T A L E S T I M A T E

Date	Time	Order #	Page
05-26-20	17:12	1212774	1

Sold To: 000
INFRATECH INTERNATIONAL, LLC
 118 ASPENGAO CT

Ship To:
INFRATECH INTERNATIONAL, LLC
 118 ASPENGAO CT

BARRIGADA

GU 96913

BARRIGADA

GU 96913

Ship Via

Entered By	Customer Purchase Order	Customer Contact	Ord Date
VIVIAN			05-27-20
Model	Serial Number	Equip ID	Customer Job #
			472-5670/788-187

Ord	Ship	B/O	Mfg	Part Number	Description	Bin	Unit Price	UM	Extended
-----	------	-----	-----	-------------	-------------	-----	------------	----	----------

1					HYUNDAI 3 TON DIESEL FORKLIFT				
					190.00/DAY 785.00/WEEK		2195.00/MONTH		
1					ROUND TRIP TRANSPORT				150.00
1					WANCO LIGHT TOWER				
					105.00/DAY 380.00/WEEK		1215.00/MONTH		
1					ROUND TRIP TRANSPORT				150.00

SIGNATURE: _____

Total Amount

Goods returned because of no fault of ours, are subject to a 15% handling charge, and only with consent. All special orders or custom made parts are non-refundable, including all electrical items. No warranties are expressed or implied on goods sold above other than what the manufacturers may warrant, or what Morrigo Equipment LLC may warrant separately in writing.

This invoice is certified true and correct and payment therefore has not been received.

Payment due upon receipt of invoice. A late payment charge of 1-1/2% per month (18% per annum) will be applied on invoices unpaid 30 days from date received. Customer agrees to pay any attorneys fees and cost incurred in collecting past due amounts under this invoice.

BYPASS

111-ITEM #1

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT
PROJECT NO: SIS-002-EPA

PRICE PROPOSAL FOR EXTENDED SPOT REPAIR AREAS BYPASS & TRAFFIC CONTROL

Item No.	Description	Qty	HRS	DUR.	T. QTY.	UNIT	U. PRICE	MTLS.	EQUIP.	LABOR	T. D. COST	UNIT PRICE	UNI	TOTAL PRICE
1	Bypass for Spot Repair of 14" & 16" Pipe	1	Day	1	1	Gals.	4.25	127.50	-	-	127.50	886.25	Day	886.25
	Fuel For Bypass Pump	1	1	1	1	Ea.	125.00	-	125.00	-	125.00			
	Bypass Pump & Labor - Straight Time	2	8	1	16	Hrs.	14.50	-	-	232.00	232.00			
	Labor - Over Time	2	4	1	8	Hrs.	21.75	-	-	174.00	174.00			
2	Traffic Control for Spot Repair of 14" & 16" Pipe	7	Ea.	25	25	Ea.	100.00	2,500.00	-	-	2,500.00	12,013.57	Ea.	84,994.99
	Jersey Barriers	25	1	1	25	Ea.	26.00	5,200.00	-	-	5,200.00			
	Traffic Cones	200	1	1	200	Ea.	65.00	-	7,280.00	-	7,280.00			
	Flatbet	1	8	14	112	Hrs.	65.00	-	7,280.00	-	7,280.00			
	Telehandler	1	8	14	112	Hrs.	75.00	-	8,400.00	-	8,400.00			
	Excavator	1	8	14	112	Hrs.	19.50	-	13,104.00	-	13,104.00			
	Labor (For Placement)	6	8	14	672	Hrs.	19.50	-	18,720.00	-	18,720.00			
	Labor (For Monitoring)	1	8	120	960	Hrs.	19.50	-	-	-	-			
	SUB-TOTAL	1	1	0.5	0.5	Mos.	4,208.33	7,827.50	23,085.00	33,230.00	63,142.50			
	Superintendent	1	1	0.5	0.5	Mos.	512.00	-	-	4,208.33	2,104.17			
	Transportation	1	1	0.5	0.5	Mos.	300.00	-	256.00	-	256.00			
	Gas Allowance	1	1	0.5	0.5	Mos.	327.00	-	150.00	-	150.00			
	Health Insurance	1	1	0.5	0.5	Mos.	140.27	-	-	163.50	163.50			
	Vacation Pay	1	1	0.5	0.5	Mos.	-	-	-	70.14	70.14			
	SUB-TOTAL	1	1	0.5	0.5	Mos.	7,827.50	23,491.00	36,671.97	65,886.30	2,750.40			
	WCI										2,805.41			
	SST										2,805.41			
	SUB-TOTAL	15%					7,827.50	23,491.00	42,227.77	71,442.10				
	P & O						1,174.13	3,523.65	6,334.17	11,031.94				
	SUB-TOTAL	3.04%					9,001.63	27,014.65	48,561.94	82,474.05				
	Bonds						273.65	821.25	1,476.28	2,507.21				
	GRAND TOTAL						9,275.27	27,835.90	50,038.22	84,981.26				

1. Revise based on notes
 Add 15% O&P Allow SST on labor
 204%
 Is 204% need for this?

Exhibit B

**CHANGE ORDER NO. 5**

Project No. & Title: Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
GWA Project No. S15-002-EPA
 Contractor's Name: InfraTech International, LLC

TO: InfraTech International, LLC

You are directed to make changes noted below in the subject contract. The changes are accepted by:

Ravindra B. Gogineni, Vice President

Contractor Representative (Print Name & Title)

G. Ravindra Babu 09/18/2020
 Signature Date

PREPARED BY:

John Riegel P.E.
 Managing Engineer

Date

RECOMMEND APPROVAL:

Barbara Cruz, PE
 Acting Chief Engineer

Date

G.L. NO. S277.105321.420000
 Contract No.: 811 OS
 Vendor No.: 34405
 Amount: \$168,737.93

Nature of Changes:

This Change Order (CO) increases the contract performance time for several items as delineated in the attached summary. It encompasses all claims for additional time through August 3, 2020 AND includes any time for the additional work for the added bid items #58-61 as per this Change Order. In addition, related to this time extension, this Change Order increases the contract amount for additional by-pass pumping related to the items warranting a time extension as per the attached summary. **Bid items #58-61 are added to account for the additional by-pass pumping costs, night work, sewer alignment deflection, and expanded trench width.** See attached summary of additional time.

The attached Measurement and Payment clauses are incorporated as part of this Change Order.

205 Calendar days are added to the contract performance time for the items noted above and attached hereto.

- Enclosures:**
- 1) Summary of additional performance time
 - 2) Measurement and Payment for Bid Item #58 - 61
 - 3) DCA Detailed accounting of justifiable time extension
 - 4) DCA recommendation for additional work items
 - 5) InfraTech letter - Request for additional time

The changes result in the following adjustment of contract price and time:

Contract price prior to this change order	<u>\$6,755,042.49</u>
Net increase from this Change Order (subject to approved terms & conditions)	<u>\$168,737.93</u>
Current contract price including this Change Order	<u>\$6,923,780.42</u>
Contract time prior to this Change Order <u>662</u> calendar days	
Net increase resulting this Change Order <u>205</u> calendar days	
Current contract time including this Change Order <u>867</u> calendar days	

CERTIFIED FUNDS AVAILABLE:

Taling M. Taitano
 Chief Financial Officer, GWA

Date: _____

APPROVED:

Miguel C. Bordallo, PE
 General Manager

Date: _____

(Name & Title)
 Finance/Accounting

Date: _____

Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
GWA Project No. S15-002-EPA
InfraTech International, LLC
CHANGE ORDER #5

ADD the following item to the Bid Schedule:

Measurement and Payment

58. Additional By-pass Pumping

Payment for Additional By-pass pumping associated with all added time through July 23, 2020 for all work under this contract shall be made at the contract unit price based on 127 days of additional by-pass pumping. Payment shall be full compensation for all labor, equipment, fuel, set-up, monitoring, coordination with GWA, and all other items necessary for continuous by-pass pumping required to affect the repair work.

	<u>QTY</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
58. Additional By-Pass Pumping	127	Days	\$823.63	\$104,601.01

59. Expanded Trench Width

Payment for Expanded Trench Width between SMH1402ASAN and SMH18 required to avoid interference with existing communication utilities shall be made at the contract unit price on a lump sum basis. Payment shall be full compensation for all labor, equipment and materials for work required to excavate and backfill the additional trench width required to avoid existing utilities and install sewer repairs as required.

	<u>QTY</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
59. Expanded Trench Width	1	LS	\$33,350.98	\$33,350.98

60. Sewer Alignment Deflection

Payment for Sewer Alignment Deflection at the Navy Vault by SMH20 required to pass the vault shall be made at the contract unit price on a lump sum basis. Payment shall be full compensation for all labor, equipment, and material required to deflect the pipe past the existing vault.

	<u>QTY</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
60. Sewer Alignment Deflection	1	LS	\$7,127.64	\$7,127.64

61. Night Work

Payment for Night Work required to comply with DPW restrictions for crossing Rt.1 by the Asan Pump Station shall be made at the contract unit price on a lump sum basis. Payment shall be full compensation for all extra costs associated with working at night at the Rt.1 crossing for the

complete road crossing segment and upstream segment parallel to the road for sheet piling, excavation, backfilling, and pipe installation and repair.

	<u>QTY</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
61. Night Work	1	LS	\$23,658.30	\$23,658.30

Summary:

58. Additional By-pass Pumping	\$104,601.01
59. Expanded Trench Width	\$33,350.98
60. Sewer Alignment Deflection	\$7,127.64
61. Night Work	<u>\$23,658.30</u>
Total	\$168,737.93

Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
 GWA Project No. S15-002-EPA
 InfraTech International, LLC
CHANGE ORDER #5

SUMMARY OF ADDITIONAL PERFORMANCE TIME

<u>Item</u>	<u>Description</u>	Number of additional working days
1	Archaeologist unavailability	20
2	Relocating water line	26
3	Manhole replacement foundation (SMH 1402, 1401, 1400A)	14
4	Buried Utility conflicts	44
	Total additional WORKING days	104
		Number of additional calendar days
	Conversion: working days to calendar days – 104 X 7/5	146
5	AC pipe abatement	59
	Total additional CALENDAR days	205

Associated number of days compensable for additional by-pass pumping:

Total days	205
Minus days for AC pipe abatement (#5 above)	- 59
Minus days for waiting for GTA and GPA (#4 above)	- 19
Total additional by-pass pumping days	127



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

Issues for Decision

Resolution No. 07- FY2021

Relative to Indefinite Quantity Contract with JMI-Edison for Submersible Pumps and Motors for GWA Deep Wells

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

This request is for the necessary purchase of pumps and motors to maintain and improve reliability of GWA's water production system. The project is to replenish the inventory of submersible pumps and motors for GWA deep wells to ensure adequate stock is available at all times to quickly bring any wells back into service. The objective is to maintain critical inventory levels for pumps and motors at all times.

Where is the location?

GWA deep well facilities island wide.

How much will it cost?

\$1,496,805.18 for the purchases of submersible pumps and motors during the initial contract term of 3 years.

Submersible Motors	\$231,077.83
Submersible Pumps	\$267,857.23
Est Annual	\$498,935.06
Est 3 Year Contract	\$1,496,805.18

Should GWA approve the two (2) one-year options to renew the contract then the additional funding cost is estimated at Nine Hundred Ninety-Seven Thousand Eight Hundred Seventy Dollars and Twelve Cents (\$997,870.12). GWA management further seeks a ten percent (10%) contingency to the possible overall life of the contract (five-year term), of Two Hundred Forty-Nine Thousand Four Hundred Sixty-Seven Dollars and Fifty-Three Cents (\$249,467.53) to bring the total authorized funding to Two Million Seven Hundred Forty-Four Thousand One Hundred Forty-Two Dollars and Eighty-Three cents (\$2,744,142.83).

When will it be completed?

The indefinite quantity contract will be in place for an initial term of 3 years and purchases will be ongoing on an as-needed basis over the life of the contract term.

What is the funding source?

Revenue or Internally Funded CIP.

The RFP/BID responses (if applicable):

- 16 downloaded.
- 1 bid submitted.
- JMI-Edison awarded the Bid.



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. 07-FY2021

**RELATIVE TO INDEFINITE QUANTITY CONTRACT WITH JMI-EDISON FOR
SUBMERSIBLE PUMPS AND MOTORS FOR GWA DEEP WELLS**

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 advertised an Invitation for Bid IFB 2021-01 soliciting cost quotation from experienced and responsive bidders to provide Deep Well Submersible Pumps and Motors and provide adequate stock replenishment when needed; and

WHEREAS, Deep Well Pumps and motors purchases are necessary to maintain its critical inventory of submersible pumps and motors to ensure the reliability of water production island wide; and

WHEREAS, there was one responsive and responsible bidder who met the Submersible Pumps and Motor requirements of IFB 2021-01; and

WHEREAS, IFB 2021-01 offers were evaluated by GWA’s review committee; and

WHEREAS, GWA’s review committee determined that the offer of Submersible Pumps and Motors made by JMI-Edison was fair and reasonable by the basis of past purchases made [EXHIBIT A]; and

//

//

1 **WHEREAS**, GWA accepted JMI-Edison’s bid proposal of indefinite quantity bid of “All
2 or None Bid for Franklin Electric Motors” and “All or None Bid for Franklin and Grundfos
3 Pumps” with an estimated total amount of One Million Four Hundred Ninety-Six Thousand
4 Eight Hundred Five dollars and Eighteen cents (\$ 1,496,805.18) [EXHIBIT B]; and

5
6 **WHEREAS**, GWA Management seeks CCU approval of the estimated contract amount
7 of One Million Four Hundred Ninety-Six Thousand Eight Hundred Five dollars and Eighteen
8 cents (\$ 1,496,805.18) for the purchase of Submersible Pumps and Motors for GWA Deep Wells
9 for the initial three-year contract term, as well as an additional Nine Hundred Ninety-Seven
10 Thousand Eight Hundred Seventy Dollars and Twelve Cents (\$997,870.12) for the possible two
11 (2) one-years options to renew the contract; and

12
13 **WHEREAS**, GWA Management further seeks CCU approval of a ten percent (10%)
14 contingency to the possible overall life of the contract (five-year term), of Two Hundred Forty-
15 Nine Thousand Four Hundred Sixty-Seven Dollars and Fifty-Three Cents (\$249,467.53) to bring
16 the total authorized funding to Two Million Seven Hundred Forty-Four Thousand One Hundred
17 Forty-Two Dollars and Eighty-Three cents (\$2,744,142.83); and

18
19 **WHEREAS**, the source of funding for the Submersible Pumps and Motors is Internally
20 Funded Capital Improvement Projects; and

21
22 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
23 does hereby approve the following:

- 24 1. The recitals set forth above hereby constitute the findings of the CCU.
25 2. The CCU finds that the terms of the bid proposal submitted by “JMI-Edison”
26 are fair and reasonable.
27 3. There was no indication of bad faith or fraud in any of the procurements
28 contained herein.
29 4. All of the procurement herein are in the best interest of the territory of Guam
30 and Guam Waterworks Authority.

5. The CCU hereby authorizes GWA management to proceed in the purchase pumps and motors for GWA Deep Wells in the total amount of One Million Four Hundred Ninety-Six Thousand Eight Hundred Five dollars and Eighteen cents (\$1,496,805.18) for the initial three-year contract term as specified in the IFB 2021-01 "Indefinite Quantity Bid, and with two (2) one-year options to renew, subject to availability of funds and agreement between the parties (Exhibit A).
6. The CCU hereby further approves the funding total of One Million Four Hundred Ninety-Six Thousand Eight Hundred Five dollars and Eighteen cents (\$ 1,496,805.18) for the initial 3-year contract term, as well as an additional Nine Hundred Ninety-Seven Thousand Eight Hundred Seventy Dollars and Twelve Cents (\$997,870.12) for the possible two (2) one-years options to renew the contract.
7. The CCU hereby further approves a ten percent (10%) contingency to the possible overall life of the contract (five-year term), of Two Hundred Forty-Nine Thousand Four Hundred Sixty-Seven Dollars and Fifty-Three Cents (\$249,467.53) to bring the total authorized funding to Two Million Seven Hundred Forty-Four Thousand One Hundred Forty-Two Dollars and Eighty-Three cents (\$2,744,142.83)
8. GWA Management is hereby authorized to seek PUC approval with the contract of IFB 2021-01 since the contract exceeds One Million Dollars (\$1,000,000.00) as required by Docket 00-04.

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

DULY AND REGULARLY ADOPTED, this 26th day of January 2021.

Certified by:

Attested by:

JOSEPH T. DUENAS
Chairperson

MICHAEL T. LIMTIACO
Secretary

SECRETARY’S CERTIFICATE

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

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

AYES: _____
NAYS: _____
ABSENT: _____
ABSTAIN: _____

///

///

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///

EXHIBIT A



GUAM WATERWORKS AUTHORITY

“Better Water. Better Lives.”

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

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

SUBJECT: Invitation to Bid No. GWA 2021-01
Ref: Submersible Pumps & Motors

FROM: Evaluation Committee Members

REF: Recommendation of Award

DATE: **December 30, 2020**

Invitation for Bid No: GWA 2021-01 was officially announced and advertised in the Pacific Daily News, Guam Daily Post and Guam Waterworks Authority Website on October 28, 2020 and Bid submission time 10:00 am and virtually opened as scheduled on December 16, 2020 @ 11:00 am. Sixteen (16) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA’s website.

Bidders Register:

- | | |
|-------------------------------------|---|
| 1. JMI Edison | 11. Hawaii Engineering Services |
| 2. CDPW Inc. | 12. Island Equipment Company |
| 3. Water Works | 13. Gateway International Inc. |
| 4. THWilson Bonds | 14. Wang’s Brother’s Holding |
| 5. BidPrime, Inc | 15. Utilities Services Specialists, Inc DBA, USSI |
| 6. Frontier Supply Co. | 16. Sherman Consulting |
| 7. Indingo Piping Systems | |
| 9. Whittco Inc. DBA Hydra-Air Pumps | |
| 10. Louis Allis, LLC | |

Of the sixteen (16) Two (2) submitted proposals, namely:

- JMI Edison
- Frontier Supply co.

Evaluation:

The evaluation committee convene on December 21, 2020 @ 10:30 a.m., and thereby determined, JMI Edison's bid proposal submitted the lowest cost for the following line items below, JMI Edison further complied with all requirements and specifications specified in IFB 2021-01, therefore, the evaluation committee hereby recommends to proceed with the Low temperature motors, and submersible pumps.

JMI Cost Proposal: Low Temperature Motors, Offering Franklin Electric:

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EST QTY</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
1.1 A	Submersible Motor 10 HP	1	<u>\$2,218.17</u>	<u>\$2,218.17</u>
1.1 B	Submersible Motor 20 HP	2	<u>\$2,797.88</u>	<u>\$5,595.76</u>
1.1 C	Submersible Motor 30 HP	1	<u>\$3,487.42</u>	<u>\$3,487.42</u>
1.1 D	Submersible Motor 40 HP	3	<u>\$4,023.70</u>	<u>\$12,071.10</u>
1.1 E	Submersible Motor 50 HP	3	<u>\$5,332.76</u>	<u>\$15,998.28</u>
1.1 F	Submersible Motor 60 HP	3	<u>\$6,110.36</u>	<u>\$18,331.08</u>
1.1 G	Submersible Motor 75 HP	3	<u>\$11,171.65</u>	<u>\$33,514.95</u>
1.1 H	Submersible Motor 100 HP	4	<u>\$12,330.12</u>	<u>\$49,320.48</u>
1.1 I	Submersible Motor 125 HP	2	<u>\$16,179.37</u>	<u>\$32,358.74</u>
1.1 J	Submersible Motor 150 HP	3	<u>\$19,393.95</u>	<u>\$58,181.85</u>

Total Cost: \$231,077.83

JMI Edison Submersible Pumps Cost Proposal:

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EST QTY</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
3.1 A	SUBMERSIBLE PUMP 70SR7, 6" X 8 STAGE	1	\$1,020.24	\$1,020.24
3.1 B	SUBMERSIBLE PUMP 70SR15, 6" X 15 STAGE	1	\$1,395.34	\$1,395.34
3.1 C	SUBMERSIBLE PUMP 150SR30, 6" X 14 STAGE	1	\$1,484.16	\$1,484.16
3.1 D	SUBMERSIBLE PUMP 50SR40, 6" X 19 STAGE	1	\$1,885.65	\$1,885.65
3.1 E	SUBMERSIBLE PUMP 175SR20, 6" X 8 STAGE	1	\$1,843.64	\$1,843.64

3.1 F	SUBMERSIBLE PUMP 175SR25, 6" X 10 STAGE	2	\$2,147.92	\$4,295.84
3.1 G	SUBMERSIBLE PUMP 175SR30, 6" X 12 STAGE	1	\$2,459.99	\$2,459.99
3.1 H	SUBMERSIBLE PUMP 175SR40, 6" X 14 STAGE	10	\$2,714.46	\$27,144.60
3.1 I	SUBMERSIBLE PUMP 175SR40, 6" X 16 STAGE	3	\$2,981.52	\$8,944.56
3.1 J	SUBMERSIBLE PUMP 175SR50, 6" X 18 STAGE	1	\$3,253.38	\$3,253.38
3.1 K	SUBMERSIBLE PUMP 250SR25, 6" X 9 STAGES	1	\$1,578.98	\$1,578.98
3.1 L	SUBMERSIBLE PUMP 250SR30, 6" X 10 STAGES	3	\$1,674.40	\$5,023.20
3.1 M	SUBMERSIBLE PUMP 250SR40, 6" X 12 STAGES	3	\$1,937.27	\$5,811.81
3.1 N	SUBMERSIBLE PUMP 250SR40, 6" X 14 STAGES	4	\$2,349.56	\$9,398.24
3.1 O	SUBMERSIBLE PUMP 250SR50, 6" X 15 STAGES	10	\$2,327.96	\$23,279.60
3.1 P	SUBMERSIBLE PUMP 250SR50, 6" X 18 STAGES	2	\$2,942.51	\$5,885.02
3.1 Q	SUBMERSIBLE PUMP 250SR60, 6" X 20 STAGES	3	\$3,223.97	\$9,671.91
3.1 R	SUBMERSIBLE PUMP 325SR25, 6" X 7 STAGES	1	\$1,541.17	\$1,541.17
3.1 S	SUBMERSIBLE PUMP 325SR40, 6" X 9 STAGES	2	\$1,842.45	\$3,684.90
3.1 T	SUBMERSIBLE PUMP 325SR40, 6" X 11 STAGES	1	\$2,236.14	\$2,236.14
3.1 U	SUBMERSIBLE PUMP 325SR50, 6" X 13 STAGES	13	\$2,552.42	\$33,181.46

3.1 V	SUBMERSIBLE PUMP 325SR60, 6" X 18 STAGES	2	\$3,319.40	\$6,638.80
3.1 W	SUBMERSIBLE PUMP 325SR75, 6" X 21 STAGES	1	\$4,905.58	\$4,905.58
3.1 X	SUBMERSIBLE PUMP 400SR50, 8" X 7 STAGES	1	\$3,494.64	\$3,494.64
3.1 Y	SUBMERSIBLE PUMP 400SR75, 8" X 10 STAGES	2	\$4,736.93	\$9,473.86
3.1 Z	SUBMERSIBLE PUMP 400SR100, 8" X 13 STAGES	3	\$5,418.10	\$16,254.30
3.1 AA	SUBMERSIBLE PUMP 475SR100, 8" X 11 STAGES	3	\$5,426.50	\$16,279.50
3.1 AB	SUBMERSIBLE PUMP 475SR125, 8" X 14 STAGES	2	\$6,226.49	\$12,452.98
3.1 AC	SUBMERSIBLE PUMP 625S-1500, 8" x 7A STAGES	2	\$9,468.84	\$18,937.68
3.1 AD	SUBMERSIBLE PUMP 625S-1500, 8" x 7 STAGES	2	\$9,468.84	\$18,937.68
3.1 AE	SUBMERSIBLE PUMP 800S-1000, 8" x 4A STAGES	1	\$5,462.38	\$5,462.38

Total Cost: \$267,857.23

Submersible Motors & Pumps:

JMI Edison Total Cost for Sub Motors:

\$231,077.83

JMI Edison Total Cost for Sub Pumps:

\$267,857.23

Grand Total

\$498,935.06

Based on Est Qty:

Total Cost for 3-year term:

\$1,496,805.18

2-year option/ 1-year terms:

1-year Option

\$498,935.06 Estimate

1-year Option

\$498,935.06 Estimate

\$2,494,675.30
Grand Total – 5 Year Term

Contract Term:

Ant the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledgment receipt of a Notice to Proceed from GWA. The initial term of the contact is three (3) years with option of one (1) year renewal for two (2) years or a single (2) year renewal option, subject to availability of funds and agreement between the parties.

Award hereby subject to CCU and PUC review and approval.

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Concurred and accepted by the committee members:


 1/5/21
Ron Topasna, Operations Maintenance Manager.

 1/5/21
Ray Quintanilla, Water Plant Operator Supervisor.


Nicolas Cabo, Buyer II

Your approval is greatly appreciated.

Antonio Camacho



Reviewed by legal: 

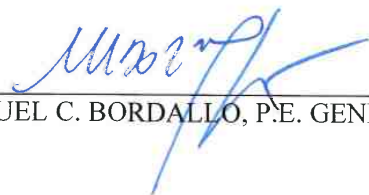
In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

☒ CONCURRED ☐ UNCONCURRED



VINCENT ED. GUERRERO, SMA

☒ APPROVED ☐ DISAPPROVED



MIGUEL C. BORDALLO, P.E. GENERAL MANAGER

EXHIBIT B



GUAM WATERWORKS AUTHORITY

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

NOTICE OF CONDITIONAL AWARD

Date: January 05, 2021

JMI Edison Guam
130 Siket St. Harmon Industrial Park
Tamuning, GU 96913
Phone- #671-646-6400
Fax- #671-649-5685

Re: Invitation for Bid Number: GWA IFB-2021-01
For: Submersible Pumps & Motors

Hafa Adai Mr. Oriondo,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by JMI Edison, for the above described reference in response to its Advertisement for Bids dated October 26, 2020 you are hereby notified of your bid offer on Item Numbers, 1.1A, 1.1B, 1.1C, 1.1D, 1.1E, 1.1F, 1.1G, 1.1H, 1.1I, 1.1J, 3.1A, 3.1B, 3.1C, 3.1D, 3.1E, 3.1F, 3.1G, 3.1H, 3.1I, 3.1J, 3.1K, 3.1L, 3.1M, 3.1N, 3.1O, 3.1P, 3.1Q, 3.1R, 3.1S, 3.1T, 3.1U, 3.1V, 3.1W, 3.1X, 3.1Y, 3.1Z, 3.1AA, 3.1AB, 3.1AC, 3.1AD, 3.1AE, been accepted by GWA.

You are also advised that any obligation incurred by your firm prior to execution of the contract is entirely at your own risk and GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

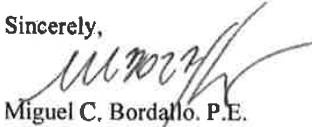
Please note this Notice of Award is conditional on obtaining the approval of the Guam Consolidated Commission on Utilities for any award over \$750,000 and the approval of the Guam Public Utilities Commission where the total value over the life of the contract could exceed \$1M. Also, award is conditional upon providing proof of business license required to be submitted to GWA under the Bid or Guam law.

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You are required to return an acknowledged copy of this Conditional Notice of Award to GWA Procurement Office.

Sincerely,


Miguel C. Bordallo, P.E.
General Manager

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB No. GWA 2021-01 is hereby acknowledged

By:  Title: Romo Orlando
Signature (Please Print)

Dated this 7th day of January, 2021.

***** END OF CONDITIONAL NOTICE OF AWARD *****



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

Issues for Decision

Resolution No. 08-FY2021

Relative to Approving the Guam Waterworks Authority's 2021 Employee Recognition Program Budget

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

GWA Management recognizes the employees are its valuable asset in maintaining high employee morale and retention. The implementation of a well-run Employee Recognition Program (ERP) is essential to maintain morale and employee retention which are inherent requirements of Section 3.4 Volume 1 of the Water Resources Master Plan to achieve employee satisfaction and pride identified as a strategic level of service (LOS).

Where is the location?

The ERP will be implemented and maintained by the Human Resources Division and Program Managers within the Guam Waterworks Authority.

How much will it cost?

Request for budget approval based on the activities presented is \$30,000.00

When will it be completed?

The program implementation is ongoing based on the annual approval of its program budget by the CCU.

What is the funding source?

Revenue funded.

The RFP/BID responses (if applicable):

Not applicable



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. 08-FY2021

**RELATIVE TO APPROVING THE GUAM WATERWORKS AUTHORITY'S 2021
EMPLOYEE RECOGNITION PROGRAM BUDGET**

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 Management recognizes its employees are its most valuable asset in maintaining high employee morale and retention; and

WHEREAS, GWA Management has presented an Employee Recognition Program which is an inherent requirement to achieve its strategic goal identified in Section 3.4 Volume I of the Water Resources Master Plan.

WHEREAS, GWA Management has presented a budget summary (appendix A) in the amount of \$30,000.00 to implement its Employee Recognition Program; and

WHEREAS the total budget request for the 2021 Employee Recognition Program represents three hundredths of a percent (.0003) of GWA’s annual revenues; and

WHEREAS the Executive Sponsor for the 2021 Employee Recognition Program is the Assistant General Manager of Administration & Support.

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that GWA Employee Recognition Program's budget will be reviewed and approved annually.
3. The CCU hereby approves the transfer of approved FY2021 budget funds to the Employee Recognition Program budget up to the amount of \$30,000 subject to availability of funding for calendar year 2021.

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

DULY AND REGULARLY ADOPTED, this 26th day of January 2021.

Certified by:

Attested by:

JOSEPH T. DUENAS

Chairperson

MICHAEL T. LIMTIACO

Secretary

SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSENT: _____

ABSTAIN: _____



APPENDIX A

Budget Summary:

The 2021 Employee Recognition Program (ERP) committee seeks to utilize a budget in anticipation of hosting events listed below. The committee may consider adding/or replacing activities or events based on evaluating the impact of COVID-19.

Proposed Budget:

Retirement Recognition	\$2,500
Employee Service Recognition	\$7,000
Meet and Eat with the General Manager	\$4,400
GWA Military Service Members Recognition	\$2,500
Annual Employee Recognition Awards Event	\$7,500
Health Awareness Campaigns	\$1,600
GWA Wellness Program and Sports Leagues/Tournament Sponsorships	\$3,500
Other Ad Hoc Activities	\$1,000
	<hr/>
	\$30,000



Management Report

GWA Work Session, January 19, 2021



Update to Workforce Availability

GWA Workforce availability as of January 15, 2020

Healthy	362	97.1%
Sick, not COVID-19 related	3	0.8%
COVID-19 Quarantined	1	0.3%
Employee with COVID-19, active case	1	0.3%
COVID-19 Medical Risk	1	0.3%
Military Leave	4	1.1%
LTD	1	0.3%
	373	100%

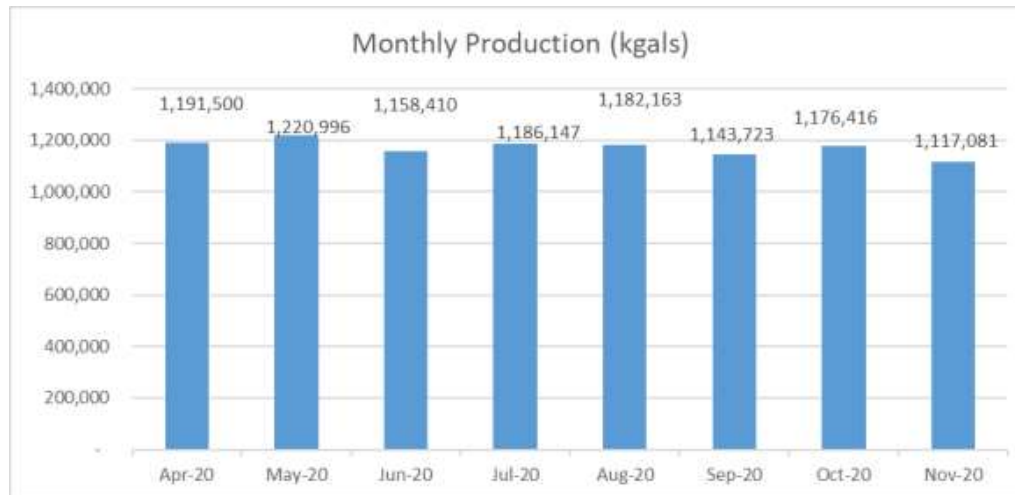
Total		
Healthy/Reporting for duty at worksite	291	78.0%
Healthy/Reporting for duty - Part Teleworking and Part Reporting for duty at worksite	42	11.3%
Healthy/Reporting for duty - Teleworking	28	7.5%
Employee sick - symptoms unrelated to COVID-19	3	0.8%
Military Leave	4	1.1%
LTD/Workers Comp	1	0.3%
Employee wants to electively self-quarantine; status not considered vulnerable - does not report for duty	1	0.3%
Employee with COVID-19, active case	1	0.3%
Employee or household member: Travel within last 14 days	1	0.3%
Employee or household member is at medical risk (i.e. COVID-19 vulnerable)	1	0.3%
	373	100%

Operations Update

Production (November 2020)

Monthly Production Summary - November 2020			
Deep Wells		34.0 MGD	
Active wells =	91 of 120		
Avg days in operation =	30 days		
Total Production =	1,020,751 Kgals		
Springs		0.23 MGD	
Avg days in operation =	30 days		
Total Production =	6911 Kgals		
Ugum Surface Water Plant		2.0 MGD	
Avg days in operation =	30 days		
Total Production =	60,725 Kgals		
Tumon Maui Well		0.96 MGD	
Avg days in operation =	30 days		
Total Production =	28,694 Kgals		
		1,117,081 Kgals	37.2 MGD

DW Status as of 11/30/2020					
Active	91				
Grounded motor or Pump Failure	10	A21-A26-D03-F06-F07-F13-G501-HGC2-M06-Y16			
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05			
Temporarily Secured	2	A23-A25			
Standby	9	A10-A29-D02-D14-D19-D24-F05-F10-M12			
TOTAL	120				

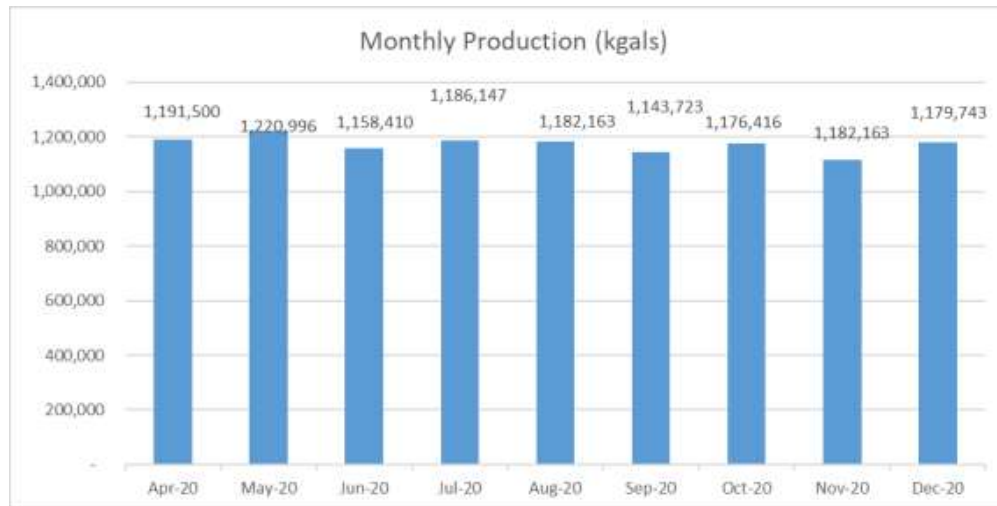


Operations Update

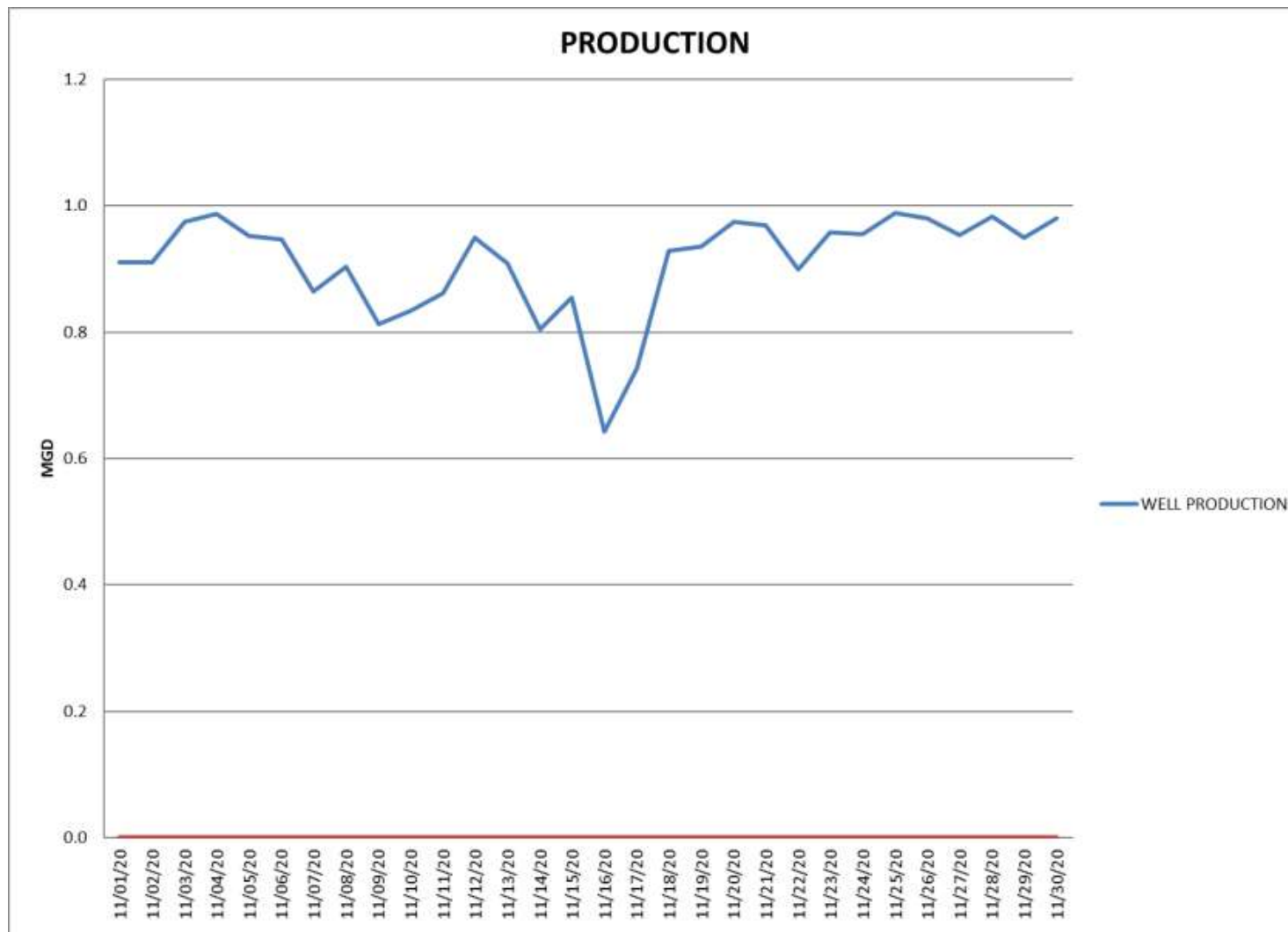
Production (December 2020)

Monthly Production Summary - December 2020				
Deep Wells			34.7 MGD	
Active wells =	90	of 120		
Avg days in operation =	31	days		
Total Production =	1,074,179	Kgals		
Springs			0.29 MGD	
Avg days in operation =	31	days		
Total Production =	8,885	Kgals		
Ugum Surface Water Plant			2.1 MGD	
Avg days in operation =	31	days		
Total Production =	66,023	Kgals		
Tumon Maui Well			0.99 MGD	
Avg days in operation =	31	days		
Total Production =	30,656	Kgals		
			1,179,743	38.1 MGD

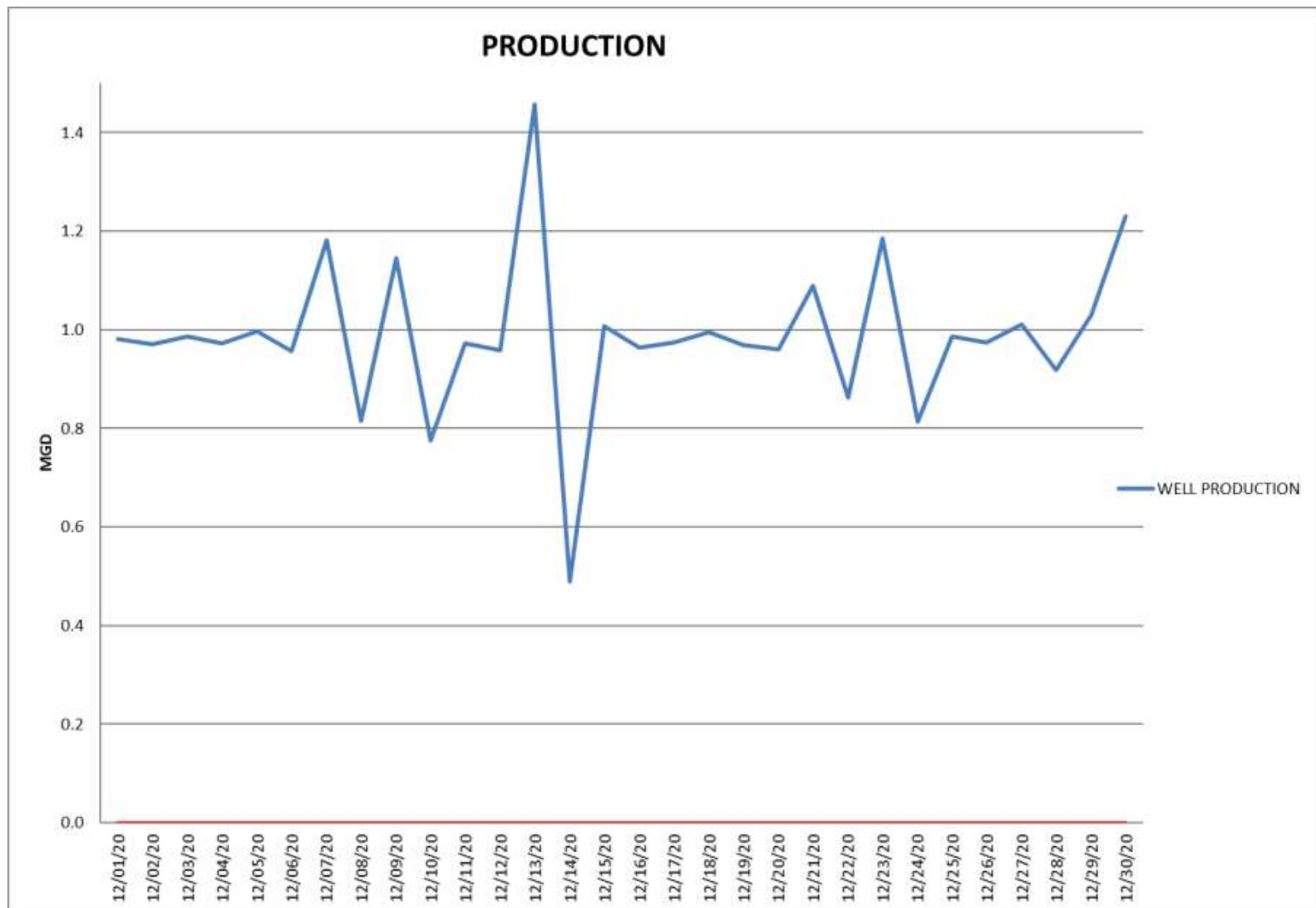
DW Status as of 12/31/2020					
Active	90				
Grounded motor or Pump Failure	11	A26-D03-D09-F06-F07-F13-G501-HGC2-M06-M17A-Y16			
Out of commission	8	A02-A07-A28-D05-D13-M14-MU01-MU05			
Temporarily Secured	2	A23-A25			
Standby	9	A10-A29-D02-D14-D19-D24-F05-F10-M12			
TOTAL	120				



Tumon Maui Well Production (November 2020)

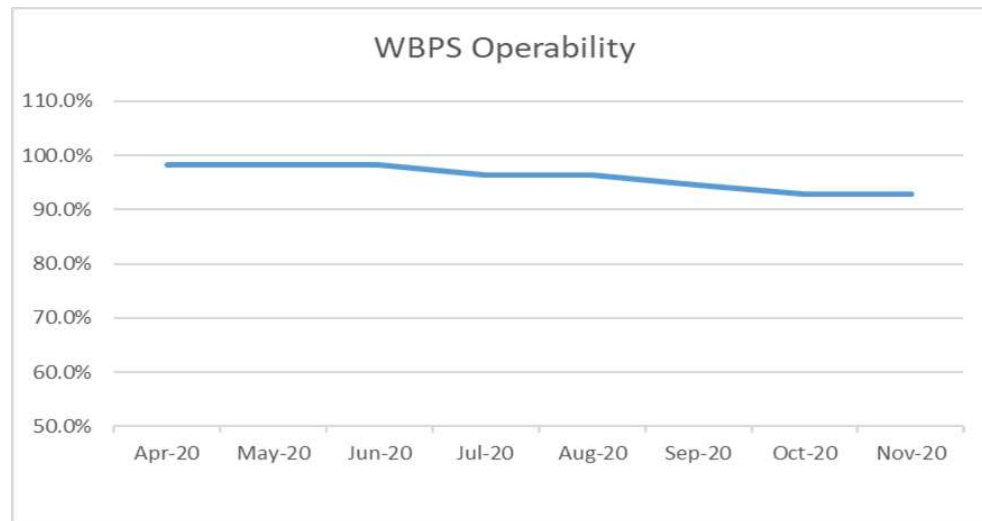


Tumon Maui Well Production (December 2020)



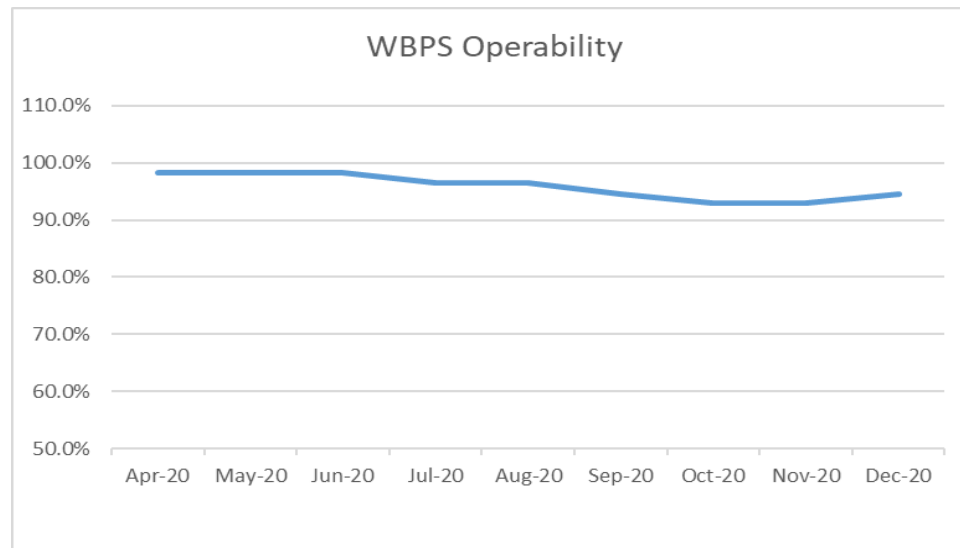
Distribution (November 2020)

Monthly Distribution Summary - November 2020					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	24	92.3%
	Central	7	15	13	86.7%
	Southern	7	15	15	100.0%
		27	56	52	92.9%

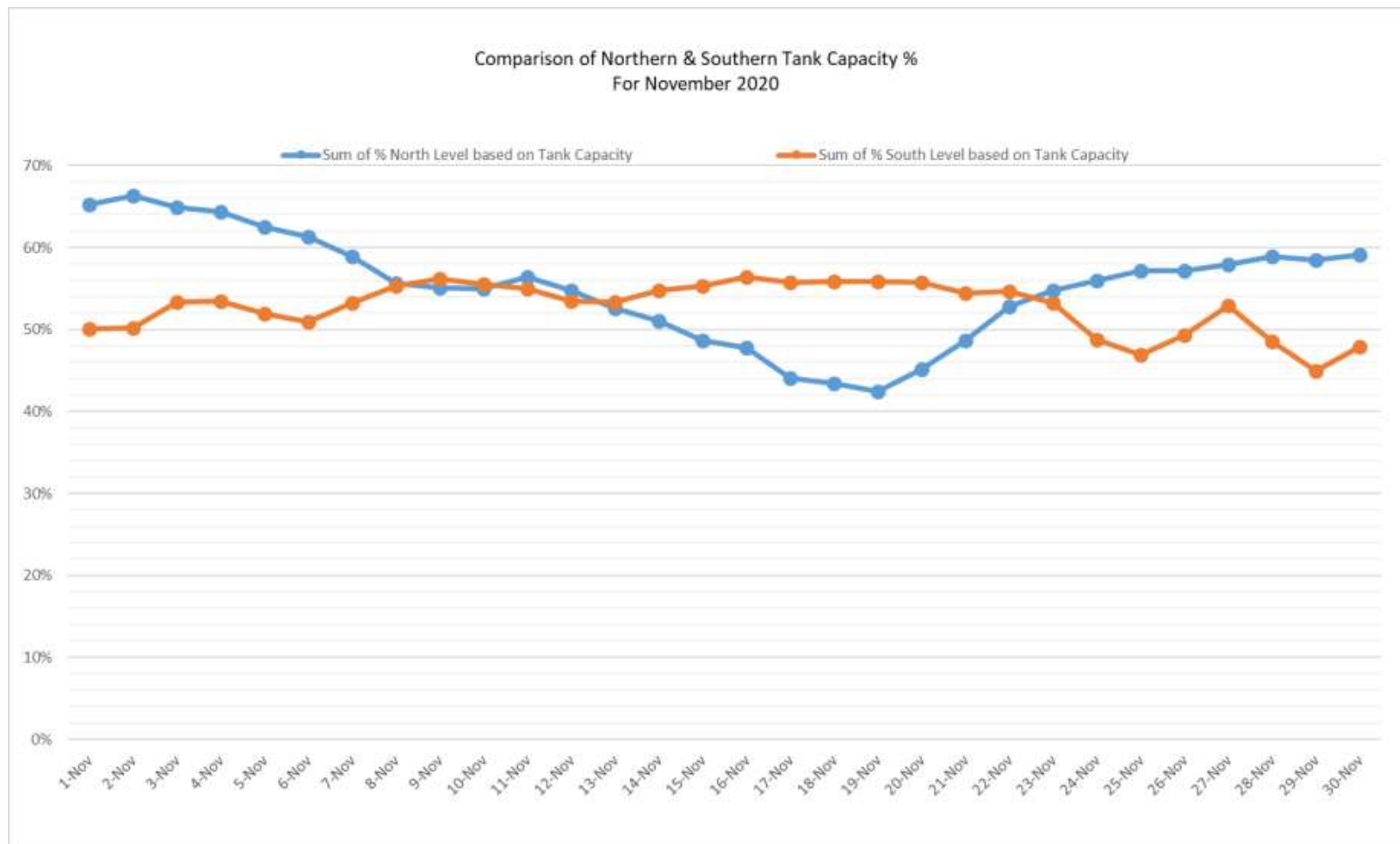


Distribution (December 2020)

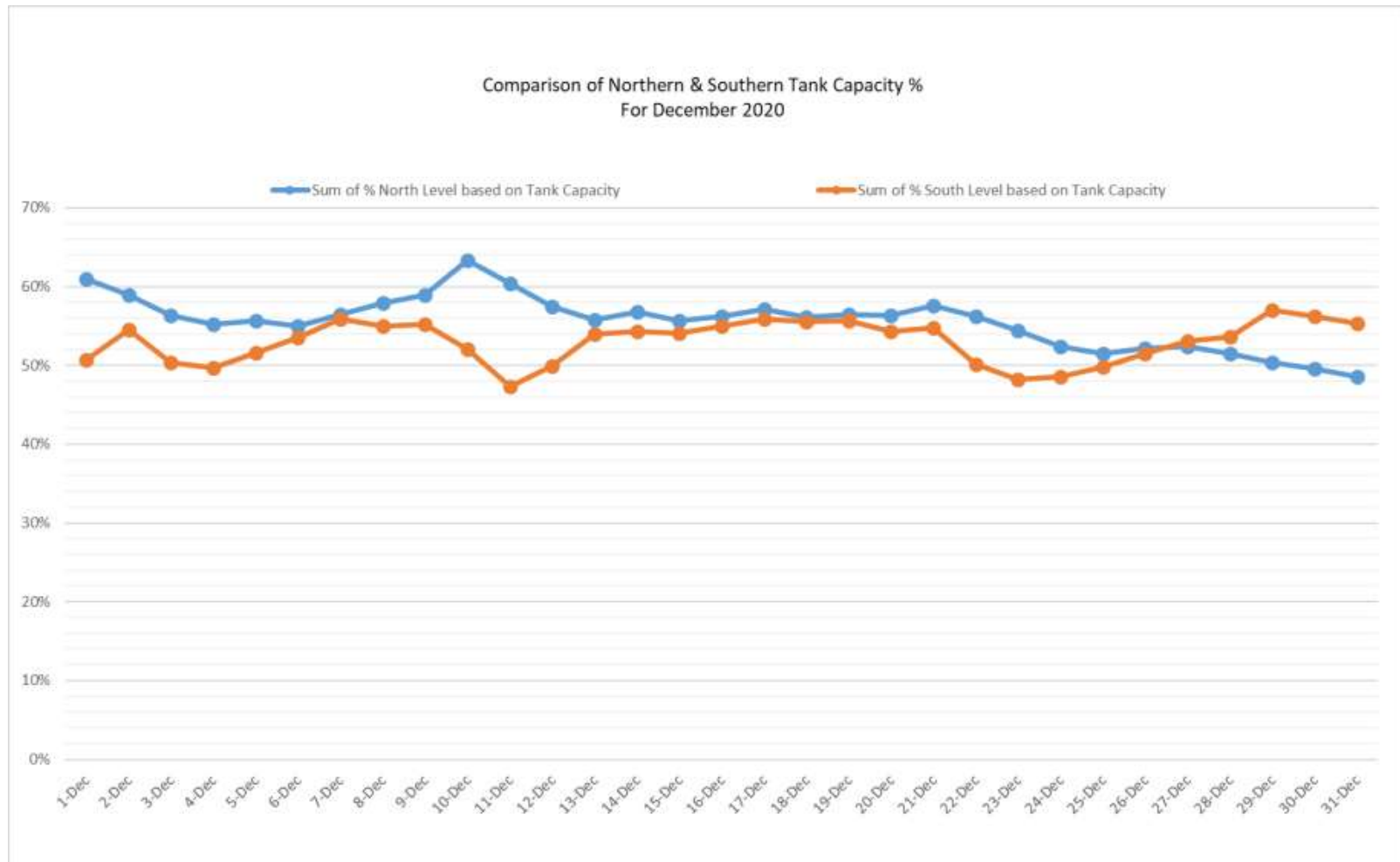
Monthly Distribution Summary - December 2020					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	24	92.3%
	Central	7	15	14	93.3%
	Southern	7	15	15	100.0%
		27	56	53	94.6%



Distribution – Tank Levels (November 2020)



Distribution – Tank Levels (December 2020)

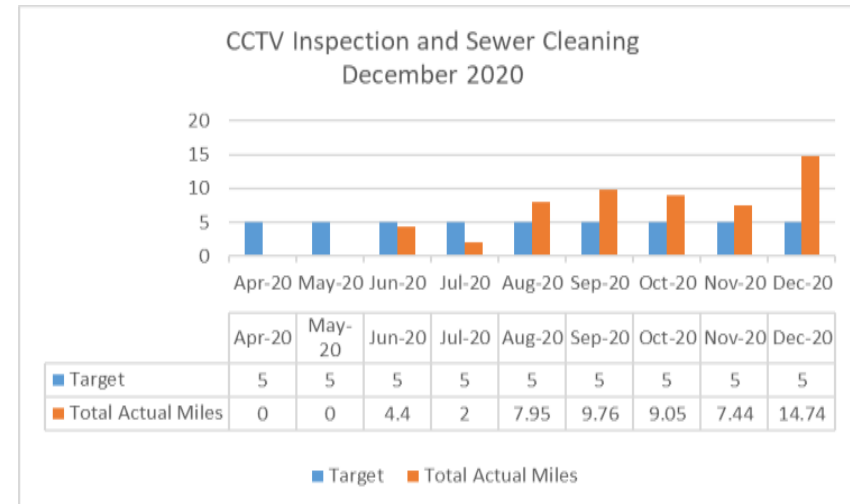
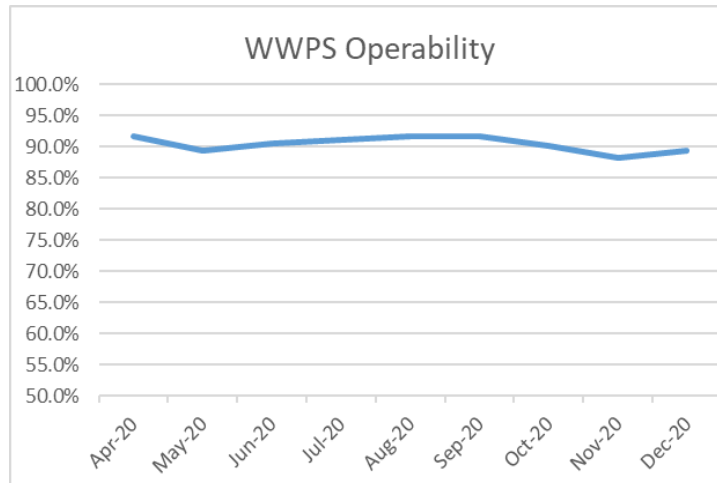


Wastewater Collections (November and December 2020)

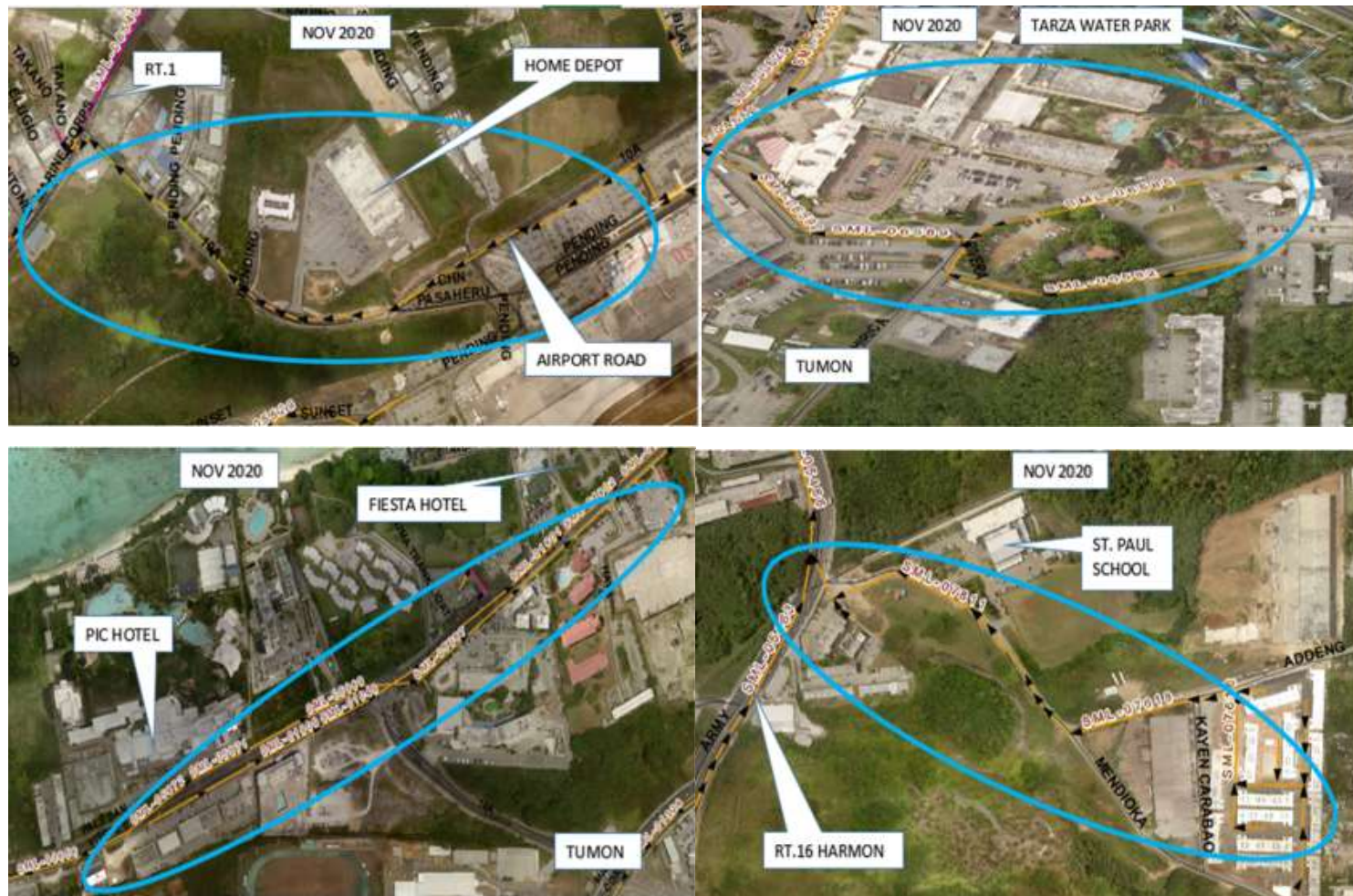
Monthly Collections Summary - November 2020					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	47	90.4%
	Central	29	63	56	88.9%
	Southern	26	56	48	85.7%
		77	171	151	88.3%

Monthly Collections Summary - December 2020					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	47	90.4%
	Central	29	63	58	92.1%
	Southern	26	56	48	85.7%
		77	171	153	89.5%

Wastewater Collections (December 2020)



Tamuning, Tumon, Harmon



Wastewater Collections –Cleaning/Jetting (November)

Tamuning



Dededo and Yigo



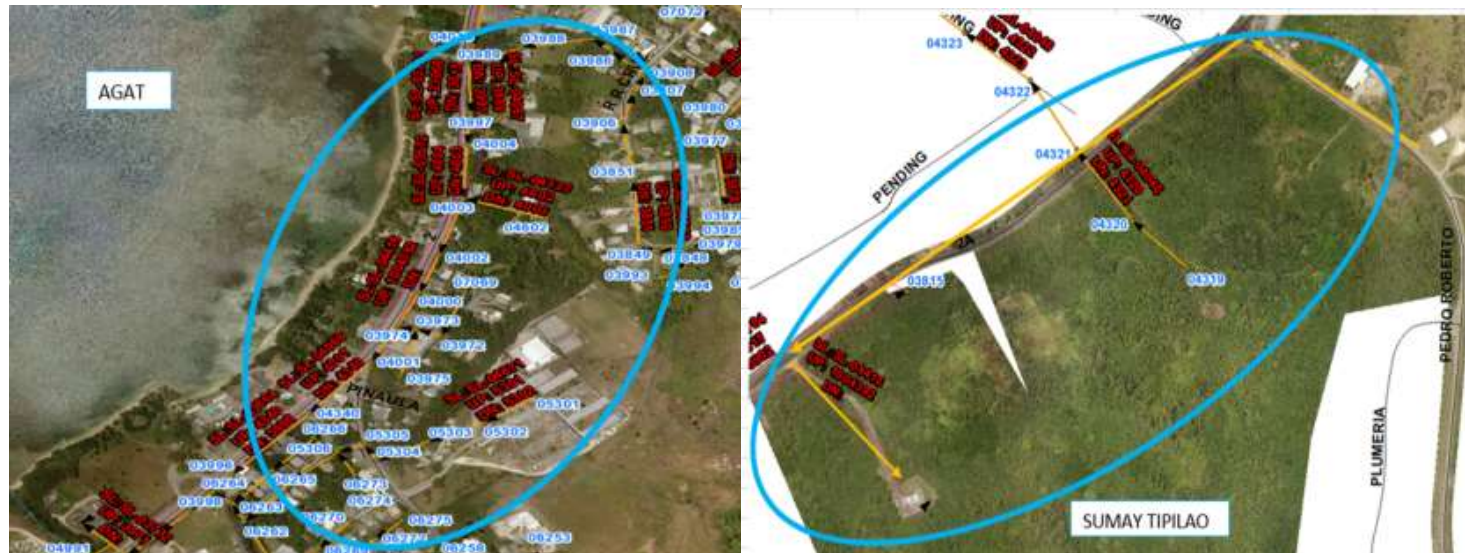
Wastewater Collections –Cleaning/Jetting (December 2020)

Tiyan and Maite



Wastewater Collections –Cleaning/Jetting (December 2020)

Agat and Tipalao-Sumay



Wastewater Collections –Cleaning/Jetting (December 2020)

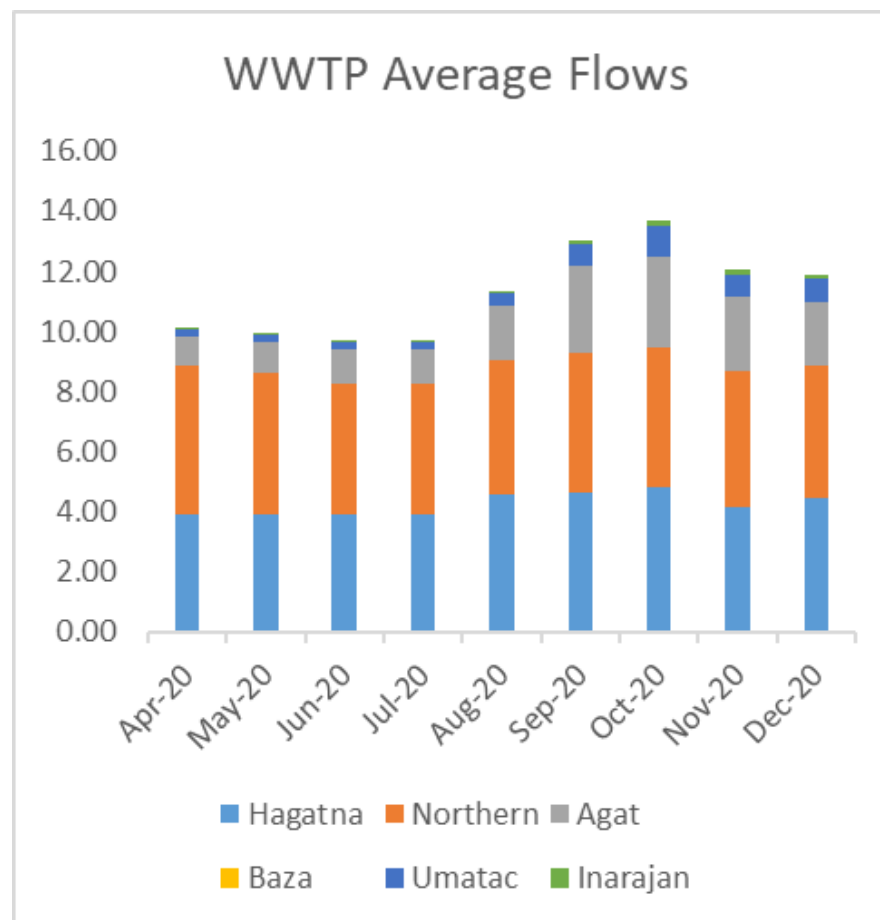
Merizo



Wastewater Treatment (November and December 2020)

Monthly Wastewater Treatment Summary - November 2020				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.18	253,980	\$ 22,858
	Northern	4.51	657,060	\$ 59,135
	Agat	2.46	107,560	\$ 9,680
	Baza	0		
	Umatac	0.73		
	Inarajan	0.17		
		12.05	1,018,600	\$ 91,673

Monthly Wastewater Treatment Summary - December 2020				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.45	465,220	\$ 41,870
	Northern	4.4	975,120	\$ 87,761
	Agat	2.1	97,820	\$ 8,804
	Baza	0		
	Umatac	0.80		
	Inarajan	0.15		
		11.90	1,538,160	\$ 138,435

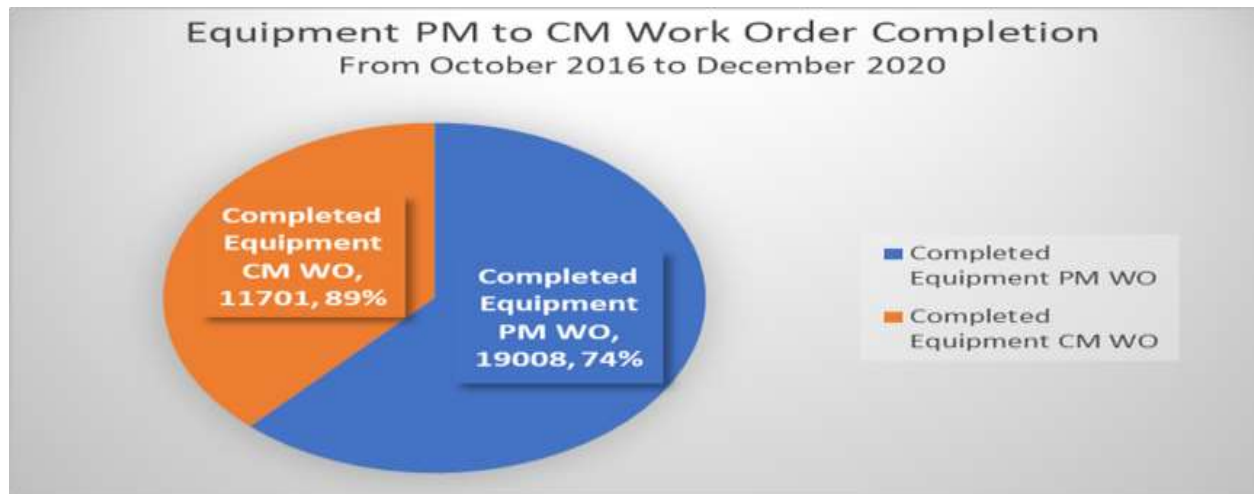


Asset Management (through December 2020)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

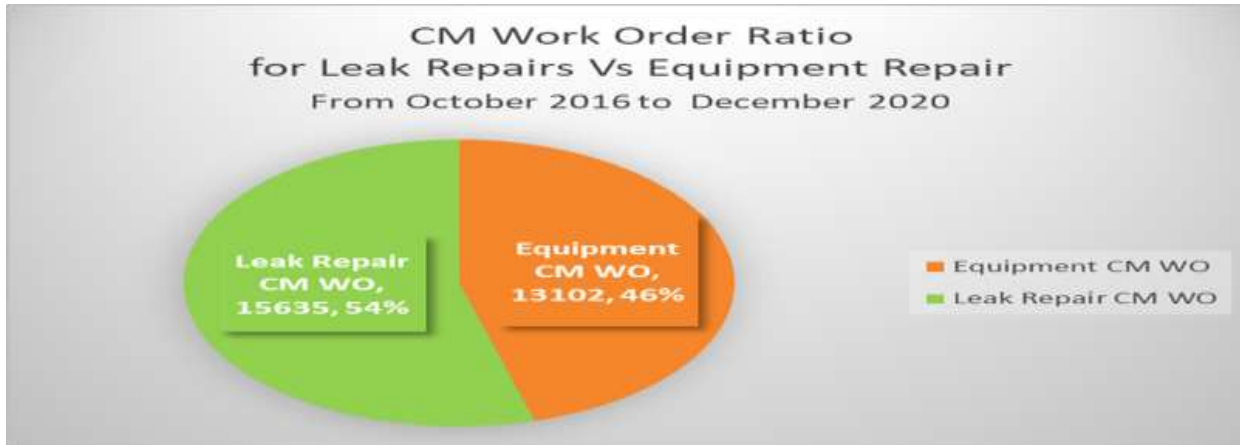


II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*



Asset Management (November 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



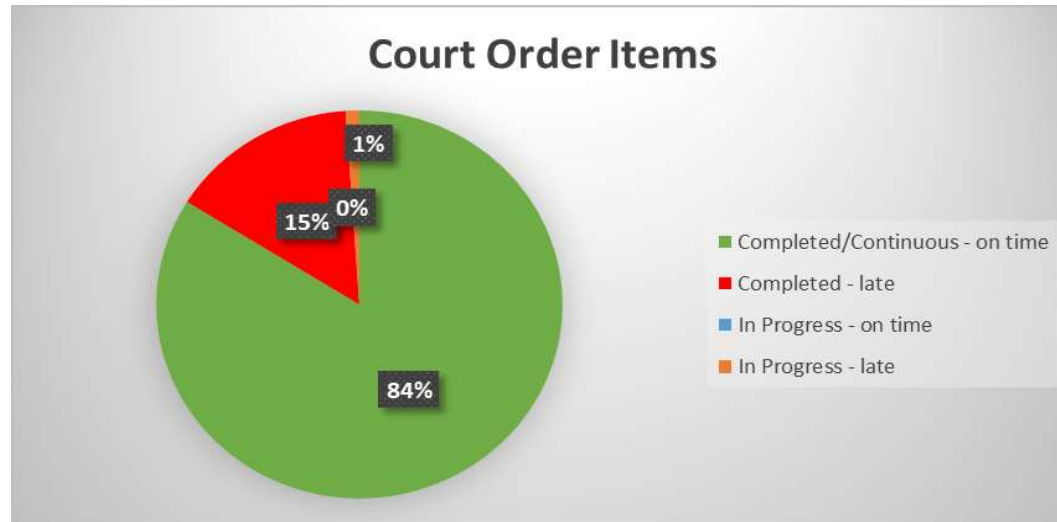
One Guam Update (through December 2020)

- 01- TMW
 - Inspection for December postpone until January 2021 -
- 04-OEA Projects
 - Observation Wells/NGLA
 - The signed Temporary Construction Easements (TCEs) were sent to GWA for GM's signature.
 - Because TCE term was reduced to 1-year, the GM is waiting for contract issuance for construction to execute the TCEs – to insure we have sufficient time to complete the work within TCE term.
 - DOD/GWA MOA to ensure that the NGLA Observation Wells are properly maintained and each party funds the data collection and analysis is being reviewed by both Navy and GWA.
 - The DOD MOA with WERI will not move forward until DOD's budget is approved.
- 05- Water to Camp Blaz
 - GWA is preparing the proposals to address the needs of for Camp Blaz and for the Forrest Enhancement Irrigation Project.
 - DOD will confirm the water demands for the Forrest Enhancement Irrigation Project and provide to GWA.
 - Maria sent a spreadsheet to GWA on the projected requirements for Camp Blas for each year. The DOD water requirements from the Pott Junction connection for Camp Blaz are .3mgd for 2021 and .4mgd for 2023. The DOD water requirement for the Forrest Enhancement the .5 mgd for 2024.
- 06-Strategy/Framework Discussion
 - DOD and GWA exchanged each other's Hydraulic profile.
 - GWA will contact B&C to clarify some information from the Technical Memo (TM) regarding interoperability of water systems. Once B&C responds, Engineering will meet with Operations to discuss GWA's priority projects.
 - DOD and GWA need to meet once each party establish their priority projects.
- 07-Property Transfers
 - Transfer documents of Navy Laterals at Murray Road was signed by Captain Grimes. It is with Capt. Liberator, then to the Admiral before submitting to GWA.
- 30-Other
 - Umatac / Cetti Bay Easement

- GWA would like to move forward with the extension of the Conservation Easement. Cpt. Grimes needs to execute the extension with GWA. Glen is working with the Installation for approval.
- Licenses for TMW, AG1 and Tarague Line
 - Andersen will work on the licenses in January
- Documentation/acceptance package for ACEORP Tunnel will be transmitted to the Governor's Office by December 16, 2020.

Court Order Summary (November 2020 and December 2020 – no changes)

	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%	

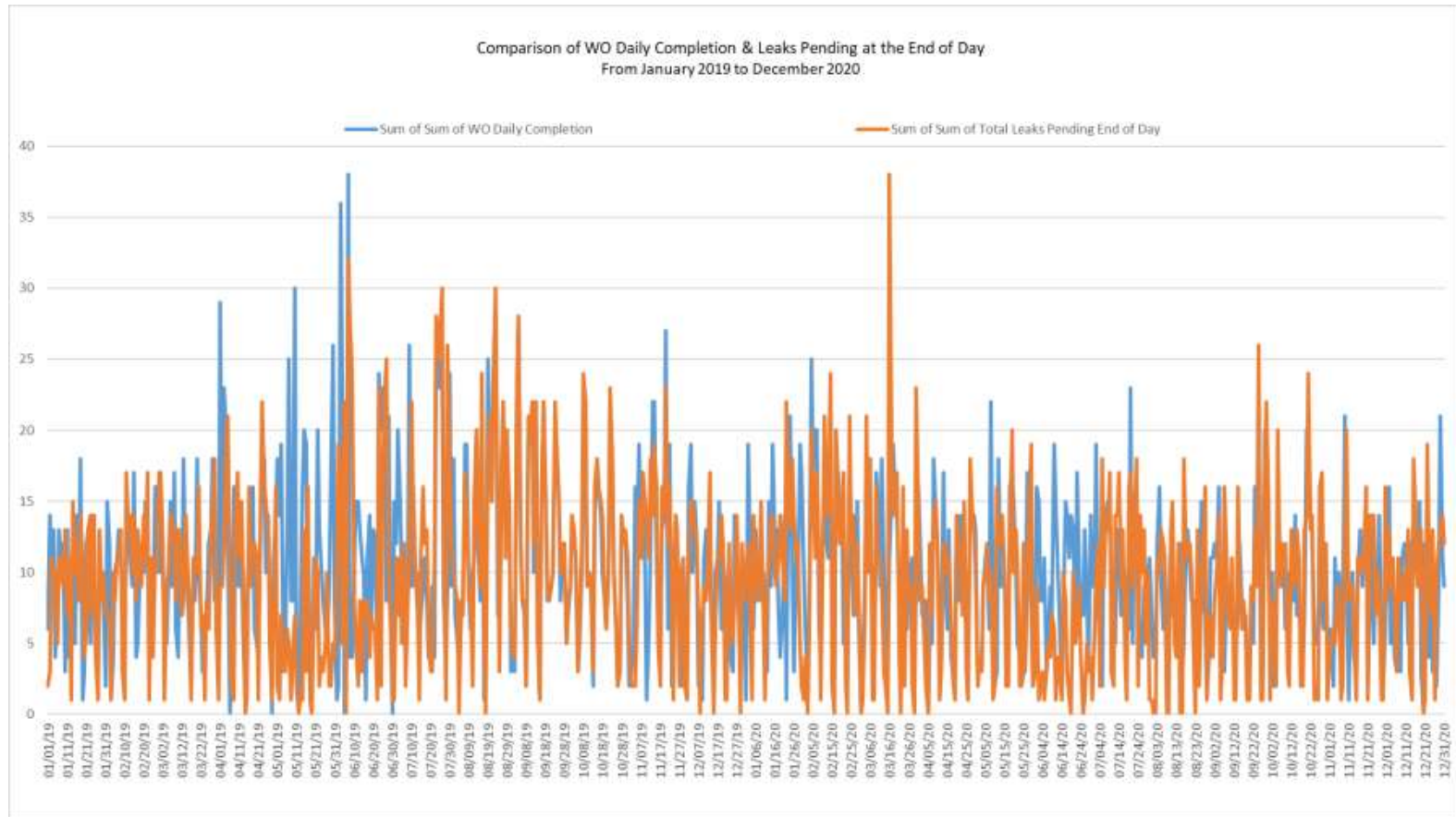
Court Order – Status Information (November 2020 and December 2020)

- 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 drafting filing for submission to District Court
 - Additional impact resulted from delay of 2020 Bond issuance and there is also delay due to COVID-19 impacts
- Overflow or Bypass events reported to USEPA (for November 2020 and December 2020):
 - 11-10-20 - SSO#299, Francisco Javier Street, Agana Heights, 7950 gallons, FOG
 - 11-19-20 - SSO#309, Marine Corps Drive, Tamuning – Mamajanao Pump Station, 10175 gallons, Pump Station Failure
 - 11-20-20 - SSO#310, Marine Corps Drive, Tamuning, 1260 gallons, FOG
 - 11-23-20 - SSO#314, 385 Joaquin L.G. Jesus St., Asan, 3800 gallons, Heavy Rains
 - 11-23-20 - SSO#315, Vietnam Veterans Highway, Barrigada Sewer Pump Station, 8200 gallons, Heavy Rains
 - 11-29-20 - SSO#323, Chalan Chagamin Lago, Inarajan, 2400 gallons, Heavy Rains
 - 11-30-20 - SSO#329, Chalan Canton Tasi, Merizo, 85,350 gallons, Heavy Rains
 - 12-03-20 - SSO#330, Nino Perdido Street, Asan, 1050 gallons, Pump Station Failure
 - 12-05-20 - SSO#334, Chalan Canton Tasi, Merizo, 20,850 gallons Heavy Rain
 - 12-11-20 - SSO#343, Dairy Road, Mangilao, 575 gallons, No power at Pump Station – Pump Station Failure
 - 12-11-20 - SSO#344, Chalan Canton Tasi, Merizo, 8150 gallons, Heavy Rain
 - 12-13-20 - SSO#345, Ironwood Manor, Dededo, 640 gallons, Pump Station Failure
 - 12-15-20 - SSO#348, Salomon Drive, Agana Heights, 805 gallons, FOG
 - 12-22-20 - SSO#335, Dennie Lane, Yigo, 200 gallons, FOG

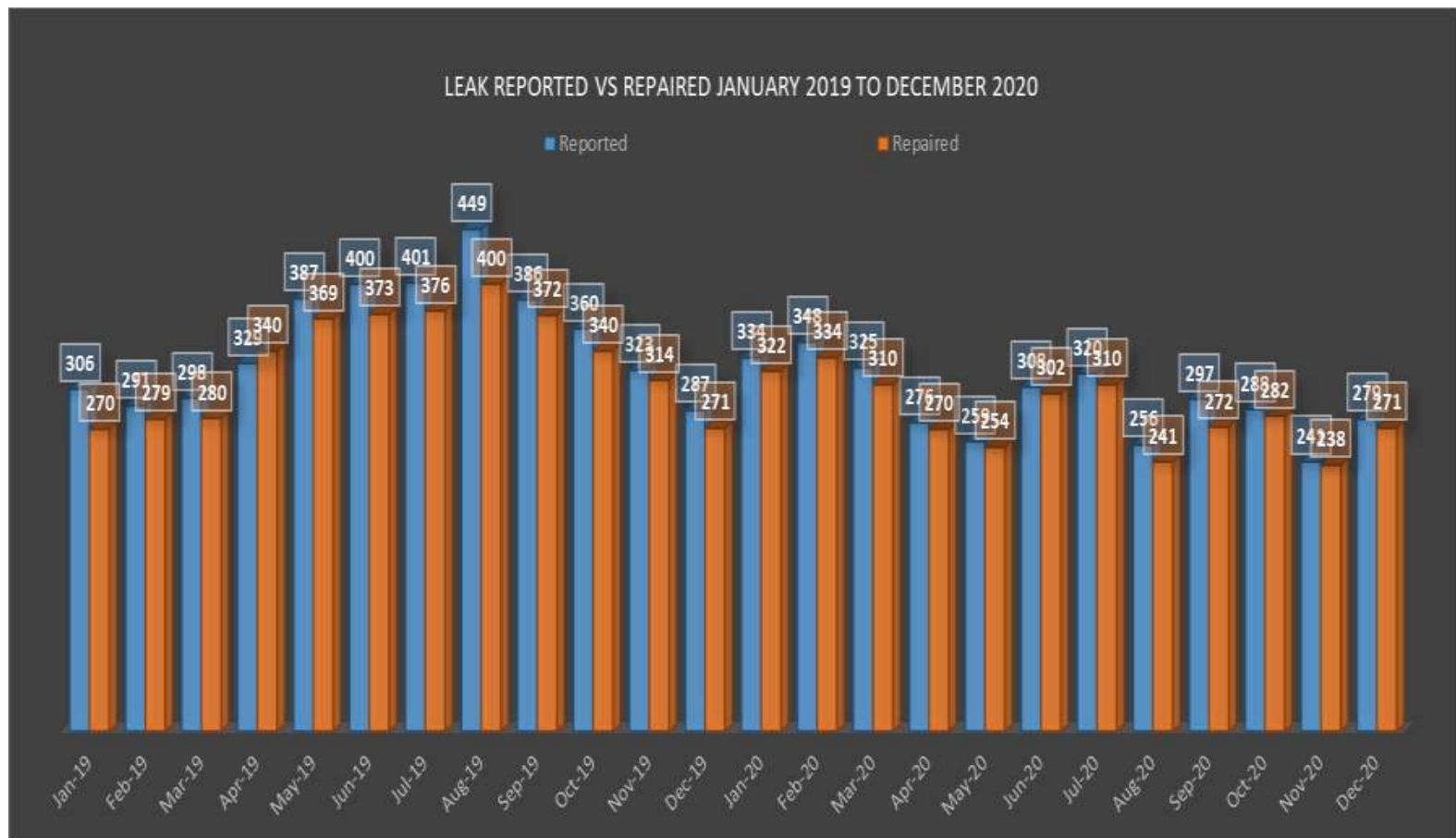
Land Acquisition Summary (through December 2020)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo	Gov't. - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. 3 rd follow up update status request emailed to DLM 12/14/2020.
	Piti	Private	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 form.
	Airport	Private	Petition revised, reviewed and approved by GWA legal counsel. Family attorney to forward for court approval. 12/22/2020
Deep Wells	AG-12	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2 nd follow up sent on 09/12/18. 3 rd 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	In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment will be developed. The permit for the biological survey was submitted on 6/12/2020 and is currently still in the hands of NPS. NPS is waiting to confirm with USFWS on the threatened and endangered species that are of concern at the project location. They are just waiting on USFWS confirmation.

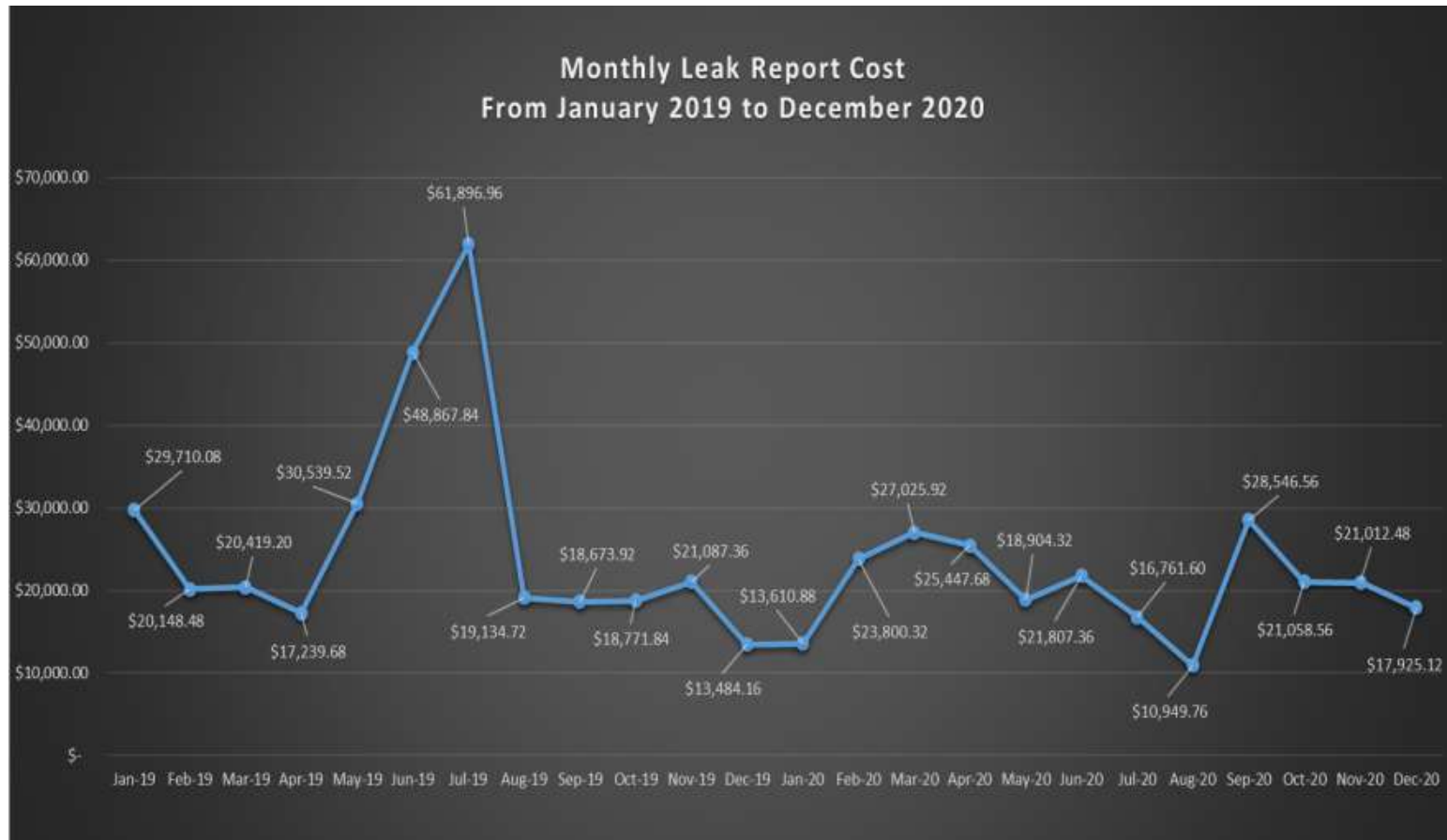
Leak Repair Summary (through December 2020)



Comparison of Leaks Reported vs. Leaks Repaired (through December 2020)



Monthly Leak Report Cost (through December 2020)



GWA Financial Overview

DECEMBER 2020

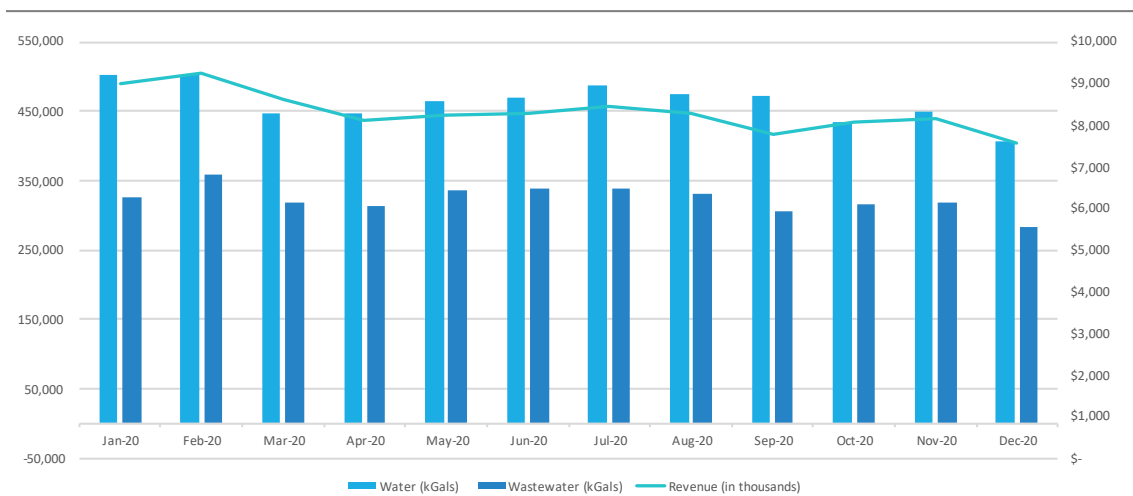


GWA Key Financial Indicators

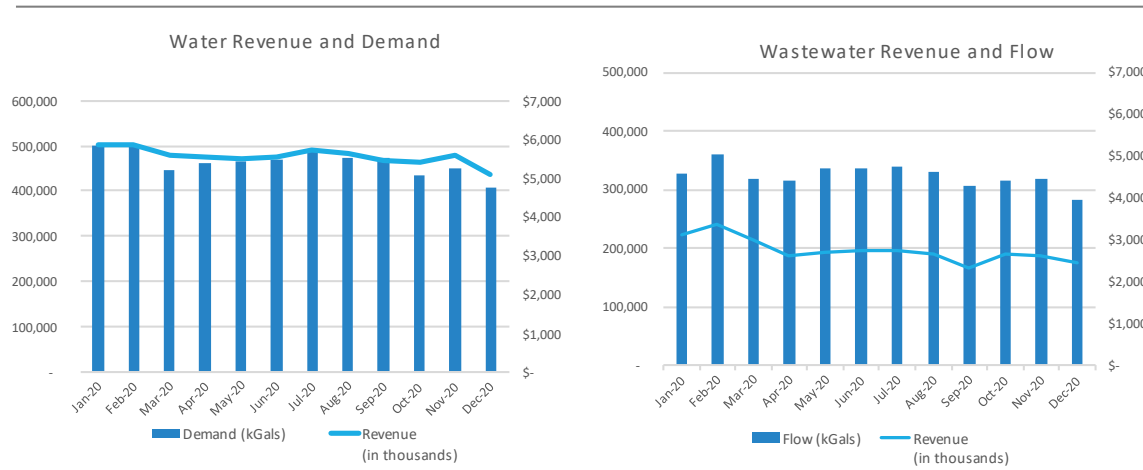
Indicator	Target	November 2020	December 2020
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.30	1.32
• Per PUC / CCU	1.40	1.30	1.32
Days – Cash on Hand	120 days	268 days	277 days
Collection Ratio			
• Month to Date	99%	*92%	93%
• Year to Date	99%	*95%	94%
Days Billed	30 days	31 days	28 days
Account Receivable Days	30 days	49 days	50 days
Account Payable Days	45 days	31 days	33 days
Employee Count	400 FTE	374 FTE	373 FTE
Water Demand			
• Month to Date	478,754	448,412	405,540
• Year to Date	1,436,263	883,912	1,289,392
Wastewater Flow			
• Month to Date	356,472	317,558	283,087
• Year to Date	1,069,417	633,627	916,714
Water Customers	42,839	42,978	43,021
Wastewater Customers	29,805	29,403	29,988

*Navy accruals excluded as they were not billed in November.

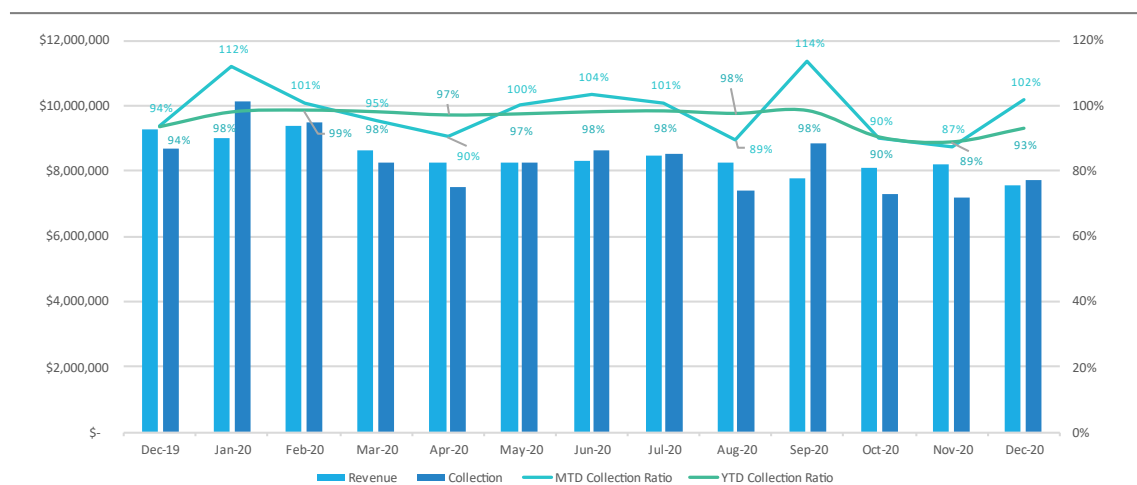
Overall Revenues and Demand



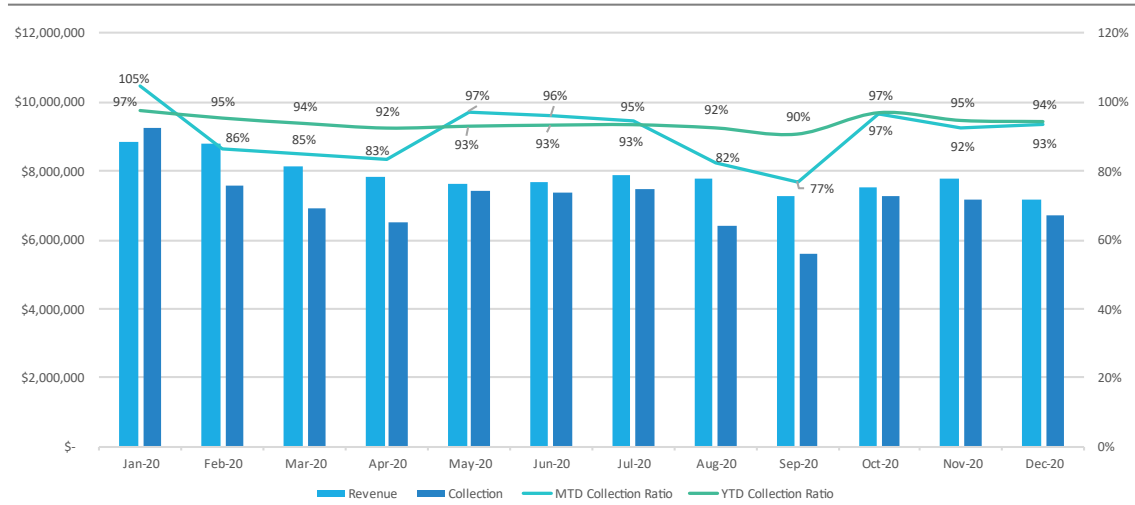
Revenues and Demand



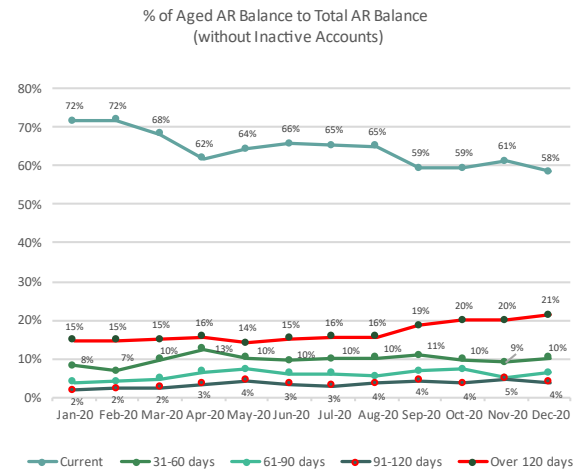
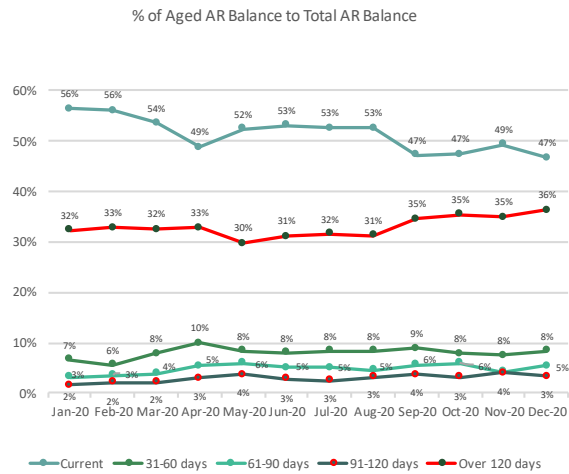
Overall Revenues and Collections



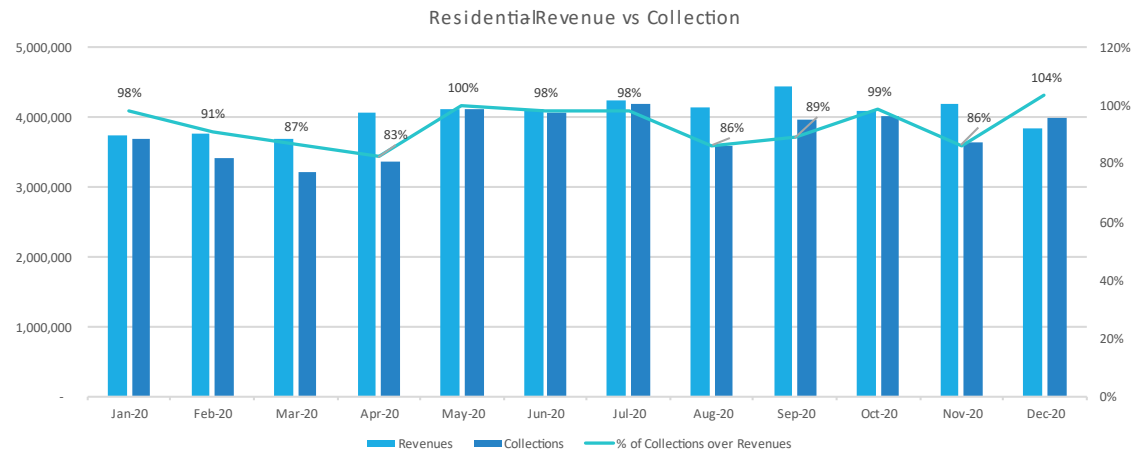
Revenues and Collections (without Navy)



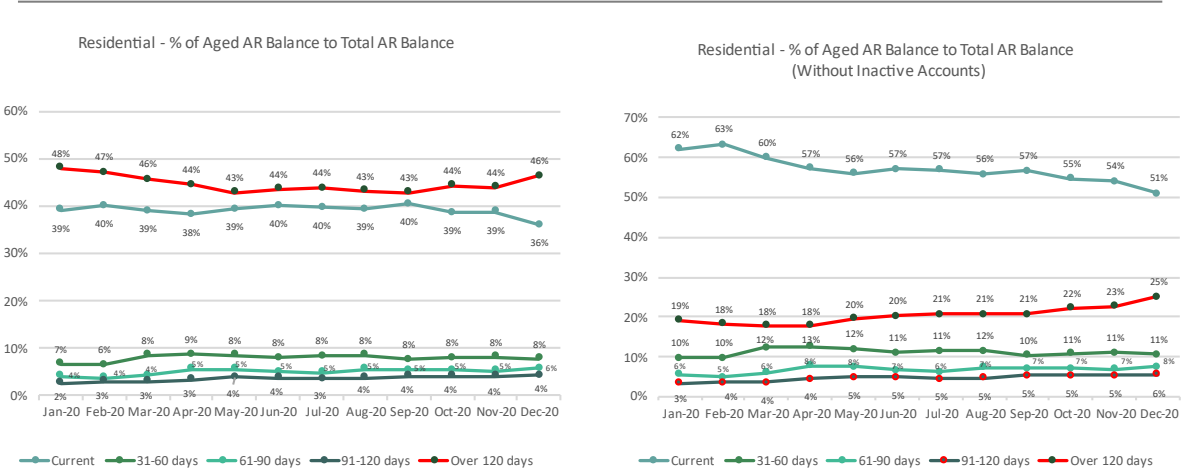
Overall– AR Aging



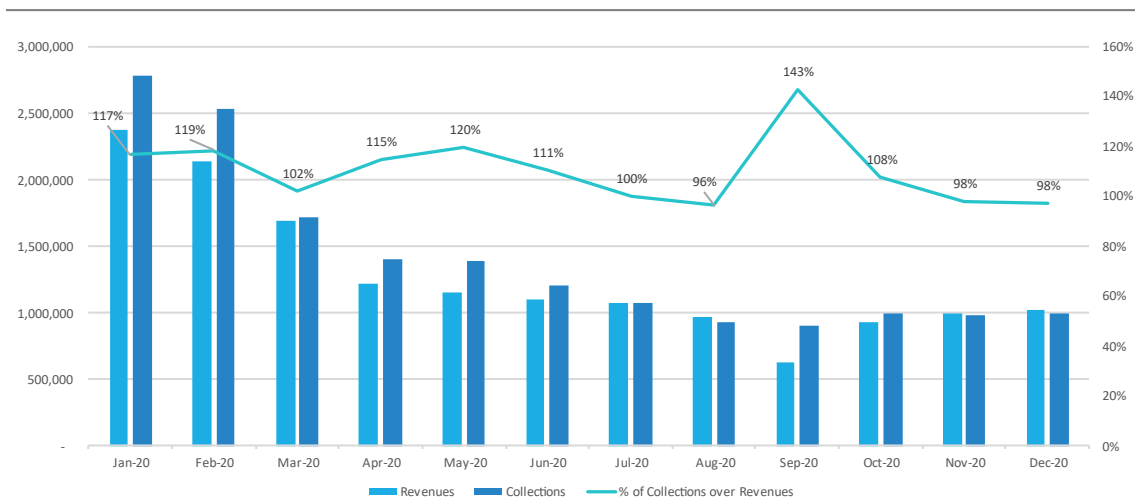
Residential Revenues and Collections



Residential- AR Aging

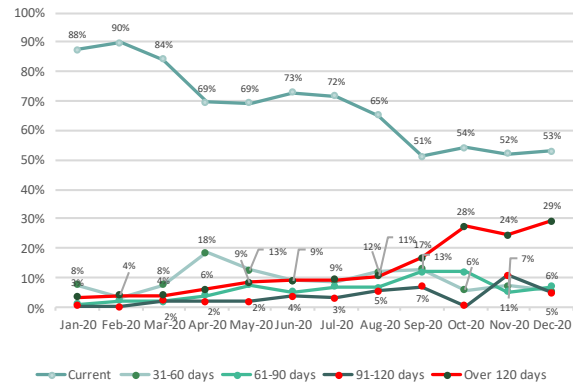


Hotel Revenues and Collections

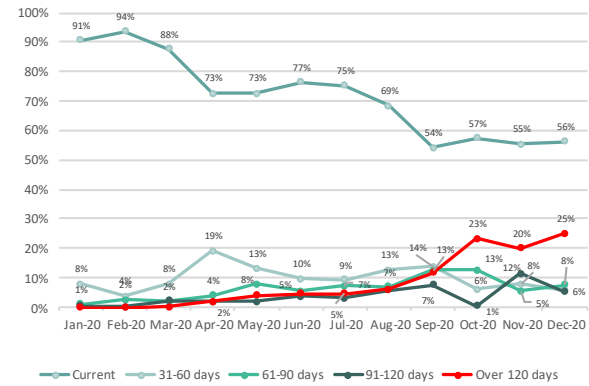


Hotel –AR Aging

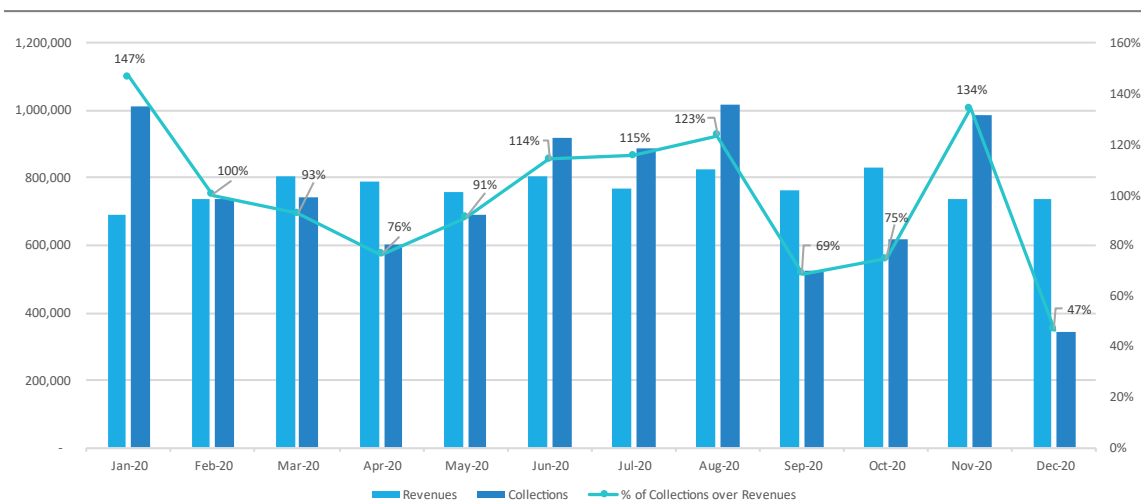
Hotel - % of Aged AR Balance to Total AR Balance



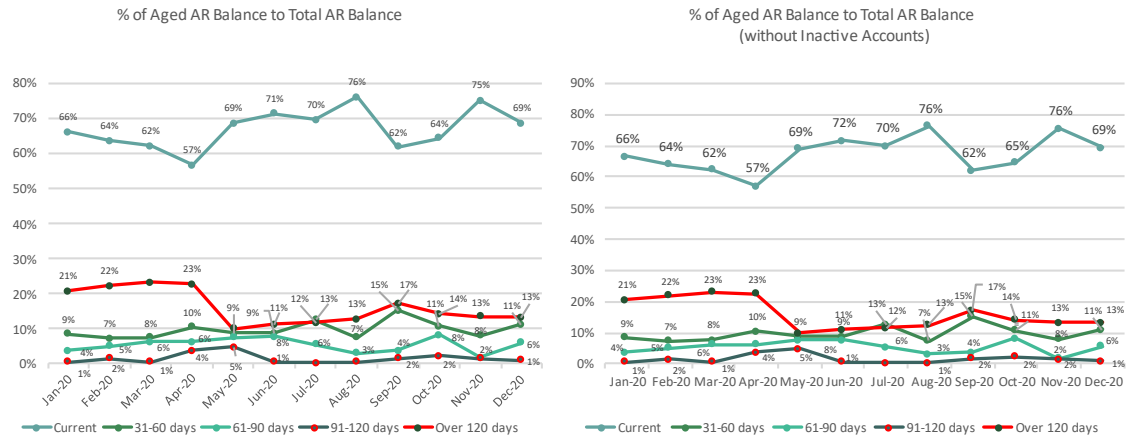
Hotel - % of Aged AR Balance to Total AR Balance
(without Inactive Accounts)



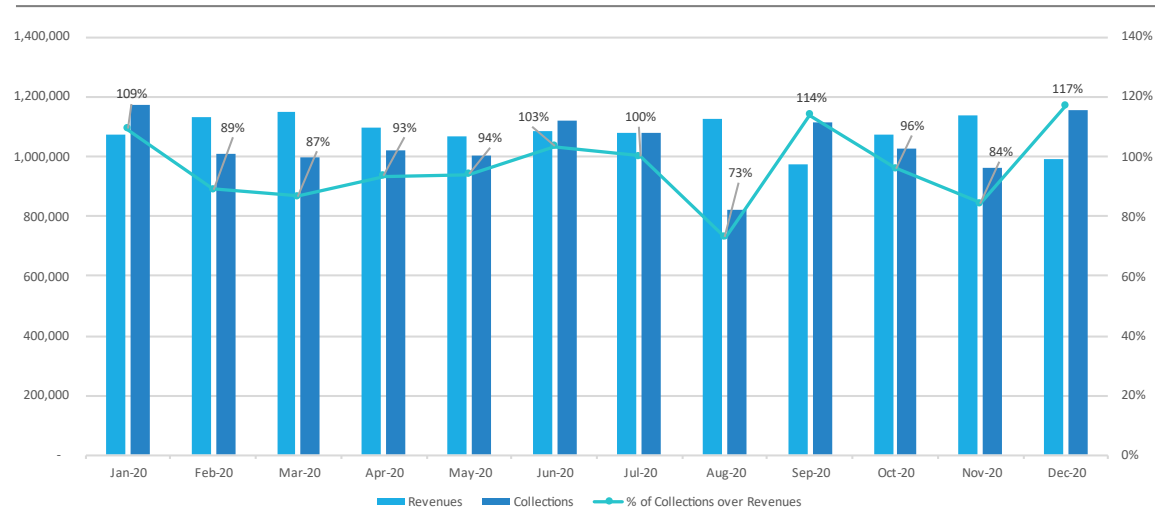
Government Revenues and Collections



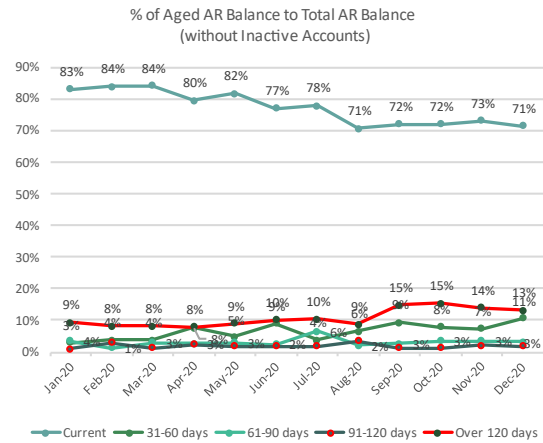
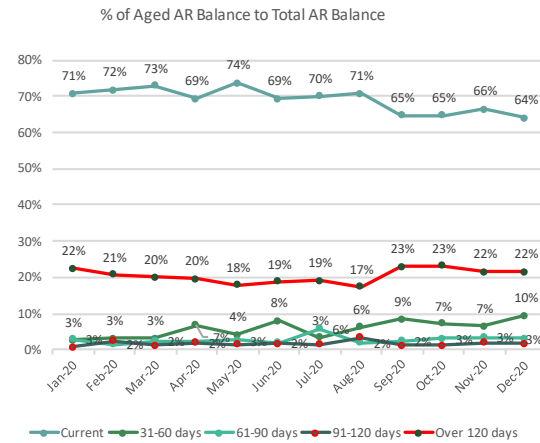
Government -AR Aging



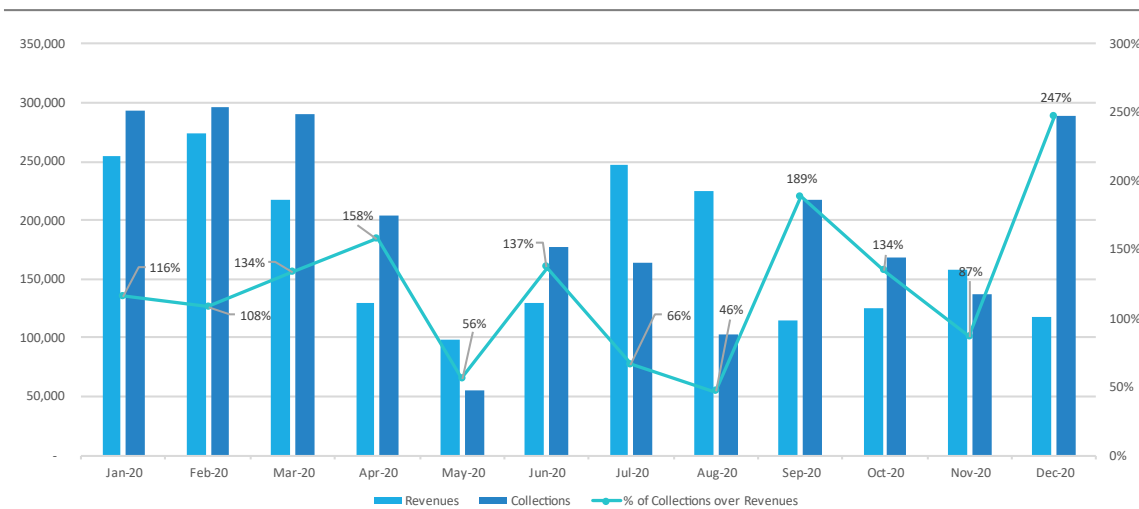
Commercial I Revenues and Collections



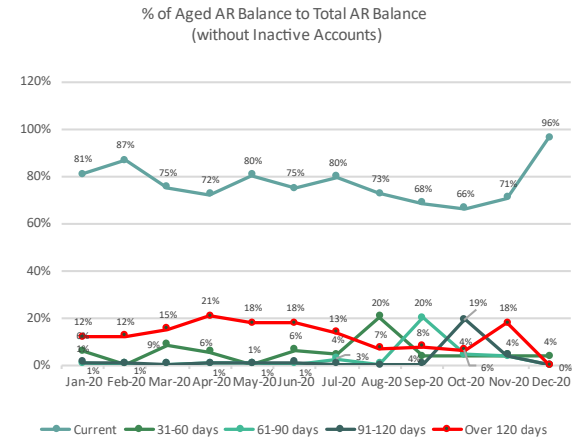
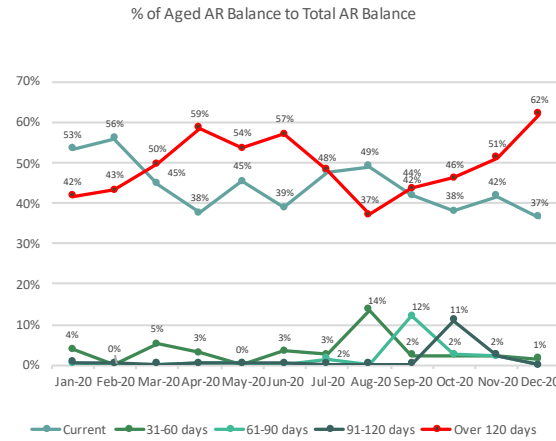
Commercial I –AR Aging



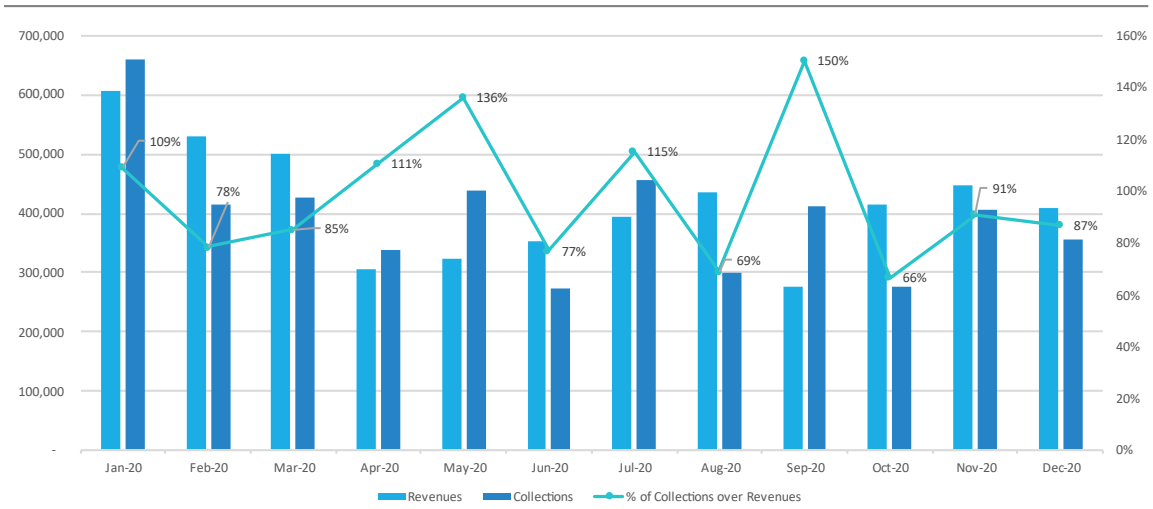
Commercial II Revenues and Collections



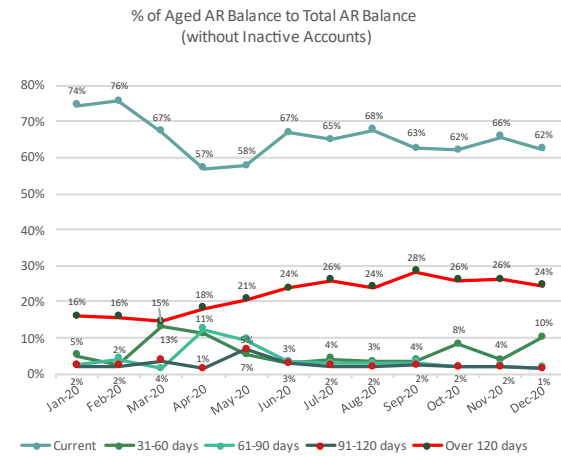
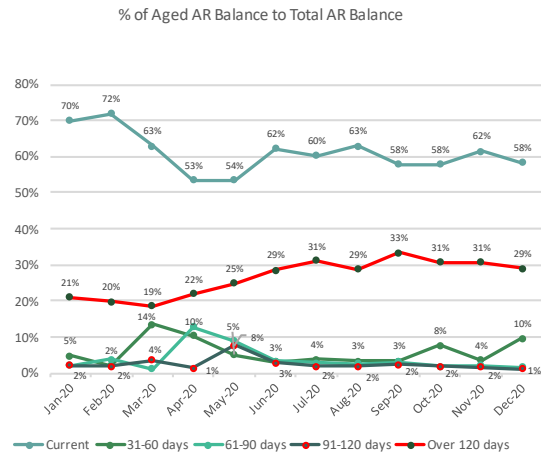
Commercial II- AR Aging



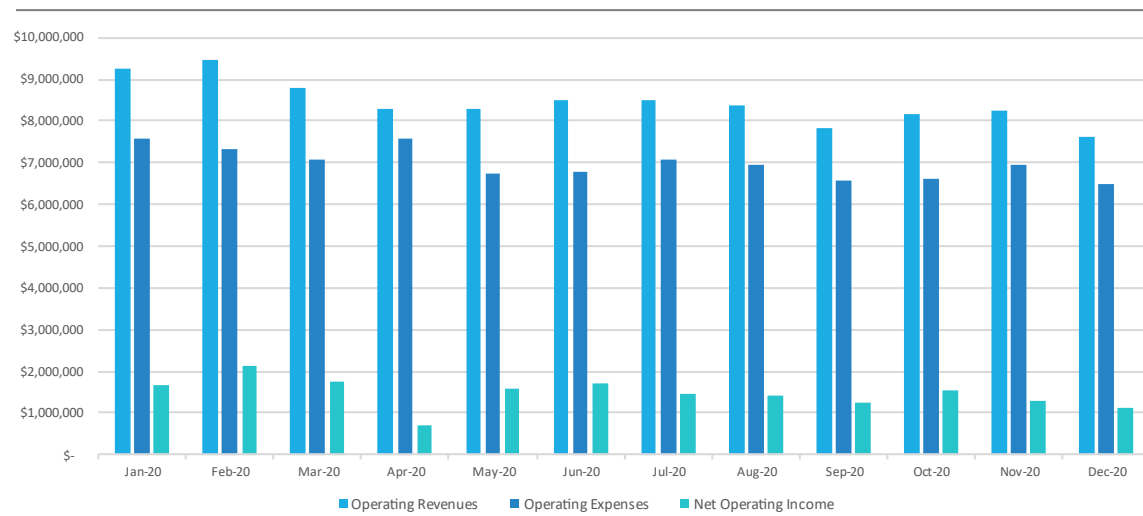
Commercial III Revenues and Collections



Commercial III -AR Aging



Income Statement



2011 Court Order Performance Report Card / Dashboard as of 09/30/2020



GUAM WATERWORKS AUTHORITY

Court Order Performance Report Card

	Items	On-time Items Completed/Continuous	Items Delayed	Completed Late	Items on Schedule	Performance %
Court order total	93	78	1	14	0	98.9%

Legend in detail section below.

Fill Color	Meaning
Lime green	Done/Completed
Yellow	On Schedule
Blue	Behind Schedule
Violet	Completed Behind Schedule
Yellow Green	Ongoing and Continuous Counted under Completed

GWA Work Session - January 19, 2021 - DIVISION REPORTS

2011 Court Order Performance Report Card / Dashboard as of 09/30/2020

Name	SO #	No	Project	GWA SO Timeline	Due to EPA	Status
Northern District WWTP Primary Treatment Upgrades.	2	1	Interim Primary Treatment Improvements Complete	09/30/2012	@EPA	Done Construction completed 12/13/2012
	3(a)	2	Interim Effluent to meet Table 1	09/30/2012 monitoring started	@EPA	Done Table 1 compliance beginning January 9, 2013.
	3(a)(1)	3	PE Review (Application for 7.5 MGD pending)	3 months after compliance with 3(a)	@EPA	Done 3(a)(1) Application to increase to 7.5 MGD Approved 08/13/2017
	3(a)(2)	4	(Application for 9 MGD)	3 months after compliance with 3(a)(1)	N/A	Not considered necessary because of OEA Upgrade of NDWWTP to Secondary
	3(c)	5	Effluent monitoring (calendar-year quarter)	Completed	@EPA	Done. Full year completed 01/08/2012
	4(a)	6	Sludge & Biosolids Management Plan	12/31/2011	@EPA	Done. Biosolids to Landfill EPA Approval 08/17/2014
	4(a)	7	Adequate stabilization and dewatering	9/30/2012	@EPA	Done. By Design-Build contract.
	4(b)	8	Biosolids Management, Quarterly Report	Quarterly Report	@EPA	Ongoing Routine Monitoring Report, Repeats Quarterly
	4(c)	9	Biosolids Management, repair & replace facilities	09/30/2012	@EPA	Done Construction Complete 12/13/2012. Biosolids to Landfill
	4(d)	10	Biosolids Management, implement plan	9/30/2012	@EPA	Done - Biosolids to Landfill
Agaña WWTP Interim Measures.	5	11	Primary Treatment Plant Upgrades	06/30/2013	@EPA	Done. CEPT is operational and routine.
	5(a)	12	Scope and schedule	09/30/2011	@EPA	Done. CEPT is operational and routine.
	5(b)	13	Septage Handling Complete	06/30/2013	@EPA	Done. Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(b) 1	14	Septage handling design contract signed	12/31/2011	@EPA	Done. Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(b) 2	15	Septage handling construction notice to proceed	06/30/2012	@EPA	Done. Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(c)	16	Grit and FOG Complete	06/30/2013	@EPA	Done Phase III CEPT is in operations.)
	5(c) 1	17	Grit and FOG design contract signed	12/31/2011	@EPA	Done Grit and FOG reported 06/06/2013
	5(c) 2	18	Grit and FOG construction notice to proceed	06/30/2012	@EPA	Done Submitted 11/17/2011
	5(d)	19	Repair Solids handling	11/17/2011	@EPA	Done Submitted 11/17/2011
	5(e)	20	O & M Plan	05/31/2013	@EPA	Done O & M Plan reported 05/31/2012
	5(f)	21	Effluent monitoring (calendar-year quarter)	Completed	@EPA	Done - Completed Full year as of 01/08/2012
	6	22	Prevent Effluent Back Surge	06/30/2013	@EPA	Done Old outfall decommissioned (plugged) 06/25/2013
	6	23	Effluent Back Surge Plan	12/30/2011	@EPA	Done Old outfall decommissioned (plugged) 06/25/2013
	7	24	Collection System SSES and I/I evaluation	Done.	@EPA	Done.
SSES Work Plan	8	25	Work Plan	180 days	@EPA	Done Reported 08/13/2012
	8(a)	26	Flow and rainfall data	N/A	@EPA	Done Reported 04/25/2013
	8(b)	27	I/I Southern	540 days	@EPA	Done Reported 04/25/2013
	8(c)	28	I/I Central	900 days	@EPA	Done Reported 04/28/2014
	8(d)	29	SSES Southern	540 days	@EPA	Done Reported 04/30/2013 – update 04/29.2016
	8(e)	30	SSES Central	900 days 09/15/2015 EPA Disap. Ltr.	@EPA	Done Late – Completed June 2, 2017
	8(e) 2	31	SSES Central Report	09/15/2015 EPA Disapproval Letter	@EPA	Done Late – Completed June 2, 2017
	9(a)	32	By Pass Report	60 days	@EPA	Done Reported 01/04/2012
Agat / Santa Rita,	9(b)	33	Flow Meter	180 days	@EPA	Done Reported 07/26/2012
	9(c) 1, 2, 3	34	Report evaluating near term measures	180 days response sent 09/29/2014	@EPA	Done Reported 05/07/2012 GWA response 09/29/2014.
	9(d)	35	Implement near term measures d - Disinfection	03/23/2016	@EPA	Done Late EPA specifications of 9(c), 9(d) and 9(f) on 09/24/2015.
	9(e)	36	Implement near term measures e – sludge mgmt.	03/23/2016	@EPA	Done Reported 03/23/2016
	9(f)	37	Implement near term measures f – 75% Bypass Red.	03/23/2016	@EPA	Done Reported 03/23/2016
	10	38	System Evaluation	12/31/2013 response sent 09/29/2014	@EPA	Done Reported 12/28/2013 GWA response 09/29/2014.- update 04/29/2016
	11	39	System Upgrades	03/14/2017 Plant became operational.	@EPA	Done Late New Agat WWTP on line 03/14/2017
	11(a)	40	System Upgrades design	06/30/2014-NTP 10/13/2014	@EPA	Done Late CCU approval 08/26/2014. NTP was issued on 10/13/2014
	11(b)	41	System Upgrades notice to proceed	06/30/2015-NTP 10/02/2015	@EPA	Done Late NTP Ph.1 issued 10/02/2015 - NTP Ph.2 due 01/04/2016
	12(a)	42	Interim Measures Evaluation (Independent PE)	180 days	@EPA	Done Reported 05/07/2012, PMO task
	12(b)	43	Interim Measures Complete	540 days	@EPA	Done Reported 05/01/2013 PMO task
Baza Gardens	12(c)	44	Evaluation Bio Solids Report	180 days	@EPA	Done -EPA Approval 08/28/2014
	12(d)	45	Complete Bio Solids	360 days	@EPA	Done Reported 03/21/2013
	13	46	System Evaluation	04/30/2014	@EPA	Done Reported 04/30/2014 GWA response 10/02/2014
	14	47	System Upgrades	04/31/2018	@EPA	Done Critical path need to complete I&I/SSES
	14(a)	48	System Upgrades, Design Starts	10/31/2015 NTP DCA 02/05/2016	@EPA	Done Late Linked to new Agat WWTP NTP DCA 02/05/2016
	14(b)	49	System Upgrades Construction (started on time)	10/31/2016	@EPA	Done Late Finished 12/31/2018.

GWA Work Session - January 19, 2021 - DIVISION REPORTS

2011 Court Order Performance Report Card / Dashboard as of 09/30/2020

Name	SO #	No	Project	GWA SO Timeline	Due to EPA	Status
Umatac-Merizo	15	50	Complete Evaluation	12/31/2013	@EPA	Done Reported 12/31/2013 -- Critical path, completed I&I/SSES
	16	51	System Upgrades	12/31/2018	@EPA	Delayed by US Fish and Wildlife issues -- completed November 13, 2019
	16(a)	52	System Upgrades, Design Starts	06/30/2016	@EPA	Done Design Build contract executed 06/29/2017
	16(b)	53	System Upgrades, Notice to Proceed	06/30/2017	@EPA	Done NTP Issued 06/30/2017
Sewer Cleaning	17	54	Sewer Cleaning (in annual and quarterly reports)	2017-2022 Goal set: Complete Every 5 years	@EPA	Ongoing -- 1 st round completed -- Second cycle under way
Hot Spot Plan	18	55	Hot Spot Plan	EPA Revision letter o9/08/2015	@EPA	Done Last Revision submitted 10/23/2015 GWA WW Ops
CCTV	19	56	CCTV (in annual and quarterly reports)	Done- 2016	@EPA	Done Whole System, 2016 Continues as indicated by cleaning work.
Sewer Hook-Up	20	57	Sewer Hook-Up Revolving Loan Support	In Operation	@EPA	Done -- available on GWA web site or at GWA Customer Service
GW Disinfection	21	58	Groundwater Chlorination	540 days	@EPA	Done Reported 04/29/2013
Chlorine Residual Monitors	22	59	Plan	180 days	@EPA	Done Reported 09/94/2012
	22(a)	60	High Risk Wells	540 days	@EPA	Done Reported 05/02/2013
	22(b)	61	Moderate Risk Wells	2 years	@EPA	Done Reported 07/31/2013
	22(c)	62	All Other Wells	Completed 07/31/2017	@EPA	Done Late -- Completed 07/31/2017
Water Metering	23(a)	63	Plan & schedule	180 days	@EPA	Done Late - Reported 05/08/2012
	23(a)	64	All connections are metered and mapped	2 years	@EPA	Done Late -- completed 11/15/2018
	23(b)	65	Plan repair & maintain	180 days	@EPA	Done GWA Test facility operational 06/28/2013
Ugum Surface Water Treatment Plant	24	66	Construction complete	One year	@EPA	Done Reported 11/09/2012
	24	67	PE Inspection	60 days before start-up	@EPA	Done EPA Approval 08/26/2014
	25	68	PE Performance Operation Assessment	60 days before start-up	@EPA	Done EPA Approval 08/26/2014
	26	69	O&M Plan and Procedures	90 days before start-up	@EPA	Done Reported 08/10/2012 EPA Approval 08/17/2014
	27	70	Plant compliance	365 days	@EPA	Done Reported 02/07/2013
Sinajana Water Transmission Line	28(a)	71	Existing Construction Complete	180 days	@EPA	Done Reported 12/23/2011
	28(b)	72	Hydraulic Evaluation	180 days	@EPA	Done EPA No Further Comment 08/26/2014
	28(c)	73	Construction Complete (2 tanks)	540 days from 11/21/2013	@EPA	Done Late GEPA Delays Tank Constr. Completed August 2015: In Service July 2016.
	28(d) 1	74	Monitoring Plan	90 days prior	@EPA	Done Reported 09/07/2012
	28(d) 1	75	Implement- Monitoring Plan	For one year after start up	@EPA	Done GWA Compliance - Start 09/01/2015 -- end 08/31/2016
	28(d) 2	76	Monitoring Plan	180 days prior	@EPA	Done EPA Approval 08/26/2014
	28(e)	77	Implement- Monitoring Plan	For one year after start up	@EPA	Done - Start 09/01/2015 -- end 08/31/2016
Storage Tank/Reservoir Rehabilitation and Replacement Program.	29(a) 1	78	Plan hydraulic analysis	90 days	@EPA	Done Reported 11/09/2012
	29(a) 2	79	Hydraulic analysis	540 days	@EPA	Done EPA No Further Comment 08/26/2014
	29(b) 1	80	Plan minimize service interruptions	90 days after approval	@EPA	Done EPA approval 08/26/2014
	29(b) 2	81	Tank inspection schedule	540 days	@EPA	Done EPA approval 08/26/2014
	29(b) 3	82	Complete Barrigada (1 @ 2 MG tank)	540 days	@EPA	Done
	29(b) 4	83	Assess additional 7 tanks	5 years (11/10/2016)	@EPA	Done DCA contract task
	29(b) 5	84	RRRR 7 additional tanks	5 years (11/10/2016)	@EPA	Done PMO executed procurement
	29(b) 6 i	85	RRRR 10 additional tanks	7 years (11/10/2018)	@EPA	Done -- 11 tanks
	29(b) 6 ii	86	RRRR remaining tanks	12/31/2020	@EPA	In Progress, may exceed present time estimate
	29(c)	87	In Quarterly / Annual Report	Quarterly / Annual Report	@EPA	Ongoing GWA Compliance Repeats Quarterly
Section III REPORTING REQUIREMENTS	31(a)(1)	88	Quarterly Report	Jan., April, July, Sept. Continuous	@EPA	Ongoing Due by the 30 th of the specified months
	31(a)(2)	89	Reports on Non Compliance	Within 30 days from determination of delay	@EPA	Ongoing As determined by GWA
	31(b)	90	SSO and Bypass Report	Jan., April, July, Sept. Continuous	@EPA	Ongoing Due by the 30th of the specified months
	31(c)	91	Annual Report	January each year	@EPA	Ongoing Included with 31(a) each Year
Section IV NOTICES	35	92	CO contacts		@EPA	Ongoing GWA Compliance report 06/29/2016
	36	93	Formal notices of change in CO contacts	Whenever specified staffing changes	@EPA	Ongoing GWA Compliance report 06/29/2016

GWA Utility Services Division
Monthly Status Report
Month ending NOV 2020

FY2021		WEEK ENDING: 11/07/20	WEEK ENDING: 11/14/20	WEEK ENDING: 11/21/20	WEEK ENDING: 11/28/20	WEEK ENDING: 12/05/20	NOV 2020 MONTHLY TOTAL	WEEKLY AVERAGE NOV 2020	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES									WEEKLY AVERAGE OCT 2020	OCT 2020 MONTHLY TOTAL
Collections Activities:										
I.	Number of accounts cut for nonpayment:	0	0	0	0	0	0	0	0	0
II.	Number of accounts restored for nonpayment:	1	2	5	1	1	10	2	2	10
III.	Number of No water reports responded to:	5	4	0	1	3	13	3	4	22
IV.	Number of Secure/Unsecure valve reports responded to:	6	2	11	2	1	22	4	7	34
V.	Number of Verify reads responded to:	10	4	6	4	2	26	5	2	12
VI.	Number of new pay plans negotiated for active accounts:	45	45	86	42	49	267	53	61	307
VII.	Number of active pay plans negotiated and ongoing:	431	439	451	457	367		429	464	
VIII.	Number of inactive accounts with a payment arrangement:	4	4	4	4	4		4	11	
IX.	Number of broken payment plans:	46	10	19	23	54	152	30	30	152
Customer Service Activities (lobby visits):										
A. GBN Public Service Building – Fadjan										
i.	Total Customers Assisted:	128	119	132	94	146	619	124	125	624
ii.	Total Abandoned Requests:	2	2	1	0	0	5	1	2	9
iii.	Average Wait Time:	5 minutes	6 minutes	4 minutes	5 minutes	5 minutes		5 minutes	3.8 minutes	
iv.	Average Service Time:	12 minutes	13 minutes	13 minutes	13 minutes	12 minutes		12.6 minutes	11.6 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	44	47	45	28	52	216	43	45	225
2.	Restore water cut for non payment:	0	0	0	0	0	0	0	0	0
3.	Terminate Water:	12	0	9	15	18	54	11	10	52
4.	Copy of Bill:	18	10	16	9	14	67	13	12	62
5.	Billing Dispute:	29	27	31	25	35	147	29	25	124
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	1
7.	General Questions & Other:	17	24	27	16	23	107	21	26	130
8.	Report a water leak:	0	0	0	0	0	0	0	0	2
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	8	3	4	1	4	20	4	5	27
B. Julale Satellite Office – Hagatna										
i.	Total Customers Assisted:	121	133	132	97	159	642	128	111	554
ii.	Total Abandoned Requests:	6	4	9	2	4	25	5	4	18
iii.	Average Wait Time:	4 minutes	4 minutes	4 minutes	2 minutes	6 minutes		4 minutes	3.8 minutes	
iv.	Average Service Time:	11 minutes	10 minutes	9 minutes	8 minutes	10 minutes		9.6 minutes	8.4 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	44	37	35	33	53	202	40	43	213
2.	Restore water cut for non payment:	0	0	1	0	0	1	0	0	0
3.	Terminate Water:	11	12	8	13	16	60	12	10	48
4.	Copy of Bill:	20	18	11	14	27	90	18	13	65
5.	Billing Dispute:	23	24	35	18	29	129	26	26	131
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	1
7.	General Questions & Other:	15	33	30	15	29	122	24	18	89
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:	8	9	12	4	5	38	8	4	18
C. Upper Tumon Satellite Office – Upper Tumon										
i.	Total Customers Assisted:	114	129	125	119	167	654	131	122	610
ii.	Total Abandoned Requests:	3	3	4	6	7	23	5	3	14
iii.	Average Wait Time:	7 minutes	2 minutes	1 minute	2 minutes	2 minutes		2.8 minutes	1.4 minutes	
iv.	Average Service Time:	14 minutes	13 minutes	13 minutes	14 minutes	13 minutes		13.4 minutes	15 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	33	44	40	44	58	219	44	44	219
2.	Restore water cut for non payment:	0	0	0	0	1	1	0	1	3
3.	Terminate Water:	22	14	12	16	25	89	18	18	88
4.	Copy of Bill:	15	11	10	6	6	48	10	7	33
5.	Billing Dispute:	34	39	31	23	42	169	34	25	126
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	10	48
7.	General Questions & Other:	6	17	25	27	28	103	21	13	67
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:	4	4	7	3	7	25	5	7	33

GWA Utility Services Division
Monthly Status Report
Month ending NOV 2020

FY2021 UTILITY SERVICES DIVISION ACTIVITIES		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	NOV 2020 MONTHLY TOTAL	WEEKLY AVERAGE NOV 2020	PREVIOUS MONTH	
		11/07/20	11/14/20	11/21/20	11/28/20	12/05/20			WEEKLY AVERAGE OCT 2020	OCT 2020 MONTHLY TOTAL
Customer Service Activities (Electronic):										
i. Emails Recieved:										
1. customers@guamwaterworks.org:		220	169	185	122	169	865	173	226	1132
Request type (email):										
a. Apply for water:		42	31	37	26	43	179	36	42	212
b. Terminate Water:		16	14	14	8	13	65	13	17	87
c. Copy of Bill:		3	1	1	0	2	7	1	2	12
d. Billing Dispute & follow up:		9	10	14	10	14	57	11	17	86
e. General Questions & Other:		106	85	93	62	72	418	84	106	529
f. Report a water leak:		7	3	4	0	0	14	3	8	41
g. Report water theft:		0	0	0	0	0	0	0	0	0
h. Online services inquiry:		37	25	22	16	25	125	25	33	164
2. gwaservesme@guamwaterworks.org (realtors/prop		0	0	0	0	0	0	0	0	1
ii. Emails Replied (both):		119	120	100	63	106	508	102	149	745
iii. Online Portal:										
Request type (online portal):										
a. Start Service:		0	3	2	0	5	10	2	4	19
b. Stop Service:		1	1	2	1	0	5	1	1	5
c. Payment Plan:		1	0	0	0	1	2	0	1	4
d. Customer Information Updates:		2	2	1	2	1	8	2	1	4
e. Service Investigations:		0	0	2	1	0	3	1	1	6
f. Account Inquiries:		1	2	4	1	0	8	2	1	4
g. Technical Support:		0	0	1	0	0	1	0	0	1
h. Outages & Emergencies:		0	0	1	0	0	1	0	0	0

Call Center Activities:										
i. Calls Recieved:		1427	1214	1361	1009	1357	6368	1274	1468	7340
ii. Calls Immediately Answered:		568	680	781	515	739	3283	657	758	3790
iii. Calls Abandoned:		84	48	54	48	52	286	57	66	329
iv. Calls Handled by Voice mail:		775	486	525	446	566	2798	560	643	3216
v. Average duration of call:		11 minutes	5 minutes	7 minutes	6 minutes	5 minutes		6.8 minutes	4.2 minutes	
vi. Breakdown by request type:										
1. Apply/Terminate info:		62	58	47	37	51	255	51	51	253
2. Automated Telephone Call:		0	0	0	0	0	0	0	0	0
3. Balance Inquiry:		47	52	64	37	41	241	48	66	331
4. Call Back:		15	4	14	15	33	81	16	10	51
5. Dispatch:		7	36	48	17	23	131	26	16	79
6. Dispute:		2	2	0	1	0	5	1	1	4
7. Follow-up:		29	44	55	24	32	184	37	34	170
8. General Questions & Other:		106	97	120	100	110	533	107	136	680
9. Route Calls to GWA Staff:		119	172	207	163	197	858	172	180	899
10. No Water:		7	45	45	11	31	139	28	18	91
11. Online/Phone App Help:		36	54	55	29	50	224	45	63	316
12. Pay by Phone:		136	123	126	93	172	650	130	206	1031
13. Pay Plan:		15	20	27	16	29	107	21	26	130
14. Restore Non-payment:		0	0	0	0	0	0	0	0	0
15. Secure/Unsecure Valve:		7	5	18	5	11	46	9	12	60
16. Voice Mail:		92	70	87	42	89	380	76	98	491
17. Water leak:		11	13	13	9	12	58	12	13	64

Bill Dispute & Resolution Activities:										
i. Dispute Resolution:										
1. Number of disputed accounts resolved:		14	17	10	12	14	67	13	16	79
2. Number of disputed accounts under review:		1632	1638	1643	1650	1643		1641	1603	

Data Entry of Completed Field work in CIS:										
i. Document Control:										
1. Number of field activities posted:		217	407	345	424	258	1651	330	357	1783
2. Number of field activities pending:		220	185	166	216	361	1148	230	224	1120

Field Response Activities:										
I. Number of field activities assigned:		227	168	201	164	311	1071	214	220	1098
II. Number of field activities completed:		195	260	255	270	356	1336	267	288	1438
III. Number of field activities pending field action:		3	5	4	2	3	17	3	2	9

GWA Utility Services Division
Monthly Status Report
Month ending NOV 2020

FY2021 UTILITY SERVICES DIVISION ACTIVITIES		PREVIOUS MONTH								
		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	NOV 2020 MONTHLY TOTAL	WEEKLY AVERAGE NOV 2020	WEEKLY AVERAGE OCT 2020	OCT 2020 MONTHLY TOTAL
		11/07/20	11/14/20	11/21/20	11/28/20	12/05/20				
Meter Reading Activities:										
I. Number of meters read:										
A. Electronically Read Meters:										
		7927	10937	14566	6366	2720	42516	8503	8494	42468
B. Manually Read Meters:										
i. Unread meters (Meters scheduled but not read):										
		35	24	32	22	12	125	25	23	114
ii. Number of data logs received:										
		8	3	5	9	2	27	5	13	64
iii. Number of data logs retrieved:										
		21	25	32	35	7	120	24	28	142
iv. Number of data logs pending field action:										
		20	19	31	33	7	110	22	25	125
v. Communication Errors/Reprogramming requests:										
		3	2	4	1	0	10	2	2	8
vi. Number of estimated readings (for the week):										
		2	1	7	2	0	12	2	6	29
vii. Reasons for Estimations:										
1. Cant locate meter:										
		1	1	0	1	0	3	1	1	6
2. Temporary Obstruction:										
		1	1	0	2	1	5	1	0	0
3. Vicious Dog:										
		0	0	2	0	1	3	1	0	0
4. Flooded meter:										
		1	0	0	0	0	1	0	0	2
5. Corrective action to database requested:										
		0	0	0	0	0	0	0	6	29
6. Possible changed out meter:										
		0	0	0	0	0	0	0	8	40
7. Communication/Programming error (code 92's):										
		4	1	5	3	0	13	3	1	6
8. Other:										
		0	0	0	2	0	2	0	3	13
a. Leaks Detected on Customer's private line:										
		1255	1912	2680	946	317	7110	1422	1396	6981
b. Reverse Flow Detected:										
		30	194	98	152	19	493	99	146	729
c. No Usage Detected:										
		270	345	331	306	154	1406	281	281	1406
d. Tamper Code:										
		9	5	17	9	5	45	9	8	42
C. Electronic Read Percentage:		99.56%	99.78%	99.78%	99.66%	99.56%		99.7%	99.7%	
Illegal Connection & Unauthorized Use of Water Activities:										
I. Number of Inactive Still Consuming Reports rec'd & investigated:										
		0	1	0	1	0	2	0	0	0
II. Number of Illegal Connection reports rec'd & investigated:										
		0	0	0	2	3	5	1	0	1

GWA Utility Services Division
Monthly Status Report
Month ending DEC 2020

FY2021 UTILITY SERVICES DIVISION ACTIVITIES		WEEK ENDING: 12/05/20	WEEK ENDING: 12/12/20	WEEK ENDING: 12/19/20	WEEK ENDING: 12/26/20	WEEK ENDING: 01/02/21	DEC 2020 MONTHLY TOTAL	WEEKLY AVERAGE DEC 2020	PREVIOUS MONTH	
									WEEKLY AVERAGE NOV 2020	NOV 2020 MONTHLY TOTAL
Collections Activities:										
I.	Number of accounts cut for nonpayment:	0	0	0	0	0	0	0	0	0
II.	Number of accounts restored for nonpayment:	1	0	0	1	0	2	0	2	10
III.	Number of No water reports responded to:	3	1	0	1	0	5	1	3	13
IV.	Number of Secure/Unsecure valve reports responded to:	1	12	4	5	2	24	5	4	22
V.	Number of Verify reads responded to:	2	6	5	5	4	22	4	5	26
VI.	Number of new pay plans negotiated for active accounts:	49	38	38	48	52	225	45	53	267
VII.	Number of active pay plans negotiated and ongoing:	367	332	334	339	344		343	429	
VIII.	Number of inactive accounts with a payment arrangement:	4	4	5	5	5		5	4	
IX.	Number of broken payment plans:	54	65	18	11	9	157	31	30	152
Customer Service Activities (lobby visits):										
A. GBN Public Service Building – Fadian										
i.	Total Customers Assisted:	146	106	125	80	107	564	113	124	619
ii.	Total Abandoned Requests:	0	1	6	1	1	9	2	1	5
iii.	Average Wait Time:	5 minutes	5 minutes	5 minutes	5 minutes	7 minutes		5.4 minutes	5 minutes	
iv.	Average Service Time:	12 minutes	12 minutes	10 minutes	15 minutes	14 minutes		12.6 minutes	12.6 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	52	37	40	27	37	193	39	43	216
2.	Restore water cut for non payment:	0	0	0	0	0	0	0	0	0
3.	Terminate Water:	18	6	10	9	11	54	11	11	54
4.	Copy of Bill:	14	16	14	8	13	65	13	13	67
5.	Billing Dispute:	35	20	28	16	22	121	24	29	147
6.	Billing Dispute follow up:	0	0	1	0	0	1	0	0	0
7.	General Questions & Other:	23	26	31	17	18	115	23	21	107
8.	Report a water leak:	0	0	1	0	0	1	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	4	3	1	3	7	18	4	4	20
B. Julale Satellite Office – Hagatna										
i.	Total Customers Assisted:	159	104	130	84	103	580	116	128	642
ii.	Total Abandoned Requests:	4	2	6	2	2	16	3	5	25
iii.	Average Wait Time:	6 minutes	4 minutes	4 minutes	3 minutes	3 minutes		4 minutes	4 minutes	
iv.	Average Service Time:	10 minutes	9 minutes	10 minutes	11 minutes	8 minutes		9.6 minutes	9.6 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	53	90	36	31	26	236	47	40	202
2.	Restore water cut for non payment:	0	0	1	0	0	1	0	0	1
3.	Terminate Water:	16	12	16	11	7	62	12	12	60
4.	Copy of Bill:	27	19	15	13	13	87	17	18	90
5.	Billing Dispute:	29	19	33	16	38	135	27	26	129
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	0
7.	General Questions & Other:	29	19	27	12	19	106	21	24	122
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:	5	5	3	3	5	21	4	8	38
C. Upper Tumon Satellite Office – Upper Tumon										
i.	Total Customers Assisted:	167	118	134	88	116	623	125	131	654
ii.	Total Abandoned Requests:	7	1	1	1	4	14	3	5	23
iii.	Average Wait Time:	2 minutes	2 minutes	2 minutes	1 minutes	1 minutes		1.6 minutes	2.8 minutes	
iv.	Average Service Time:	13 minutes	17 minutes	12 minutes	14 minutes	14 minutes		14 minutes	13.4 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	58	47	50	30	44	229	46	44	219
2.	Restore water cut for non payment:	1	0	4	0	0	5	1	0	1
3.	Terminate Water:	25	15	18	12	14	84	17	18	89
4.	Copy of Bill:	6	5	11	8	2	32	6	10	48
5.	Billing Dispute:	42	26	25	22	35	150	30	34	169
6.	Billing Dispute follow up:	0	1	0	0	0	1	0	0	0
7.	General Questions & Other:	28	17	26	19	21	111	22	21	103
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:	7	10	2	2	3	24	5	5	25

GWA Utility Services Division
Monthly Status Report
Month ending DEC 2020

FY2021 UTILITY SERVICES DIVISION ACTIVITIES	WEEK ENDING: 12/05/20	WEEK ENDING: 12/12/20	WEEK ENDING: 12/19/20	WEEK ENDING: 12/26/20	WEEK ENDING: 01/02/21	DEC 2020 MONTHLY TOTAL	WEEKLY AVERAGE DEC 2020	PREVIOUS MONTH	
								WEEKLY AVERAGE NOV 2020	NOV 2020 MONTHLY TOTAL
Customer Service Activities (Electronic):									
i. Emails Received:									
1. customers@guamwaterworks.org:	169	135	122	85	79	590	118	173	865
Request type (email):									
a. Apply for water:	43	28	29	21	18	139	28	36	179
b. Terminate Water:	13	12	7	2	4	38	8	13	65
c. Copy of Bill:	2	3	1	1	1	8	2	1	7
d. Billing Dispute & follow up:	14	12	14	10	4	54	11	11	57
e. General Questions & Other:	72	63	55	33	41	264	53	84	418
f. Report a water leak:	0	2	5	2	3	12	2	3	14
g. Report water theft:	0	0	0	0	0	0	0	0	0
h. Online services inquiry:	25	15	11	16	8	75	15	25	125
2. gwaservesme@guamwaterworks.org (realtors/prop	0	0	0	0	0	0	0	0	0
ii. Emails Replied (both):	106	82	77	63	92	420	84	102	508
iii. Online Portal:									
Request type (online portal):									
a. Start Service:	5	1	2	3	2	13	3	2	10
b. Stop Service:	0	1	1	0	0	2	0	1	5
c. Payment Plan:	1	0	0	2	0	3	1	0	2
d. Customer Information Updates:	1	0	0	0	1	2	0	2	8
e. Service Investigations:	0	0	0	0	0	0	0	1	3
f. Account Inquiries:	0	1	1	1	1	4	1	2	8
g. Technical Support:	0	0	0	0	1	1	0	0	1
h. Outages & Emergencies:	0	0	0	0	0	0	0	0	1
Call Center Activities:									
i. Calls Received:	1357	1223	1128	819	1055	5582	1116	1274	6368
ii. Calls Immediately Answered:	739	606	656	552	428	2981	596	657	3283
iii. Calls Abandoned:	52	51	53	42	50	248	50	57	286
iv. Calls Handled by Voice mail:	566	566	418	225	576	2351	470	560	2798
v. Average duration of call:	5 minutes	6 minutes	4 minutes	4 minutes	6 minutes		5 minutes	6.8 minutes	
vi. Breakdown by request type:									
1. Apply/Terminate info:	51	38	52	32	32	205	41	51	255
2. Automated Telephone Call:	0	0	0	0	0	0	0	0	0
3. Balance Inquiry:	41	32	44	46	27	190	38	48	241
4. Call Back:	33	11	9	2	23	78	16	16	81
5. Dispatch:	23	21	17	33	21	115	23	26	131
6. Dispute:	0	0	2	0	0	2	0	1	5
7. Follow-up:	32	35	29	34	12	142	28	37	184
8. General Questions & Other:	110	105	112	68	70	465	93	107	533
9. Route Calls to GWA Staff:	197	166	197	180	125	865	173	172	858
10. No Water:	31	31	5	25	24	116	23	28	139
11. Online/Phone App Help:	50	31	30	15	17	143	29	45	224
12. Pay by Phone:	172	152	142	111	77	654	131	130	650
13. Pay Plan:	29	24	29	17	27	126	25	21	107
14. Restore Non-payment:	0	0	0	0	0	0	0	0	0
15. Secure/Unsecure Valve:	11	17	11	8	6	53	11	9	46
16. Voice Mail:	89	88	55	24	91	347	69	76	380
17. Water leak:	12	15	14	11	10	62	12	12	58
Bill Dispute & Resolution Activities:									
i. Dispute Resolution:									
1. Number of disputed accounts resolved:	14	11	17	5	3	50	10	13	67
2. Number of disputed accounts under review:	1643	1641	1648	1645	1653		1646	1641	
Data Entry of Completed Field work in CIS:									
i. Document Control:									
1. Number of field activities posted:	258	258	417	379	329	1641	328	330	1651
2. Number of field activities pending:	361	333	353	210	212	1469	294	230	1148
Field Response Activities:									
I. Number of field activities assigned:	311	184	210	164	171	1040	208	214	1071
II. Number of field activities completed:	356	253	267	164	148	1188	238	267	1336
III. Number of field activities pending field action:	3	2	2	0	3	10	2	3	17

GWA Utility Services Division
Monthly Status Report
Month ending DEC 2020

FY2021 UTILITY SERVICES DIVISION ACTIVITIES		WEEK	WEEK	WEEK	WEEK	WEEK	DEC 2020	WEEKLY	PREVIOUS MONTH	
		ENDING:	ENDING:	ENDING:	ENDING:	ENDING:	MONTHLY	AVERAGE DEC	WEEKLY	NOV 2020
		12/05/20	12/12/20	12/19/20	12/26/20	01/02/21	TOTAL	2020	AVERAGE NOV	MONTHLY
Meter Reading Activities:										
I.	Number of meters read:									
A.	Electronically Read Meters:	7935	10934	14045	6924	2720	42558	8512	8503	42516
B.	Manually Read Meters:	25	26	28	23	13	115	23	25	125
i.	Unread meters (Meters scheduled but not read):	7	7	7	6	2	29	6	5	27
ii.	Number of data logs received:	25	17	29	17	27	115	23	24	120
iii.	Number of data logs retrieved:	31	15	25	20	33	124	25	22	110
iv.	Number of data logs pending field action:	0	1	0	0	0	1	0	2	10
v.	Communication Errors/Reprogramming requests:	4	0	5	2	5	16	3	2	12
vi.	Number of estimated readings (for the week):	75	156	199	276	37	743	149	121	607
vii.	Reasons for Estimations:									
1.	Cant locate meter:	1	1	1	1	0	4	1	1	3
2.	Temporary Obstruction:	0	0	0	1	0	1	0	1	5
3.	Vicious Dog:	0	0	0	0	0	0	0	1	3
4.	Flooded meter:	0	0	0	0	0	0	0	0	1
5.	Corrective action to database requested:	2	1	3	4	3	13	3	0	0
6.	Possible changed out meter:	2	3	4	1	1	11	2	0	0
7.	Communication/Programming error (code 92's):	0	0	0	0	0	0	0	3	13
8.	Other:	1	2	3	1	5	12	2	0	2
	a. Leaks detected on customer's private line:	1178	1888	2477	1024	315	6882	1376	1422	7110
	b. Reverse Flow Detected:	46	135	164	245	22	612	122	99	493
	c. No Usage Detected:	278	355	335	326	161	1455	291	281	1406
	d. Tamper Code:	12	5	15	14	3	49	10	9	45
C.	Electronic Read Percentage:	99.69%	99.76%	99.80%	99.67%	99.52%		99.7%	99.7%	
Illegal Connection & Unauthorized Use of Water Activities:										
I.	Number of Inactive Still Consuming Reports rec'd & Investigated:	0	0	0	0	0	0	0	0	2
II.	Number of Illegal Connection reports rec'd & investigated:	3	3	0	0	0	6	1	1	5



Engineering Monthly Report January 2021

Prepared By:

**Brett E. Railey, P.E.
Chief Engineer**

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

Potable Water

CIP #	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
PW 05-01	Ground Water Disinfection	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ -	N/A	N/A	\$ -	N/A	N/A
PW-05-05	"A Series Well Transmission Line	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	\$ -	N/A	N/A	\$ 700,000.00	0.00%	100.00%
PW 05-07	Meter Replacement Program	\$ 1,400,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-08	Barrigada Tank Repair/Replacement	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-09	Leak Detection	\$ 100,000.00	0.00%	100.00%	\$ 400,000.00	0.00%	100.00%
PW 05-10	Potable Water System Planning	\$ 876,294.00	100.00%	0.00%	\$ 400,000.00	0.00%	100.00%
PW 05-11	Implement Ground Water Rule	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	\$ 250,000.00	44.01%	55.99%	\$ 350,000.00	0.00%	100.00%
PW 05-14	New Deep Wells at Down Hard	\$ 1,190,000.00	0.00%	100.00%	\$ 500,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	\$ -	N/A	N/A	\$ 550,000.00	0.00%	100.00%
PW 05-16	Master Meters	\$ 2,151,539.00	90.70%	9.30%	\$ -	N/A	N/A
PW 09-01	Ugum Water Treatment Plant Intake	\$ -	N/A	N/A	\$ 600,000.00	0.00%	100.00%
PW 09-02	Water Wells	\$ 2,500,000.00	6.80%	93.20%	\$ 500,000.00	0.00%	100.00%
PW 09-03	Water Distribution System	\$ -	N/A	N/A	\$ 2,250,000.00	0.00%	100.00%
PW 09-04	Pressure Zone Realignment	\$ 1,141,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-06	Central Water Distribution System 2005	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-09	Water Reservoir Internal/External	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	\$ 800,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 58,830,170.00	91.80%	8.20%	\$ 25,900,000.00	0.00%	100.00%
PW 11-01	Distribution System Upgrades	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -	N/A	N/A	\$ 7,500,000.00	0.00%	100.00%
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 550,000.00	90.75%	9.25%	\$ -	N/A	N/A
PW 12-02	Production Plan / Reduce Navy Purchases	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	\$ 1,220,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo#1	\$ 1,822,133.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-06	Tank Replacement Piti & Hyundai	\$ 7,300,000.00	100.00%	0.00%	\$ 6,500,000.00	0.00%	100.00%
PW 12-07	Assessment of Maloljog Elevated & Yigo Elevated	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	\$ 1,200,000.00	99.70%	0.30%	\$ -	N/A	N/A
MP-PW-Pipe-01	Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-03	Hammon Clifline Piping to Route 1				\$ -	N/A	N/A
MP-PW-Pipe-04	Hyundai Well Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-05	Kaiser Zone Looping				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-07	Mataguac BPS Suction Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-08	Nimitz Lower BPS Piping				\$ -	N/A	N/A
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment				\$ -	N/A	N/A
MP-PW-Pipe-10	Miscellaneous Piping Projects				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-11	Miscellaneous Piping Connections				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-12	Rehabilitation and Replacement Program				\$ 2,000,000.00	0.00%	100.00%
MP-PW-Pipe-13	2-Inch Pipe Replacement Program				\$ 3,330,000.00	0.00%	100.00%
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program				\$ -	N/A	N/A
MP-PW-Pipe-15	PRV Rehab and Replacement				\$ 2,050,000.00	0.00%	100.00%
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program				\$ 250,000.00	0.00%	100.00%
MP-PW-Pipe-17	Cross Island Highway Piping				\$ 100,000.00	0.00%	100.00%
MP-PW-Tank-22	Existing Tank Inspections				\$ 150,000.00	0.00%	100.00%
MP-PW-Tank-23	Recurring Tank Inspections				\$ 400,000.00	0.00%	100.00%
MP-PW-BPS-01	Rehabilitate and Replace BPSs				\$ 409,000.00	0.00%	100.00%
MP-PW-BPS-02	Nimitz Hill Upper BPS				\$ 48,000.00	0.00%	100.00%
MP-PW-BPS-03	Route 15 BPS				\$ -	N/A	N/A
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project				\$ 380,000.00	0.00%	100.00%
MP-PW-SWTP-02	Ugum SWTP Intake Modifications				\$ 1,174,000.00	0.00%	100.00%
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements				\$ 1,150,000.00	0.00%	100.00%
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project				\$ -	N/A	N/A
MP-PW-Well-01	Well Rehabilitation Program				\$ 3,600,000.00	0.00%	100.00%
MP-PW-Well-02	Well Equipment Overhaul Program				\$ -	N/A	N/A
MP-PW-Well-03	Capacity Enhancement – Well Exploration Program				\$ 500,000.00	0.00%	100.00%
MP-PW-Well-04	Capacity Enhancement – Well Development and Construction				\$ -	N/A	N/A
MP-PW-Well-05	Wellhead Protection Program				\$ 300,000.00	0.00%	100.00%
MP-PW-Well-06	Well Repair Program				\$ 1,200,000.00	0.00%	100.00%
MP-PW-Misc-01	South Guam Water Supply Study				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement				\$ 750,000.00	0.00%	100.00%
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance				\$ -	N/A	N/A
MP-PW-Misc-04	OneGuam Program				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-05	Leak Detection Assistance				\$ 150,000.00	0.00%	100.00%
DoD-3	Rehabilitation and New NGLA Monitoring Wells				\$ -	N/A	N/A
		\$ 81,331,136.00			\$ 66,291,000.00		

Wastewater

CIP #	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
WW 05-04	Wastewater System Planning	\$ 312,983.00	100.00%	0.00%	\$ 150,000.00	56.32%	43.68%
WW 05-05	Wastewater Vehicles	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ 1,714,755.00	69.89%	30.11%	\$ 1,050,000.00	0.00%	100.00%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,055,478.00	56.98%	43.02%	\$ 1,400,000.00	0.00%	100.00%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	\$ 25,048,522.50	90.16%	9.84%	\$ -	N/A	N/A
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 252,105.00	100.00%	0.00%	\$ -	N/A	N/A
WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,226,659.06	89.93%	10.07%	\$ -	N/A	N/A
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-07	Umatac Merizo Replacement	\$ 20,952,871.63	99.93%	0.07%	\$ -	N/A	N/A
WW 12-08	Wastewater System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-09	Wastewater Facility Back Up Power	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-10	Wastewater System Asset Inventory	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-01	Wastewater Sewer System Expansion	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-02	Northern District WWTP Secondary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program				\$ 1,970,000.00	0.00%	100.00%
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement				\$ -	N/A	N/A
MP-WW-Pipe-03	Route 1 Piti Pipe Rehabilitation/Replacement				\$ 940,000.00	0.00%	100.00%
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement				\$ 657,000.00	0.00%	100.00%
MP-WW-Pipe-05	Agana Heights Pipe Replacement				\$ -	N/A	N/A
MP-WW-Pipe-06	Northern District Route 1 Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-10	North Dededo Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-11	Route 16 Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-12	Barrigada Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-13	Mangilao Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-14	Dededo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-16	Yigo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-17	Mamajanao Capacity Replacement				\$ 814,000.00	0.00%	100.00%
MP-WW-Pipe-18	Agat-Santa Rita Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-19	Agat-Santa Rita Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-20	Agat-Santa Rita Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-21	Baza Gardens Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-22	Baza Gardens Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-23	Baza Gardens Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-24	Umatac-Merizo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-25	Piping Near Bayside Lift Station				\$ -	N/A	N/A
MP-WW-Pipe-26	Finlie Drive Rehabilitation - Agat				\$ 813,000.00	0.00%	100.00%
MP-WW-Pipe-27	Septic/Cesspool System Reduction Program				\$ 350,000.00	0.00%	100.00%
MP-WW-MH-01	Manhole Rehabilitation Program				\$ 350,000.00	0.00%	100.00%
MP-WW-FM-01	Force Main Rehabilitation/Replacement Program				\$ 100,000.00	0.00%	100.00%
MP-WW-FM-02	Replace Yigo Lift Station Force Main				\$ 200,000.00	0.00%	100.00%
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement				\$ 2,124,000.00	0.00%	100.00%
MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement				\$ 6,600,000.00	0.00%	100.00%
MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program				\$ 8,320,000.00	0.00%	100.00%
MP-WW-Pump-02	Tumon Basin - Fujita Lift Station Analysis				\$ 9,600,000.00	0.00%	100.00%
MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)				\$ 1,301,000.00	0.00%	100.00%
MP-WW-WWTP-01	Hagåtña WWTP Primary Treatment Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade				\$ -	N/A	N/A
MP-WW-WWTP-03	Inarajan WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-04	Pago Socio WWTP Pump Station Conversion				\$ -	N/A	N/A
MP-WW-WWTP-05	Umatac-Merizo WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-06	Agat-Santa Rita WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-07	Baza Gardens Cross Island Pipeline - Preliminary Treatment Equipment Repair and Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-08	Northern District WWTP Completion				\$ 7,500,000.00	0.00%	100.00%
MP-WW-WWTP-09	Ocean Outfall Inspection Program				\$ 100,000.00	0.00%	100.00%
MP-WW-Misc-01A	Update Wastewater Collection System Model (Major Update)				\$ -	N/A	N/A
MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-02	I/I and SSES Assessments				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-03	Miscellaneous Wastewater Improvements				\$ 500,000.00	0.00%	100.00%
MP-WW-Misc-04	Fats, Oils, and Grease Study				\$ 50,000.00	0.00%	100.00%
DoD-01	NDWWTP Secondary Treatment Capacity 12MGD				\$ -	N/A	N/A
DoD-02	Northern Systems Wastewater System				\$ -	N/A	N/A
		\$ 51,563,374.19			\$ 44,989,000.00		

Electrical Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
EE 05-02	SCADA Pilot Project	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-01	Wastewater Pumping Station Electrical Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-02	Electrical Upgrade - Water Wells	\$ -	N/A	N/A	\$ -	0.00%	0.00%
EE 09-03	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-04	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ 150,000.00	0.00%	100.00%
EE 09-05	Electrical Upgrade - Other Water	\$ -	N/A	N/A	\$ 100,000.00	0.00%	100.00%
EE 09-06	SCADA Improvements - Phase 1	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-07	SCADA Improvements - Phase 2	\$ -	N/A	N/A	\$ 45,000.00	0.00%	100.00%
EE 09-08	SCADA Improvements - Phase 3	\$ 1,077,497.00	74.43%	25.57%	\$ 25,000.00	0.00%	100.00%
EE 09-09	SCADA Improvements - Phase 4	\$ 4,378,118.00	81.61%	18.39%	\$ -	N/A	N/A
MP-Gen-EE-01	SCADA Implementation Phase A2 – Initial Project Completion				\$ 4,250,000.00	0.00%	100.00%
MP-Gen-EE-02	SCADA Implementation Phase B – Additional Sites				\$ -	N/A	N/A
MP-Gen-EE-03	SCADA Implementation Phase C – Additional Instruments				\$ -	N/A	N/A
MP-Gen-EE-04	SCADA System Improvement Program				\$ -	N/A	N/A
		\$ 5,455,615.00			\$ 4,570,000.00		

Miscellaneous Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
MC 05-01	Laboratory Modernization	\$ 1,127,000.00	100.00%	0.00%	\$ -	N/A	N/A
MC 05-02	Land Survey	\$ 1,260,524.00	99.35%	0.65%	\$ -	N/A	N/A
MC 09-01	General Plant Improvements	\$ 1,543,760.00	100.00%	0.00%	\$ -	N/A	N/A
MC 15-01	Information Technology Integration Improvements	\$ 500,000.00	71.90%	28.10%	\$ -	N/A	N/A
MP-Gen-Misc-01	GWA Systems Planning				\$ 550,000.00	0.00%	100.00%
MP-Gen-Misc-02A	WRMP Update (Comprehensive Update)				\$ -	N/A	N/A
MP-Gen-Misc-02B	WRMP Update (Interim Update)				\$ 200,000.00	0.00%	100.00%
MP-Gen-Misc-03	Surveying and Property Delineation				\$ 250,000.00	0.00%	100.00%
MP-Gen-Misc-04	Information Technology Improvements				\$ 1,650,000.00	40.98%	18.48%
MP-Gen-Misc-05	GWA Infrastructure Improvements				\$ 2,500,000.00	0.00%	100.00%
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility				\$ 500,000.00	0.00%	100.00%
MP-Gen-Misc-07	Mobile Equipment Replacement Program				\$ 800,000.00	0.00%	100.00%
MP-Gen-Misc-08	General Plant Improvements				\$ 1,000,000.00	0.00%	100.00%
MP-Gen-Misc-09	Security and Resilience Program				\$ 200,000.00	0.00%	100.00%
		\$ 4,431,284.00			\$ 7,650,000.00		

	2016 Bond Allotment	2020 Bond Allotment
CIP Water	\$ 81,331,136	\$ 66,291,000
CIP Wastewater	\$ 51,563,374	\$ 44,989,000
CIP Electrical	\$ 5,455,615	\$ 4,570,000
CIP Miscellaneous	\$ 4,431,284	\$ 7,650,000
	\$ 142,781,409	\$ 123,500,000

Bond Fund	Construction Fund Amount (\$M)	Estimated # of months fund available for use	Total Funds encumbered to date (\$M)***	% of fund used	Rate of Spending: (\$M) per year
2005	\$82.930	82*	\$82.930	100.00%	12.14
2010	\$87.638	119**	\$84.385	96.29%	8.51
2013	\$139.442	81**	\$135.232	96.98%	20.03
2016	\$142.781	51**	\$129.039	90.38%	30.36
2020	\$123.590	6**	\$0.676	0.55%	1.35

* End date November 2013 via CCU Resolution 06-FY2014

** Includes month of December 2020

*** Includes Expenses Only

B. Projects Procurement

Percentage Key:

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

BOX KEY FOR PROCUREMENT:

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

<u>BID PACKAGE</u> PW 09-02	New Well Construction (AG-10-Y-8 & AG-12)	
<50% Complete	Activities/Notes: 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.	

<u>RFP</u> PW 09-02	New Well Construction (Construction Management)	
<50% Complete	Activities/Notes: 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.	

RFP USEPA	Design of Dungca Beach Sewer Relocation	
90% Complete	Activities/Notes: Negotiating fee proposal with the selected A-E firm.	
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.	

RFP USEPA	Design of Hagatna Main Sewage Pump Station Redundant Force Main	
<90% Complete	Activities/Notes: Negotiating fee proposal with selected A-E firm.	
Project Description:	The work to be performed under this project procurement shall consist of identifying redundant force main options and to investigate the current condition of the existing force main. If repair/relocation is needed, then identify options and provide the design for the selected options, including pump station upgrades, if necessary.	

RFP USEPA	Design of Fujita Sewage Pump Station Redundant Force Main	
<90% Complete	Activities/Notes: Negotiating fee proposal with the selected firm.	
Project Description:	The work to be performed under this project procurement shall consist of identifying redundant force main options and provide the design for the selected option. After the redundant force main is placed in operation, investigate the condition of the original 14-inch force main to determine if repair, relocation, or replacement is needed in order to ensure force main redundancy. Identify options and provide the design for the selected option, including potential use of CIPP and if necessary, pump station upgrades.	

RFP USEPA	Design of Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	
<90% Complete	Activities/Notes: Negotiated fee proposal with consultant. Processing A-E agreement.	
Project Description:	The work to be performed under this project procurement shall consist of assessment of the structural integrity of the causeway for continued operations, including: vehicular traffic (to include heavy vehicles such as pumping trucks and construction equipment); pedestrian traffic; as a conveyance for utilities to the WWTP and potentially, a conveyance for a new force main; evaluation of culvert hydraulics, and inspection of vertical members, including underwater inspections. Also, to assess the structural integrity of WWTP building structures including concrete and metal structures/components.	

<u>BID PACKAGE</u> USEPA	Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement – Phase II	
98% Complete	Activities/Notes: Preparing construction contract documents.	
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.	

<u>BID PACKAGE</u> USEPA-SRF	Groundwater Wells A-02, A-07, A-12, D-05 and F-03 Rehabilitation (Re-Bid)	
70% Complete	Activities/Notes: Project was advertised for construction on 08/04/2020. The bid proposal deadline has been extended and is due on 10/15/2020 per Addendum no.2. Designer submitted revisions to the plans and specification and will be included in an Addendum no.3 after GWA reviews. As of 10/15/2020 - No bids were submitted. GWA is conducting feedback with registered bidders to determine cause for no bid submission. Pending responses for no bid.	
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.	

<u>BID PACKAGE</u> OEA GRANT	Northern Guam Lens Aquifer (NGLA) Monitoring System Expansion Project for the Guam Water and Wastewater Infrastructure Improvements Program	
95% Complete	Activities/Notes: Bid opening conducted on 09/04/2020. Bid evaluations completed Received CCU approval last September 2020. Award pending grant fund transfer.	
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.	

<u>BID PACKAGE</u> GWA BOND	Casimiru Waterline Replacement	
90% Complete	Activities/Notes:	

	Notice of Intent to Award issued on 12/21/2020. Contractor to submit Performance/Payment Bonds and Insurance documents.	
Project Description:	Work to be performed under this project consist of replacement of existing 6-inch asbestos cement pipe with new 6-inch PVC pipes and appurtenances; reconnection of existing service connections and tapping to the main line, installation of fire hydrants, asphalt road restoration, and testing, complete in place and ready for use.	

<u>BID PACKAGE</u> GWA BOND	Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation	
70% Complete	Activities/Notes: Pre-Bid meeting and site visit conducted on 01/05/2021. Bid opening scheduled for 01/26/2021.	
Project Description:	Work to be performed under this project consist of demolition of existing building features and equipment, including the existing power pole and power meter, plumbing fixtures and piping, water service piping, electrical system, ventilation system, building fascia and monorail beam and construction of rehabilitation and flood mitigation features including structural wall repairs, flood barrier gates, raised louver sills, cantilever monorail beam, elevated platforms, ventilation system, site work, site water piping, utility tie-in connections, protective coatings, electrical system, instrumentation and controls, testing, startup, and appurtenant work.	

<u>BID PACKAGE</u> GWA BOND	Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement	
60% Complete	Activities/Notes: Preparing bid documents.	
Project Description:	Work to be performed under this project consist of replacing an existing 6-inch asbestos cement pipe (ACP) water line with a new 8-inch polyvinyl chloride (PVC) water line along Tai Road; replacing an existing 2-inch water line with a new 6-inch water line along S-13; reconnecting existing branch water lines, service connections and other water appurtenance connections from an existing 6-inch ACP water line to an existing 12-inch PVC water line along Canada-Toto Loop; and replacing an existing 6-inch ACP water line with a new 6-inch PVC water line along Blas Street.	

BOX KEY FOR PROJECT:

(Type of Project) (Relevant CIP NO.)	(Project Title) (Contractor or consultant)	Start Date: (month and year)
(Percentage complete for project)	Activities/Notes: (brief description of activity)	Completion Date: (month and year)
(Court Order Paragraph No.)	(Project type)	
Project Description	Project Description Narrative	

C. CIP Water Section

INSPECTION PW 05-02	Inspection & Maintenance Repairs to GWA Island-Wide Steel Water Tank Reservoirs Phase 2 (DCA)	Start Date: April 2010
75% Complete	Activities/Notes: Remaining work is API inspection, API report, structural inspection, tank bypass planning, and partial construction for the repair work. GWA processing work order for full time CM services under ID/IQ contract with DCA. Ongoing CM inspection services for the Yigo no. 3 and Agat-Umatat steel tank repair. Assisting with Windward Hills tank and Santa Ana bypass. Continuing review of submittal, RFIs, and project payments. Conducting meetings.	Completion Date: 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.	

DESIGN PW 05-12	Brigade II BPS Upgrade (EM Chen)	Start Date: April 2012
100% Complete (Basis of Design) 99% Complete (Design)	Activities/Notes: Design plans and specs continue to be reviewed and revised.	Completion Date: TBD
N/A	Engineering design services	

Project Description:	The design project is intended to assess system water supply feed from the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and resize the pumps to me system head requirements.
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DESIGN PW 09-11	Northern and Southern Guam Reservoir Design (TG Engineers)	Start Date: May 2015
90% Complete	Activities/Notes: <u>Ugum Reservoir</u> Design is at 90%. Designer is working towards 100%. A change order may be needed for new instrumentation building. Instrumentation building was requested by Ron Topasna. New building to house chlorine analyzers and TOCs equipment. Current location at bps is too small to properly house the equipment. <u>Inarajan and Agfayan Booster Pump Station</u> Biological Assessment and Archaeological report are pending. GFD has responded to GWA's letter regarding fire flow. GFD accepts GWA's proposal; however, is requesting in writing that GWA has a plan to bring fire flow up to 1,000 gpm when more houses are built. Designer to draft a response letter for GWA review. <u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update.	Completion Date: Completion will be in line with construction completion.
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.	

DESIGN PW 12-04	Central Guam Reservoirs Design (GHD Inc.)	Start Date: May 2015
92% Complete	<p>Activities/Notes:</p> <p><u>Tamuning No. 2 Reservoir and Tamuning Booster Pump Station</u> 90% design submitted. Plans is under review by GWA.</p> <p>Per Bobbie, property acquisition letter for Lot 1, Block 5, Tract 1427 has been signed by GM. Property purchase is underway.</p> <p>Archaeological and Biological Assessment is pending.</p> <p><u>Manenggon Reservoir and Access Booster Pump Station</u> 100% design submitted. Plans is under review by GWA.</p> <p>Biological Assessment report completed. Archaeological report completed.</p> <p><u>Piti Reservoir</u> DCA and GHD are working to put the bid package together. DCA has already completed the major steel tank repair plan and specifications. GHD is working on site utility plan and specifications.</p> <p>GWA has not submitted the Right of Way application to National Parks Services yet. GWA has received the final Dept. of Agriculture consultation response letter. Biological Assessment report has been completed. Archaeological report needs to be completed before ROW application can be submitted.</p> <p>Waiting on National Park Service to allow Archaeologist to go onsite to perform survey. GWA did a follow up on this request. National Park Service sent the request to their national office for review and approval.</p> <p><u>A23-A25 Deepwell (PFAS Treatment)</u> 90% submittal under review by GWA.</p> <p>A23 and A25 MOU sent to DPW for signature. No response from DPW.</p> <p><u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon no. 1, Hyundai, Chaot no. 2 Reservoir Construction for update.</p>	<p>Completion Date: Completion will be in line with construction completion.</p>

CO 29 (b)(4)	Engineering design services	
Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti & Tumon #1.	

DESIGN PW 09-03	ID/IQ for Professional Civil/Structural Services Task 1 – Tai Road/S-13 and Toto-Canada Road/Blas Street Waterline Replacement	Start Date: January 20, 2020
60% Complete	Activities/Notes: Design consultant submitted the 60% design work for GWA review and comment on 05/01/2020.	Completion Date: 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.	

CONSTRUCTION PW 09-03	Line Replacement Phase IV (Giant Construction)	Start Date: February 14, 2016
98% Complete	Activities/Notes: GEPA to conduct water testing. Contractor to tie-in the new waterline to existing waterline as soon as Water Operation permits.	Completion Date: October 28, 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.	

DESIGN PW 05-15	Asan Spring Rehabilitation Design (HDR)	Start Date: August 24, 2016
82% Complete	Activities/Notes: Designer submitted a letter to NPS to coordinate the archaeological survey requirements with SHPO; response pending. Designer submitted the biological survey	Completion Date: June 2022

	approach to NPS, permit is pending.	
	Engineering design services	
Project Description:	<ul style="list-style-type: none"> - 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. - Review and validate the current property boundary information to confirm the available space for the project development. - Perform an environmental impact study and prepare all required permits as needed. - Perform an archeological and historical resources study to identify potential impact to the project, prepare all required permits as needed. - 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. - 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. - Identify the existing and projected service area, period of design. - Identify and recommend conceptual water treatment system. - 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. 	

CONSTRUCTION PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction (Pernix)	Start Date: December 1, 2016
99% Complete	Activities/Notes: GWA and CM is working with Pernix to close out project. Final walkthrough will be scheduled this month.	Completion Date: October 31, 2018
	Construction Services	
Project Description:	This project will involve construction of two (2) 2MG concrete tanks and Booster Pump Station at the Yigo site and a one (1) 2MG concrete tank at the Astumbo site. Work will involve new pipe line, valves, electrical controls, pumps and motors, site drainage, paving, generator for the BPS, SCADA, etc.	

CONSTRUCTION MANAGEMENT PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction Management (GHD)	Start Date: December 2016
99% complete	Activities/Notes: Working to complete project close out requirements but due to additional time required by contractor, CM services follow suit.	Completion Date: 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.	

CONSTRUCTION MANAGEMENT PW 12-04, PW 12-06 AND PW 09-11	Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction Management (TG Engineers, PC)	Start Date: December 2017
95% complete	Activities/Notes: Change Order no. 1 sent to GWA management for approval. Change Order no. 2 will be forthcoming to extend CM services to 12/2020. As of 01/01/2021, GWA water CIP engineering will take over CM duties for remaining work. CM will be onboard for limited services – Eadoc project software management and conducting meetings/meeting minutes.	Completion Date: March 2021
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

CONSTRUCTION PW 12-04, PW 12-06 AND PW 09-11	Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction (AIC)	Start Date: February 8, 2018
82% Complete	Activities/Notes: <u>Tumon No. 1</u> Tumon no. 1 online – 08/20/2020. Working on St. John's PRV. Change Order will be issued to address piping changes due to actual site conditions. Pale San Vitores HEP pending DPW approval. DPW will not issue permit until St. John's PRV work is completed. <u>Barrigada Heights No. 1 (Hyundai)</u> Barrigada Heights no. 1 online – 10/09/2020. Contractor working on booster pump station and offsite pipe work.	Completion Date: TBD (Completion date has passed. Pending time extension for permit delays.)

	<p>Contractor working on Sabana water line and BPS.</p> <p>Chaot No. 2 Chaot No. 2 tank online – 09/02/2020.</p> <p>Contractor working on A-series well, Dero Rd connection to Leo Palace line, chlorination system improvements and miscellaneous improvements.</p>	
	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.	

CONSTRUCTION MANAGEMENT PW 09-11	Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)	Start Date: April 2018
0% Complete	Activities/Notes: Change Order no. 1 issued. Santa Rita NTP issued to CM on 12/14/2020. Santa Rosa NTP issued to CM on 01/11/2021.	Completion Date: Santa Rosa: 455 days from NTP Santa Rita: 485 days from NTP Sinifa: 425 days from NTP.
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

CONSTRUCTION PW 09-11	Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction (AIC)	Start Date: October 2019
3% Complete	Activities/Notes: Santa Rosa: Ongoing excavation for tank foundation and retaining wall. Santa Rita: Ongoing tank demolition. Sinifa: Pending permit. Permit is with SHPO for review.	Completion Date: Santa Rosa Final Completion – February 13, 2022 Santa Rita Final Completion – March 15, 2022 Sinifa Final Completion – January 14, 2022

	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

CONSTRUCTION	Pressure Zone Realignment and Tank Repair-Replacement – Phase I (Sumitomo)	Start Date: December 17, 2019 (Notification of Award)
0% Complete	Activities/Notes: NTP issued 05/06/2020. Project sign has been installed at Kaiser site. Building permit is currently pending. DPW issued Building Permit on 10/06/2020 and retracted it shortly after. Plan revisions are back under review by Highway Encroachment. Permit continues to be pending. CCU Resolution No. 40 FY-2020 was passed 09/22/2020 awarding 2 additive bid items, Terao and Maimai PRVs, to SMCC.	Completion Date: May 6, 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.	

DESIGN PW 05-12	Pressure Zone Realignment and Tank Repair-Replacement (GHD)	Start Date: August 2018
Design will be done in Phases. Phase I - 100% (Design) Phase II - 80% (Design)	Activities/Notes: Designer submitted Phase II 60% plans on 08/04/2020 and reviewed by Water CIP Engineering team on 08/11/2020. Engineering, Operations and designers performed several site visits and investigations for Phase II.	Completion Date:
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.	

DESIGN, CONSTRUCTION, CONSTRUCTION MANAGEMENT PW 09-11	Tank Repair and Bypass (DCA, AIC, GWA)	Start Date: May 1, 2020
14% Complete	Activities/Notes: Construction contract effective 04/21/2020. NTP issued 05/01/2020 with modified language for work starting onsite. Agat-Umatic and Yigo no. 3 repairs ongoing. Astumbo no. 1 delayed due to presence of lead paint. Negotiating change order to remove lead paint. Astumbo no. 1 may be held. Due to material shortage, metal plate may be used to repair Windward Hills tank, which is more crucial than Astumbo. Bypass work at multiple sites ongoing.	Completion Date: TBD (Dependent on repairs required after inspection)
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.	

DESIGN PW 09-02	New Well Site Development - Y-08, AG-10, AG-12 (GHD)	Start Date: September 2018 (Extension)
99% Complete	Activities/Notes: 100% plans and specifications were submitted on 06/04/2020. Change Order no. 8 to complete final plan set and engineer estimate is under negotiation with GHD.	Completion Date: 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.	

CONSTRUCTION PW 14-01	Fire Hydrant Replacement Phase I (Mega United Corporation, Ltd.)	Start Date: October 19, 2019
0% Complete	Activities/Notes: Still pending DPW issuance of building permit process.	Completion Date: 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.	
CONSTRUCTION PW 05-07	Groundwater Well Production Meter Replacement Project (Giant Construction)	Start Date: April 29, 2020
7% Complete	Activities/Notes: First container of materials with spools and fittings arrived 12/14/20. The Contractor submitted revised shop drawings on 12/22/20 to reflect the changes in the length of the last two spools of the discharge piping. One spool was 2" shorter and the other spool was 2" longer than specified in the order. The overall length of discharge piping per originally approved shop drawings remained the same. The revised shop drawings were approved on 12/29/20. Containers of valves and meters are expected to arrive middle of January 2021. Contractor is claiming delay in the shipment/arrival of materials but has not yet submitted supporting documentations.	Completion Date: 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

CONSTRUCTION WW 09-06	Bayside SPS Improvements Design (EMPSCO)	Start Date:
6% Construction Services	Activities/Notes: <ul style="list-style-type: none"> - Trenching of underground power cable and secondary handhole with an Archeologist to monitor the area if artifacts present. - Clearing and grading west side of pump station. - Continue to review submittal, shop drawings and RFI's. - Upcoming Change Request, dewatering of existing dry well and provision of autodialer and generator enclosure, additional silt fence along easement heading to pump station. 	Completion Date: November 28, 2021
CO #3	Engineering design services	

Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges and install underground power cable due to GPA's concern that existing power pole, located on the bank is at risk of being lost due to storm surges.
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CONSTRUCTION WW 11-04	Umatac-Merizo WWTP Design Build Improvements Project (CoreTech)	Start Date: June 2017
100% Design 100% Construction	Activities/Notes: BC is compiling the close-out documentation for submission to GWA. All files compiled but pending final report from OSR (SSFM); expected next week.	Completion Date: 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.	

CONSTRUCTION MANAGEMENT WW 11-04	Umatac-Merizo WWTP Design Build Improvements Project (SSFM Inc)	Start Date: September 7, 2017
100% Complete	Activities/Notes: CM checked As-Built drawings and made comments. Final payment submitted to GWA. Project Completed.	Completion Date: 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

<u>DESIGN</u> EE 09-08	SCADA System for Water and Wastewater Facilities Phase A-1 (AECOM)	Start Date: June 11, 2015
100% Complete (Design) 84% Services during construction	Activities/Notes: Negotiate changes to the remaining tasks to better align with current state of the system.	Completion Date: November 2017 - Design December 11, 2019 - (Bid and Construction Support)
N/A	Engineering design services	
Project Description:	The A/E firm will design an integrated, robust and secure Supervisory Control and Data Acquisition (SCADA) system for GWA's water and wastewater systems, and to provide support services during bid and construction. The 22 sites will consist of a combination of water facilities such as production wells, reservoirs, booster pump station and wastewater sites include sewer treatment plants and sewer pump stations. Executed by approved change orders, number of sites in original design scope has changed from 22 sites to 19 sites and design of High Water Alarm for 20 critical sewer pump stations has been added. Scope also includes bid and construction support of the design-build project of GPWA SCADA EMS project.	

<u>CONSTRUCTION</u> EE 09-08, EE 09-09	SCADA Phase A1 Construction (G4S Security)	Start Date: July 13, 2018
100% Construction	Activities/Notes: Final Payment was issued on 12/07/2020. This contract is now closed; defect detection period expires on 06/30/2021.	Completion Date: 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.	

<u>CONSTRUCTION MANAGEMENT</u> EE 09-08, EE 09-09	SCADA Phase A1 Construction Management (GHD)	Start Date: July 13, 2018
96% Complete (due to increased contract amount and unbilled balance)	Activities/Notes: CM finalizing project close out documents and preparing final billing.	Completion Date: August 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.	

F. GIS Section

MAPPING MC 05-02	Island Wide Survey- (Duenas, Camacho & Ass.)	Start Date: December 2007
99% complete	Activities/Notes: Still on hold for the Tumon no.1 Tank (aka Airport Tank).	Completion Date: 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.	

MAPPING MC 05-02	Island Wide Survey PH II - (Duenas, Camacho & Ass.)	Start Date: August 30, 2017
80% complete	Activities/Notes: First set of land registration maps (5): DCA performing field survey. First 2 land registration maps in GWA review process.	Completion Date: 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 SectionPERMITS
MONTHLY REPORT 2020

Description	2020												TOTAL
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Building Permit	23	22	23	1	1	8	31	15	5	17	14	24	160
Occupancy Permit	6	31	25	1	1	21	27	10	2	26	26	15	176
New Installation	4	17	15	0	0	9	10	12	21	10	10	11	108
Sewer Application	0	1	4	0	0	1	4	4	4	13	13	0	44
Sewer Inspection	0	0	1	0	0	3	1	2	2	0	0	1	9
Private Utility Acceptance	0	0	0	0	0	0	0	0	0	0	1	1	1
Relocation of Water Meter	0	2	0	0	0	0	1	4	0	0	0	0	7
Tapping-Water	1	5	3	0	0	0	2	2	11	0	0	3	24
Tapping-Sewer	1	5	3	0	0	0	0	0	2	0	0	0	11
Clearance-Water	14	10	20	12	12	18	20	46	12	14	14	38	192
Clearance-Sewer	14	10	20	12	12	18	0	0	0	0	0	1	86
Highway Encroachment	36	5	20	0	0	31	49	4	57	48	48	4	298
Verification of Utilities	6	6	1	1	1	1	12	12	7	9	8	8	64
Fire Flow Test	0	3	0	0	0	0	1	0	0	1	1	0	6
Schedule Water Outage	0	0	0	0	0	0	0	2	0	0	0	0	2

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

AVERAGE PROCESSING TIME FOR COMPLETION (DAYS)
FOR THE CALENDAR MONTH OF **DECEMBER 2020**

Description	2020											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit							16	28	17	17	36	32 ^{a1}
Occupancy Permit							1	0	0	0	0	0
New Installation							114	64	200	14	14	154 ^{a2}
Sewer Application							2	0	0	0	0	0
Sewer Inspection							35	79	1	0	0	26
Private Utility Acceptance							0	0	0	0	42	7
Relocation of Water Meter							42	181	0	0	0	0
Tapping-Water							250	260	318	0	0	9
Tapping-Sewer							0	0	159	0	0	0
Clearance-Water							46	208	98	60	60	64 ^{a3}
Clearance-Sewer							0	0	0	0	0	1
Highway Encroachment							0	1	4	0	0	0
Verification of Utilities							9	60	44	21	23	20 ^{a4}
Fire Flow Test							22	0	0	2	1	0
Schedule Water Outage							0	118	0	0	0	0

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

- a1** Additional information/revised plans were needed, including COVID-19 5 day holding period before plans could be reviewed.
- a2** **Several of the owner's contractors were not ready to do installation or plumbing work until months later.**
- a3** Majority of clearance requests were submitted and delayed until the customers knew when their construction work would start.
- a4** Some VOU replies were delayed when other staff assignments needed urgent responses.


H. USEPA SRF Project Status Report

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

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

Percentage Key:

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

- Red text anywhere indicates a change from the last report.
- Cells highlighted in green  indicate contract amount certified and 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 - January 19, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/05/2021
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. Also, Archaeological monitoring through HDR contract. HDR CO for archaeological monitoring and additional construction services services approved by GWA. This CO will include design services for Phase II (Adelup to Hagatna).
			Construction	2	11/9/2018	3/8/2020	\$6,275,783.00	InfraTech	InfraTech (via Allied Trenchless) completed Cleaning/CCTV for areas they were able to access. CON#5 submitted to GWA for approval. Covers some additional work plus adds time. Continuation of point repairs at Ramona St. Pending SHPO approval of preservation plan. Plan approved by SHPO. Work at the point repairs with the artifacts completed. One new point repair at Ramona St. Observed on new CCTV. To repair this week. Work on sewer crossing Rte. 1 into the Asan Pump Station completed this past weekend. Contractor claiming for re-ordering CIPP materials (\$166K). Preliminary recommendation by CM and PM is that the claim is unwarranted.
			Construction (Phase II)				\$ 4,000,000.00		Asan-Adelup-Hagatna Bid advertised on 06/16/2020. Bid submission date moved to 09/03/2020. Four Bids received. PPBC is the apparent low bidder. Low bidder responsibility being evaluated. Contractor was asked to provide information substantiating the liner company and liner worker experience to determine qualifications meeting the requirements specified. Adelup to Hagatna Low bidder PPBC rejected for non-responsibility determination. PPBC so advised. Low bidder – CoreTech. GWA to award base bid plus all additive bid items soon. CoreTech submitted bonds.
			CM	2	8/3/2017	3/8/2020	\$ 870,610.41	DCA	Working with Contractor on schedule, submittals, responding to RFIs, and assisting in the negotiations of PCO costs. Fee proposal for CM services for Phase 2 submitted and accepted by GWA. Change Order to add CM for Phase 2 prepared for GWA. CO pending GWA execution.
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. Project is completed.
			Construction	3	8/31/2017	10/1/2018 (Contractor in LD period)	\$4,688,042.38	ProPacific	FOIA request. Currently gathering correspondence records and contract documents. PPBC needs to submit final CCTV and paperwork for review and acceptance of pipe between SMH 2 through 10. All work now completed. PPBC submitted a request for CO to resolve excess excavated materials, time extension, LD time, and other costs to BC. CO sent to GWA but prior to executing, the matter of LD assessment must be resolved. BC is working on this now. The final payment request is to accompany the change order to reconcile contract obligation amount. BC requesting final invoice from PPBC together with final As-Built. BC working with GWA on assessment of LDs and Special Damages. Working on final payment quantities. Change Order #5 revised to include LDs and sent to PBC for signature. Pending signature by PPBC. GWA preparing a 5427 determination. PPBC signed CO#5. Final Payment Request from contractor not submitted yet.
			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. As-built drawings received from TG and forwarded to GWA.

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/05/2021
7	Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5)	Brown & Caldwell	Design	6	5/27/2016	2/28/2018 (for design only)	\$ 1,758,247.00	AECOM	Bid and Construction Support Services on hold until construction IFB is issued.
			Construction	4					Designer expected to submit revised bid package to GWA on 05/25/20. Bid package received from designer. Re-Bid Package, IFB was sent out on 08/04/2020. A Pre-Bid Conference was conducted virtually by GoToMeeting and scheduled on 08/18/2020 at 10:00 am. Any RFIs must be submitted on or before 08/25/2020. All Bids will be accepted 3pm on 09/24/2020. However, no firm submitted a bid proposal. GWA Project Engineer to reassess and make additional changes to the bid package.
			CM	4					Negotiations with SSFM have terminated on 08/05/2020. GWA to start negotiations with 2nd qualified consultant, DCA on 08/12/2020. DCA sent their Final Fee Proposal on 09/21/2020 in the amount of \$640,248.00. GWA is starting the CM contract agreement process.
8	Tumon Sewer Hot Spots	Brown & Caldwell	Design	7	6/24/2016	10/30/2017 for design only	\$ 572,089.00	TG Engineers	TGE to provide engineering services during bid process.
			Construction	See Project 15	12/1/2018	12/31/2019	See Project 15	See Project 15	See Project 15
			CM	See Project 15	5/31/2019	5/31/2020	See Project 15	Am Orient	Procurement 100%: Contract fully executed. CM services to be on hold until bidding restarted.
12	RT4 Relief Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	9	3/1/2016	4/22/2017	\$ 794,000.00	AECOM	AECOM concluded that the intertie pipe that was installed with deviations (not first approved) from the design plans does not have a significant effect on the performance of either sewer line. GWA asked for concurrence of acceptance. GWA accepted as constructed.
			Construction	5	9/3/2018	6/30/2020	\$ 3,998,688.00	Insituform	CCU approved Change Order #5 to increase contingency authorization. Submitted Change Order #6 submitted to GWA for approval. Decision by GWA regarding LDs needed to process final payment. Pending response from Barbara Cruz. GWA added time to contract. Final LDs based on 2 days.
				6	9/25/2018	6/30/2020	\$ 3,407,848.00	ProPacific	PPBC completed all work under this contract. Final inspection on 10/19. Substantial Completion was on 10/09/2020. Final completion was on 10/13/2020. Pending Final Payment request.
			CM	6	11/15/2018	12/31/2019	\$ 702,678.13	EMPSCO	Consultant assembling close-out documentation.

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/08/2021
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	<p><u>Santa Rita</u></p> <ul style="list-style-type: none"> • Permits/Easement <ul style="list-style-type: none"> - SHPO: Revised AMDP to be submitted to SHPO this week. - CatEx to be completed after approval. - Easement: Right of Entry signed by property owner. : GWA working with legislature to complete easement. BC providing assistance as requested. • Construction <ul style="list-style-type: none"> - Fusible PVC arrived on-island. PPBC requesting payment for undistributed materials. • Design <ul style="list-style-type: none"> - Conditionally approved. - PPBC started DPW building permit. <p><u>Baza Gardens/Talofofo</u></p> <ul style="list-style-type: none"> • Working on EMPSCO's final payment and issuing a final completion. • EMPSCO beginning closeout.
			CM	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	EMPSCO submitted pay app for project closeout. BC will review closeout documents and invoice for payment.
15	Tamuning Sewer Hot Spots	G. Gattoc	Design	10	9/9/2016	10/31/2017 (for design only)	\$ 663,629.00	TG Engineers	TGE to provide engineering support services during bid process and construction.
			Construction	9	1/30/2020	12/31/2020	\$ 1,093,955.87	Ian Corporation	<ul style="list-style-type: none"> • Building permit still pending with DPW; Contractor has been issued Highway Encroachment Permit. • Contractor prepared draft extension request letter and revised Construction Schedule for CM review. • Contractor has acquired clearance with DPHSS for construction operations.
			CM	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).

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Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/08/2021
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	<ul style="list-style-type: none"> Cost Estimates are being evaluated for the construction IFB. Reviewing sewer connection laws and regulations for establishing updated expected flows. Invoice received 06/08/2020. Need to finalize cost estimate prior to paying for final documents.
			Construction	10	12/27/2018	5/29/2020	\$ 2,411,418.00	Giant Const.	<ul style="list-style-type: none"> Latest letter from GWA extends project completion date to 08/31/2020. Pending response from Giant. Giant working on punch list items. Major items are autodialer alert system and generator connection cords. Started stations 12/24/2020. Giant monitoring operations until they are ready to transfer it to GWA. Continually updating list of additional project delays since GWA's 08/31/2020 letter.
			CM		12/1/2018	12/31/2019			No new invoices received.
									GWA Engineering will manage construction management tasks.
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 J. Mendiola/G. Yeoh	Design	12	8/3/2016	3/15/2017	\$ 523,268.00	GHD	Design complete.
			Construction (Phase I)	12	8/3/2016	6/30/2020	\$ 4,532,000.00	Sumitomo	<ul style="list-style-type: none"> Installed meters at Marbo PRV site and Kaiser tank. Electric work with GPA still pending. Change Order no. 1 to award 2 additive bid items is with SMCC for review and signature before being routed to GM.
			CM		6/15/2019	6/30/2020			
23 Project Advertisement	Each IFB or RFP requires advertising	Engineering/Procurement	MISC	1			\$ 25,172.50	PDN/Post	On-going
24 Dungca Beach Sewer Improvements		GWA CIP Engr	Design						<ul style="list-style-type: none"> Finalized additional funding of design fee cost. GWA advised GHD to resubmit the agreed fee proposal with cover letter, upon received of the revised cost GWA will process the contract.
25 Hagatna Sewer Pump Station Force Main		GWA CIP Engr	Design						<ul style="list-style-type: none"> A/E Service Procurement. Initial inspection with Scott Wenger, GHD, conducted on Friday, 10/16/2020. GHD to provide fee proposal 11/17/2020. NEPA Documents are still in progress. SHPO requires an Archaeological Monitoring Plan. GHD working on fee reduction.
26 Fujita Sewer Pump Station Force Main		GWA CIP Engr	Design						<ul style="list-style-type: none"> A/E (AECOM) working on design cost fee proposal. Compiling existing as-builts/design plans/studies/boundary information to establish scope of work and design fees for A/E.
27 Well Rehab A-28, M-14, D-15 & F-7		GWA CIP Engr	Design						Draft scope of work with Chief Engineer for review.
							\$ 65,741,613.14		



Engineering Monthly Report December 2020

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

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

Potable Water

CIP #	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
PW 05-01	Ground Water Disinfection	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-05	*A Series Well Transmission Line	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	\$ -	N/A	N/A	\$ 700,000.00	0.00%	100.00%
PW 05-07	Meter Replacement Program	\$ 1,400,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-08	Barigada Tank Repair/Replacement	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-09	Leak Detection	\$ 100,000.00	0.00%	100.00%	\$ 400,000.00	0.00%	100.00%
PW 05-10	Potable Water System Planning	\$ 876,294.00	100.00%	0.00%	\$ 400,000.00	0.00%	100.00%
PW 05-11	Implement Ground Water Rule	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	\$ 250,000.00	44.01%	55.99%	\$ 350,000.00	0.00%	100.00%
PW 05-14	New Deep Wells at Down Hard	\$ 1,190,000.00	0.00%	100.00%	\$ 500,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	\$ -	N/A	N/A	\$ 550,000.00	0.00%	100.00%
PW 05-16	Master Meters	\$ 2,151,539.00	90.70%	9.30%	\$ -	N/A	N/A
PW 09-01	Ugum Water Treatment Plant Intake	\$ -	N/A	N/A	\$ 600,000.00	0.00%	100.00%
PW 09-02	Water Wells	\$ 2,500,000.00	6.80%	93.20%	\$ 500,000.00	0.00%	100.00%
PW 09-03	Water Distribution System	\$ -	N/A	N/A	\$ 2,250,000.00	0.00%	100.00%
PW 09-04	Pressure Zone Realignment	\$ 1,141,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-06	Central Water Distribution System 2005	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-09	Water Reservoir Internal/External	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	\$ 800,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 58,830,170.00	90.89%	9.11%	\$ 25,900,000.00	0.00%	100.00%
PW 11-01	Distribution System Upgrades	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -	N/A	N/A	\$ 7,500,000.00	0.00%	100.00%
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 550,000.00	90.75%	9.25%	\$ -	N/A	N/A
PW 12-02	Production Plan / Reduce Navy Purchases	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	\$ 1,220,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo#1	\$ 1,822,133.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-06	Tank Replacement Piti & Hyundai	\$ 7,300,000.00	100.00%	0.00%	\$ 6,500,000.00	0.00%	100.00%
PW 12-07	Assessment of Malojoj Elevated & Yigo Elevated	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	\$ 1,200,000.00	99.70%	0.30%	\$ -	N/A	N/A
MP-PW-Pipe-01	Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-03	Harmon Cliffline Piping to Route 1				\$ -	N/A	N/A
MP-PW-Pipe-04	Hyundai Well Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-05	Kaiser Zone Looping				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-07	Mataquac BPS Suction Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-08	Nimitz Lower BPS Piping				\$ -	N/A	N/A
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment				\$ -	N/A	N/A
MP-PW-Pipe-10	Miscellaneous Piping Projects				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-11	Miscellaneous Piping Connections				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-12	Rehabilitation and Replacement Program				\$ 2,000,000.00	0.00%	100.00%
MP-PW-Pipe-13	2-Inch Pipe Replacement Program				\$ 3,330,000.00	0.00%	100.00%
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program				\$ -	N/A	N/A
MP-PW-Pipe-15	PRV Rehab and Replacement				\$ 2,050,000.00	0.00%	100.00%
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program				\$ 250,000.00	0.00%	100.00%
MP-PW-Pipe-17	Cross Island Highway Piping				\$ 100,000.00	0.00%	100.00%
MP-PW-Tank-22	Existing Tank Inspections				\$ 150,000.00	0.00%	100.00%
MP-PW-Tank-23	Recurring Tank Inspections				\$ 400,000.00	0.00%	100.00%
MP-PW-BPS-01	Rehabilitate and Replace BPSs				\$ 409,000.00	0.00%	100.00%
MP-PW-BPS-02	Nimitz Hill Upper BPS				\$ 48,000.00	0.00%	100.00%
MP-PW-BPS-03	Route 15 BPS				\$ -	N/A	N/A
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project				\$ 380,000.00	0.00%	100.00%
MP-PW-SWTP-02	Ugum SWTP Intake Modifications				\$ 1,174,000.00	0.00%	100.00%
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements				\$ 1,150,000.00	0.00%	100.00%
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project				\$ -	N/A	N/A
MP-PW-Well-01	Well Rehabilitation Program				\$ 3,600,000.00	0.00%	100.00%
MP-PW-Well-02	Well Equipment Overhaul Program				\$ -	N/A	N/A
MP-PW-Well-03	Capacity Enhancement – Well Exploration Program				\$ 500,000.00	0.00%	100.00%
MP-PW-Well-04	Capacity Enhancement – Well Development and Construction				\$ -	N/A	N/A
MP-PW-Well-05	Wellhead Protection Program				\$ 300,000.00	0.00%	100.00%
MP-PW-Well-06	Well Repair Program				\$ 1,200,000.00	0.00%	100.00%
MP-PW-Misc-01	South Guam Water Supply Study				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement				\$ 750,000.00	0.00%	100.00%
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance				\$ -	N/A	N/A
MP-PW-Misc-04	OneGuam Program				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-05	Leak Detection Assistance				\$ 150,000.00	0.00%	100.00%
DoD-3	Rehabilitation and New NGLA Monitoring Wells				\$ -	N/A	N/A
		\$ 81,331,136.00			\$ 66,291,000.00		

Wastewater

CIP #	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
WW 05-04	Wastewater System Planning	\$ 312,983.00	100.00%	0.00%	\$ 150,000.00	0.00%	100.00%
WW 05-05	Wastewater Vehicles	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ 1,714,755.00	69.89%	30.11%	\$ 1,050,000.00	0.00%	100.00%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,055,478.00	56.98%	43.02%	\$ 1,400,000.00	0.00%	100.00%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	\$ 25,048,522.50	90.16%	9.84%	\$ -	N/A	N/A
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 252,105.00	100.00%	0.00%	\$ -	N/A	N/A
WW 11-08	Agat-Santa Rita STP Replacement	\$ 2,226,659.06	89.93%	10.07%	\$ -	N/A	N/A
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-07	Umatac Merizo Replacement	\$ 20,952,871.63	99.93%	0.07%	\$ -	N/A	N/A
WW 12-08	Wastewater System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-09	Wastewater Facility Back Up Power	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-10	Wastewater System Asset Inventory	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-01	Wastewater Sewer System Expansion	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-02	Northern District WWTP Secondary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program				\$ 1,970,000.00	0.00%	100.00%
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement				\$ -	N/A	N/A
MP-WW-Pipe-03	Route 1 Pitti Pipe Rehabilitation/Replacement				\$ 940,000.00	0.00%	100.00%
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement				\$ 657,000.00	0.00%	100.00%
MP-WW-Pipe-05	Agana Heights Pipe Replacement				\$ -	N/A	N/A
MP-WW-Pipe-06	Northern District Route 1 Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-10	North Dededo Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-11	Route 16 Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-12	Barrigada Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-13	Mangilao Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-14	Dededo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-16	Yigo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-17	Mamajanao Capacity Replacement				\$ 814,000.00	0.00%	100.00%
MP-WW-Pipe-18	Agat-Santa Rita Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-19	Agat-Santa Rita Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-20	Agat-Santa Rita Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-21	Baza Gardens Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-22	Baza Gardens Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-23	Baza Gardens Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-24	Umatac-Merizo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-25	Piping Near Bayside Lift Station				\$ -	N/A	N/A
MP-WW-Pipe-26	Finlie Drive Rehabilitation - Agat				\$ 813,000.00	0.00%	100.00%
MP-WW-Pipe-27	Septic/Cesspool System Reduction Program				\$ 350,000.00	0.00%	100.00%
MP-WW-MH-01	Manhole Rehabilitation Program				\$ 350,000.00	0.00%	100.00%
MP-WW-FM-01	Force Main Rehabilitation/Replacement Program				\$ 100,000.00	0.00%	100.00%
MP-WW-FM-02	Replace Yigo Lift Station Force Main				\$ 200,000.00	0.00%	100.00%
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement				\$ 2,124,000.00	0.00%	100.00%
MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement				\$ 6,600,000.00	0.00%	100.00%
MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program				\$ 8,320,000.00	0.00%	100.00%
MP-WW-Pump-02	Tumon Basin - Fujita Lift Station Analysis				\$ 9,600,000.00	0.00%	100.00%
MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)				\$ 1,301,000.00	0.00%	100.00%
MP-WW-WWTP-01	Hagåtña WWTP Primary Treatment Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade				\$ -	N/A	N/A
MP-WW-WWTP-03	Inarajan WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-04	Pago Socio WWTP Pump Station Conversion				\$ -	N/A	N/A
MP-WW-WWTP-05	Umatac-Merizo WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-06	Agat-Santa Rita WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-07	Baza Gardens Cross Island Pipeline - Preliminary Treatment Equipment Repair and Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-08	Northern District WWTP Completion				\$ 7,500,000.00	0.00%	100.00%
MP-WW-WWTP-09	Ocean Outfall Inspection Program				\$ 100,000.00	0.00%	100.00%
MP-WW-Misc-01A	Update Wastewater Collection System Model (Major Update)				\$ -	N/A	N/A
MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-02	II and SSES Assessments				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-03	Miscellaneous Wastewater Improvements				\$ 500,000.00	0.00%	100.00%
MP-WW-Misc-04	Fats, Oils, and Grease Study				\$ 50,000.00	0.00%	100.00%
CoD-01	NDWWTP Secondary Treatment Capacity 12MGD				\$ -	N/A	N/A
CoD-02	Northern Systems Wastewater System				\$ -	N/A	N/A
		\$ 51,563,374.19			\$ 44,989,000.00		

Electrical Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
EE 05-02	SCADA Pilot Project	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-01	Wastewater Pumping Station Electrical Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-02	Electrical Upgrade - Water Wells	\$ -	N/A	N/A	\$ -	0.00%	0.00%
EE 09-03	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-04	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ 150,000.00	0.00%	100.00%
EE 09-05	Electrical Upgrade - Other Water	\$ -	N/A	N/A	\$ 100,000.00	0.00%	100.00%
EE 09-06	SCADA Improvements - Phase I	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-07	SCADA Improvements - Phase 2	\$ -	N/A	N/A	\$ 45,000.00	0.00%	100.00%
EE 09-08	SCADA Improvements - Phase 3	\$ 1,077,497.00	74.43%	25.57%	\$ 25,000.00	0.00%	100.00%
EE 09-09	SCADA Improvements - Phase 4	\$ 4,378,118.00	81.61%	18.39%	\$ -	N/A	N/A
MP-Gen-EE-01	SCADA Implementation Phase A2 – Initial Project Completion				\$ 4,250,000.00	0.00%	100.00%
MP-Gen-EE-02	SCADA Implementation Phase B – Additional Sites				\$ -	N/A	N/A
MP-Gen-EE-03	SCADA Implementation Phase C – Additional Instruments				\$ -	N/A	N/A
MP-Gen-EE-04	SCADA System Improvement Program				\$ -	N/A	N/A
		\$ 5,455,615.00			\$ 4,570,000.00		

Miscellaneous Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
MC 05-01	Laboratory Modernization	\$ 1,127,000.00	100.00%	0.00%	\$ -	N/A	N/A
MC 05-02	Land Survey	\$ 1,260,524.00	99.35%	0.65%	\$ -	N/A	N/A
MC 09-01	General Plant Improvements	\$ 1,543,760.00	100.00%	0.00%	\$ -	N/A	N/A
MC 15-01	Information Technology Intergration Improvements	\$ 500,000.00	71.90%	28.10%	\$ -	N/A	N/A
MP-Gen-Misc-01	GWA Systems Planning				\$ 550,000.00	0.00%	100.00%
MP-Gen-Misc-02A	WRMP Update (Comprehensive Update)				\$ -	N/A	N/A
MP-Gen-Misc-02B	WRMP Update (Interim Update)				\$ 200,000.00	0.00%	100.00%
MP-Gen-Misc-03	Surveying and Property Delineation				\$ 250,000.00	0.00%	100.00%
MP-Gen-Misc-04	Information Technology Improvements				\$ 1,650,000.00	40.98%	59.02%
MP-Gen-Misc-05	GWA Infrastructure Improvements				\$ 2,500,000.00	0.00%	100.00%
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility				\$ 500,000.00	0.00%	100.00%
MP-Gen-Misc-07	Mobile Equipment Replacement Program				\$ 800,000.00	0.00%	100.00%
MP-Gen-Misc-08	General Plant Improvements				\$ 1,000,000.00	0.00%	100.00%
MP-Gen-Misc-09	Security and Resilience Program				\$ 200,000.00	0.00%	100.00%
		\$ 4,431,284.00			\$ 7,650,000.00		

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

	2020 Bond Allotment
	\$ 66,291,000
	\$ 44,989,000
	\$ 4,570,000
	\$ 7,650,000
	\$ 123,500,000

Bond Fund	Construction Fund Amount (\$M)	Estimated # of months fund available for use	Total Funds encumbered to date (\$M)***	% of fund used	Rate of Spending: (\$M) per year
2005	\$82.930	82*	\$82.930	100.00%	12.14
2010	\$87.638	118**	\$84.157	96.03%	8.56
2013	\$139.442	80**	\$135.232	96.98%	20.28
2016	\$142.781	50**	\$128.503	90.00%	30.84
2020	\$123.590	5**	\$0.676	0.55%	1.62

* End date November 2013 via CCU Resolution 06-FY2014

** Includes month of November 2020

*** Includes Expenses Only

B. Projects Procurement

Percentage Key:

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

BOX KEY FOR PROCUREMENT:

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

<u>BID PACKAGE</u> PW 09-02	New Well Construction (AG-10-Y-8 & AG-12)	
<50% Complete	Activities/Notes: 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.	

<u>RFP</u> PW 09-02	New Well Construction (Construction Management)	
<50% Complete	Activities/Notes: 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.	

RFP USEPA	Design of Dungca Beach Sewer Relocation	
90% Complete	Activities/Notes: Negotiating fee proposal with the selected A-E firm.	
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.	

RFP USEPA	Design of Hagatna Main Sewage Pump Station Redundant Force Main	
<90% Complete	Activities/Notes: Negotiating fee proposal with selected A-E firm.	
Project Description:	The work to be performed under this project procurement shall consist of identifying redundant force main options and to investigate the current condition of the existing force main. If repair/relocation is needed, then identify options and provide the design for the selected options, including pump station upgrades, if necessary.	

RFP USEPA	Design of Fujita Sewage Pump Station Redundant Force Main	
<90% Complete	Activities/Notes: Negotiating fee proposal with the selected firm.	
Project Description:	The work to be performed under this project procurement shall consist of identifying redundant force main options and provide the design for the selected option. After the redundant force main is placed in operation, investigate the condition of the original 14-inch force main to determine if repair, relocation, or replacement is needed in order to ensure force main redundancy. Identify options and provide the design for the selected option, including potential use of CIPP and if necessary, pump station upgrades.	

RFP USEPA	Design of Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	
<90% Complete	Activities/Notes: Negotiating fee proposal with the selected firm.	
Project Description:	The work to be performed under this project procurement shall consist of assessment of the structural integrity of the causeway for continued operations, including: vehicular traffic (to include heavy vehicles such as pumping trucks and construction equipment); pedestrian traffic; as a conveyance for utilities to the WWTP and potentially, a conveyance for a new force main; evaluation of culvert hydraulics, and inspection of vertical members, including underwater inspections. Also, to assess the structural integrity of WWTP building structures including concrete and metal structures/components.	

<u>BID PACKAGE</u> USEPA	Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement – Phase II	
90% Complete	Activities/Notes: Reviewing bonds and insurance documents.	
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.	

<u>BID PACKAGE</u> USEPA-SRF	Groundwater Wells A-02, A-07, A-12, D-05 and F-03 Rehabilitation (Re-Bid)	
70% Complete	Activities/Notes: Project was advertised for construction on 08/04/2020. The bid proposal deadline has been extended and is due on 10/15/2020 per Addendum no.2. Designer submitted revisions to the plans and specification and will be included in an Addendum no.3 after GWA reviews. As of 10/15/2020 - No bids were submitted. GWA is conducting feedback with registered bidders to determine cause for no bid submission.	
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.	

<u>BID PACKAGE</u> OEA GRANT	Northern Guam Lens Aquifer (NGLA) Monitoring System Expansion Project for the Guam Water and Wastewater Infrastructure Improvements Program	
95% Complete	Activities/Notes: Bid opening conducted on 09/04/2020. Bid evaluations completed Received CCU approval last September 2020. Award pending grant fund transfer.	
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.	

<u>BID PACKAGE</u> GWA BOND	Casimiru Waterline Replacement	
90% Complete	Activities/Notes: Bid evaluations completed. Award pending fund identification.	

Project Description:	Work to be performed under this project consist of replacement of existing 6-inch asbestos cement pipe with new 6-inch PVC pipes and appurtenances; reconnection of existing service connections and tapping to the main line, installation of fire hydrants, asphalt road restoration, and testing, complete in place and ready for use.
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BID PACKAGE GWA BOND	Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation	
70% Complete	Activities/Notes: IFB advertised on December 17, 2020 Pre-Bid meeting scheduled for January 5, 2021	
Project Description:	Work to be performed under this project consist of demolition of existing building features and equipment, including the existing power pole and power meter, plumbing fixtures and piping, water service piping, electrical system, ventilation system, building fascia and monorail beam and construction of rehabilitation and flood mitigation features including structural wall repairs, flood barrier gates, raised louver sills, cantilever monorail beam, elevated platforms, ventilation system, site work, site water piping, utility tie-in connections, protective coatings, electrical system, instrumentation and controls, testing, startup, and appurtenant work.	

BOX KEY FOR PROJECT:

(Type of Project) (Relevant CIP NO.)	(Project Title) (Contractor or consultant)	Start Date: (month and year)
(Percentage complete for project)	Activities/Notes: (brief description of activity)	Completion Date: (month and year)
(Court Order Paragraph No.)	(Project type)	
Project Description	Project Description Narrative	

C. CIP Water Section

INSPECTION CIP PW 05-02	Inspection & Maintenance Repairs to GWA Island-Wide Steel Water Tank Reservoirs Phase 2 (DCA)	Start Date: April 2010
75% Complete	Activities/Notes: Remaining work is API inspection, API report, structural inspection, tank bypass planning, and partial construction for the repair work. Ongoing limited CM inspection services for the Yigo No. 2, Astumbo No. 1, Agat-Umatac steel tank repair. Assisting with Windward Hills tank bypass.	Completion Date: 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.
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DESIGN CIP PW 05-12	Brigade II BPS Upgrade (EM Chen)	Start Date: April 2012
100% Complete (Basis of Design) 99% Complete (Design)	Activities/Notes: Design plans and specs continue to be reviewed and revised.	Completion Date: TBD
N/A	Engineering design services	
Project Description:	The design project is intended to assess system water supply feed from the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and resize the pumps to me system head requirements.	

DESIGN PW 09-11	Northern and Southern Guam Reservoir Design (TG Engineers)	Start Date: May 2015
85% Complete	Activities/Notes: <u>Ugum Reservoir</u> Design is at 90%. Awaiting SCADA/Electrical review. <u>Inarajan and Agfayan Booster Pump Station</u> Biological Assessment and Archaeological report are pending. GFD has responded to GWA's letter regarding fire flow. GFD accepts GWA's proposal; however, is requesting in writing that GWA has a plan to bring fire flow up to 1,000 gpm when more houses are built. GWA Engineering will discuss with management. <u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update. Change Order issued for Ugum tank foundation changes and continuation of meetings.	Completion Date: Completion will be in line with construction completion.
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.	

DESIGN PW 12-04	Central Guam Reservoirs Design (GHD Inc.)	Start Date: May 2015
90% Complete	<p>Activities/Notes:</p> <p><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. Property owner has agreed on selling the said lot. Designer is progressing to 100%.</p> <p>Archaeological and Biological Assessment is pending.</p> <p><u>Manenggon Reservoir and Access Booster Pump Station</u> Design is at 100% pre-final. Designer has resubmitted the 100% with revisions to GWA for review. Biological Assessment report completed. Archaeological report completed.</p> <p><u>Piti Reservoir</u> DCA and GHD are working to put the bid package together. DCA has already completed the major steel tank repair plan and specifications. GHD is working on site utility plan and specifications. GWA has not submitted the Right of Way application to National Parks Services yet. GWA has received the final Dept. of Agriculture consultation response letter. Biological Assessment report has been completed. Archaeological report needs to be completed before ROW application can be submitted.</p> <p>Waiting on National Park Service to allow Archaeologist to go onsite to perform survey.</p> <p><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. A23 and A25 MOU sent to DPW for signature. No response from DPW.</p> <p><u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon No. 1, Hyundai, Chaot No. 2 Reservoir Construction for update.</p>	<p>Completion Date: Completion will be in line with construction completion.</p>
CO 29 (b)(4)	Engineering design services	

Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti & Tumon #1.
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DESIGN PW 09-03	ID/IQ for Professional Civil/Structural Services Task 1 – Tai Road/S-13 and Toto-Canada Road/Blas Street Waterline Replacement	Start Date: January 20, 2020
60% Complete	Activities/Notes: Design consultant submitted the 60% design work for GWA review and comment on 05/01/2020.	Completion Date: 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.	

CONSTRUCTION PW 09-03	Line Replacement Phase IV (Giant Construction)	Start Date: February 14, 2016
98% Complete	Activities/Notes: Work at Assumption Drive has been completed. Contractor to tie-in the new waterline to the existing waterline as soon as Water Operation permits.	Completion Date: October 28, 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.	

DESIGN PW 05-15	Asan Spring Rehabilitation Design (HDR)	Start Date: August 24, 2016
82% Complete	Activities/Notes: Designer still pending guidance from SHPO to conduct an archaeological survey requirement. Designer's biological survey approach is currently with NPS, permit is pending.	Completion Date: June 2022
	Engineering design services	

Project Description:	<ul style="list-style-type: none"> - 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. - Review and validate the current property boundary information to confirm the available space for the project development. - Perform an environmental impact study and prepare all required permits as needed. - Perform an archeological and historical resources study to identify potential impact to the project, prepare all required permits as needed. - 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. - 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. - Identify the existing and projected service area, period of design. - Identify and recommend conceptual water treatment system. - 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.
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CONSTRUCTION PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction (Pernix)	Start Date: December 1, 2016
99% Complete	Activities/Notes: Astumbo #1 (New Concrete): Contractor working on commissioning of the flow meter and tank level sensor. Pernix work stopped because employee was positive for COVID. Work is resuming in November.	Completion Date: October 31, 2018
	Construction Services	
Project Description:	This project will involve construction of two (2) 2MG concrete tanks and Booster Pump Station at the Yigo site and a one (1) 2MG concrete tank at the Astumbo site. Work will involve new pipe line, valves, electrical controls, pumps and motors, site drainage, paving, generator for the BPS, SCADA, etc.	

CONSTRUCTION MANAGEMENT PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction Management (GHD)	Start Date: December 2016
99% complete	Activities/Notes: Working to complete project close out requirements but due to additional time required by contractor the CM services required as well.	Completion Date: 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.	

CONSTRUCTION MANAGEMENT PW 12-04, PW 12-06 AND PW 09-11	Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction Management (TG Engineers, PC)	Start Date: December 2017
80% complete	Activities/Notes: Performing CM duties.	Completion Date: March 2021
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

CONSTRUCTION PW 12-04, PW 12-06 AND PW 09-11	Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction (AIC)	Start Date: February 8, 2018
81% Complete	Activities/Notes: <u>Tumon No. 1</u> Tumon No. 1 online – 08/20/2020. St. John's PRV HEP permit approved by DPW. Work is ongoing. Pale San Vitores HEP pending DPW approval. DPW will not issue permit until St. John's PRV work is completed. <u>Barrigada Heights No. 1 (Hyundai)</u> Barrigada Heights No. 1 online – 10/09/2020. Contractor working on booster pump station and offsite pipe work. Contractor working on Sabana water line and BPS. <u>Chaot No. 2</u> Chaot No. 2 tank online – 09/02/2020. Contractor working on A-series well, Dero Rd connection to Leo Palace line, chlorination system improvements and miscellaneous	Completion Date: TBD (Completion date has passed. Pending time extension for permit delays.)

	improvements.	
	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.	

CONSTRUCTION MANAGEMENT PW 09-11	Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)	Start Date: April 2018
0% Complete	Activities/Notes: NTP issued 10/03/2019. 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. Change Order No. 1 issued. GWA will issue NTP to GHD once work onsite starts.	Completion Date: TBD (Pending NTP)
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

CONSTRUCTION PW 09-11	Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction (AIC)	Start Date: October 2019
0% Complete	Activities/Notes: NTP issued 10/03/2019. Pending permits with SHPO, GEPA, and DPW. Clearing and Grading Permits, and Building Permit <ol style="list-style-type: none"> 1. Santa Rosa: Clearing/grading and excavation work to begin 11/23/2020. 2. Santa Rita: Clearing/grading permit expected in November. 3. Sinifa: SHPO signature required prior to DPW submission. 	Completion Date: 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.	

CONSTRUCTION	Pressure Zone Realignment and Tank Repair-Replacement – Phase I (Sumitomo)	Start Date: December 17, 2019 (Notification of Award)
0% Complete	Activities/Notes: NTP issued 05/06/2020. Project sign has been installed at Kaiser site. Building permit is currently pending. DPW issued Building Permit on 10/06/2020 and retracted it shortly after. Plan revisions are back under review by Highway Encroachment. Permit continues to be pending. CCU Resolution No. 40 FY-2020 was passed 09/22/2020 awarding 2 additive bid items, Terao and Maimai PRVs, to SMCC.	Completion Date: May 6, 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.	

DESIGN PW 05-12	Pressure Zone Realignment and Tank Repair-Replacement (GHD)	Start Date: August 2018
Design will be done in Phases. Phase I - 100% (Design) Phase II - 70% (Design)	Activities/Notes: Designer submitted Phase II 60% plans on 08/04/2020 and reviewed by Water CIP Engineering team on 08/11/2020. Operations will also be providing information for further design progress. Engineering and operations to further investigate Phase II sites.	Completion Date:
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.	

DESIGN, CONSTRUCTION, CONSTRUCTION MANAGEMENT PW 09-11	Tank Repair and Bypass (DCA, AIC, GWA)	Start Date: May 1, 2020
7% Complete	Activities/Notes: Construction contract effective 04/21/2020. NTP issued 05/01/2020 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. Agat-Umatic, Yigo no. 3 and Astumbo no. 1 repairs ongoing. Bypass work at multiple sites ongoing.	Completion Date:
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.	

DESIGN PW 09-02	New Well Site Development - Y-08, AG-10, AG-12 (GHD)	Start Date: September 2018 (Extension)
99% Complete	Activities/Notes: 100% plans and specifications were submitted on 06/04/2020. Change Order no. 8 to complete final plan set and engineer estimate is under negotiation with GHD.	Completion Date: 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.	

CONSTRUCTION PW 14-01	Fire Hydrant Replacement Phase I (Mega United Corporation, Ltd.)	Start Date: October 19, 2019
0% Complete	Activities/Notes: Still in building permit process. GWA received a DPW review comments dated 11/20/2020 from Mega United. A meeting with DPW was held on 12/10/2020 regarding review comments. On 12/14/2020, GWA gave Mega United the revised plan with attached photos of some fire hydrants for compliance with the DPW review comments. Mega United will re-submit the package to DPW for building permit approval.	Completion Date: 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.	
CONSTRUCTION PW 05-07	Groundwater Well Production Meter Replacement Project (Giant Construction)	Start Date: April 29, 2020
6% Complete	Activities/Notes: <ul style="list-style-type: none"> - There was a change in ETA Guam of containers. - First container of valves, pipes, and fittings expected to arrive first week of December 2020. - Second container of valves, pipes, and fittings expected to arrive second week of December 2020. 	Completion Date: 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

CONSTRUCTION WW 09-06	Bayside SPS Improvements Design (EMPSCO)	Start Date:
0% Construction Services	Activities/Notes: <ul style="list-style-type: none"> - Construction ongoing (Removal of wall for new access door, and column, dewatering at wet well, removal of non-operational equipment). - Continue to review submittal, shop drawings and provide response to RFI's. - Upcoming Contract Change Request, dewatering of existing dry well generator enclosure and provision of autodialer. 	Completion Date: November 28, 2021
CO #3	Engineering design services	
Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges and install underground power cable due to GPA's concern that existing power pole, located on the bank is at risk of being lost due to storm surges.	

CONSTRUCTION WW 11-04	Umatac-Merizo WWTP Design Build Improvements Project (CoreTech)	Start Date: June 2017
100% Design 100% Construction	Activities/Notes: - Requested Release of Claims from Contractor. It was provided last week. BC is compiling the close-out documentation for submission to GWA.	Completion Date: 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.	

CONSTRUCTION MANAGEMENT WW 11-04	Umatac-Merizo WWTP Design Build Improvements Project (SSFM Inc)	Start Date: September 7, 2017
100% Complete	Activities/Notes: CM checked As-Built drawings and made comments. Final payment submitted to GWA. Project Completed.	Completion Date: 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

DESIGN EE 09-08	SCADA System for Water and Wastewater Facilities Phase A-1 (AECOM)	Start Date: June 11, 2015
100% Complete (Design) 84% Services during construction	Activities/Notes: Minimal support activities from Designer pending negotiation with G4S for settlement on claims.	Completion Date: November 2017 - Design December 11, 2019 - (Bid and Construction Support)
N/A	Engineering design services	

Project Description:	The A/E firm will design an integrated, robust and secure Supervisory Control and Data Acquisition (SCADA) system for GWA's water and wastewater systems, and to provide support services during bid and construction. The 22 sites will consist of a combination of water facilities such as production wells, reservoirs, booster pump station and wastewater sites include sewer treatment plants and sewer pump stations. Executed by approved change orders, number of sites in original design scope has changed from 22 sites to 19 sites and design of High Water Alarm for 20 critical sewer pump stations has been added. Scope also includes bid and construction support of the design-build project of GPWA SCADA EMS project.
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CONSTRUCTION EE 09-08, EE 09-09	SCADA Phase A1 Construction (G4S Security)	Start Date: July 13, 2018
80% Construction	Activities/Notes: Final resolution and determination have been reached. Processing a deductive Change Order no. 6 to adjust the total contract price to the agreed to amount.	Completion Date: 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.	

CONSTRUCTION MANAGEMENT EE 09-08, EE 09-09	SCADA Phase A1 Construction Management (GHD)	Start Date: July 13, 2018
96% Complete (due to increased contract amount and unbilled balance)	Activities/Notes: Minimal support activities from CM pending negotiation with G4S for a settlement for settlement on claims.	Completion Date: August 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.	

F. GIS Section

MAPPING MC 05-02	Island Wide Survey- (Duenas, Camacho & Ass.)	Start Date: December 2007
99% complete	Activities/Notes: Map regarding Airport Tank easement boundary is pending easement agreement with GIAA and final parceling map.	Completion Date: 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.	
MAPPING MC 05-02	Island Wide Survey PH II - (Duenas, Camacho & Ass.)	Start Date: August 30, 2017
80% complete	Activities/Notes: First set of land registration maps (5): DCA performing field survey. First 2 land registration maps in GWA review process.	Completion Date: 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 SectionPERMITS
MONTHLY REPORT 2020

Description	2020												TOTAL
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Building Permit	23	22	23	1	1	8	31	15	5	17	14		160
Occupancy Permit	6	31	25	1	1	21	27	10	2	26	26		176
New Installation	4	17	15	0	0	9	10	12	21	10	10		108
Sewer Application	0	1	4	0	0	1	4	4	4	13	13		44
Sewer Inspection	0	0	1	0	0	3	1	2	2	0	0		9
Private Utility Acceptance	0	0	0	0	0	0	0	0	0	0	1		1
Relocation of Water Meter	0	2	0	0	0	0	1	4	0	0	0		7
Tapping-Water	1	5	3	0	0	0	2	2	11	0	0		24
Tapping-Sewer	1	5	3	0	0	0	0	0	2	0	0		11
Clearance-Water	14	10	20	12	12	18	20	46	12	14	14		192
Clearance-Sewer	14	10	20	12	12	18	0	0	0	0	0		86
Highway Encroachment	36	5	20	0	0	31	49	4	57	48	48		298
Verification of Utilities	6	6	1	1	1	1	12	12	7	9	8		64
Fire Flow Test	0	3	0	0	0	0	1	0	0	1	1		6
Schedule Water Outage	0	0	0	0	0	0	0	2	0	0	0		2

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

AVERAGE PROCESSING TIME FOR COMPLETION (DAYS)
FOR THE CALENDAR MONTH OF **NOVEMBER 2020**

Description	2020											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit							16	28	17	17	36 ^{a1}	
Occupancy Permit							1	0	0	0	0	
New Installation							114	64	200	14	14	
Sewer Application							2	0	0	0	0	
Sewer Inspection							35	79	1	0	0	
Private Utility Acceptance							0	0	0	0	42	
Relocation of Water Meter							42	181	0	0	0	
Tapping-Water							250	260	318	0	0	
Tapping-Sewer							0	0	159	0	0	
Clearance-Water							46	208	98	60 ^{a1}	60 ^{a2}	
Clearance-Sewer							0	0	0	0	0	
Highway Encroachment							0	1	4	0	0	
Verification of Utilities							9	60	44	21 ^{a2}	23 ^{a3}	
Fire Flow Test							22	0	0	2	1	
Schedule Water Outage							0	118	0	0	0	

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

- a1** Additional information/revised plans were needed, including COVID-19 5 day holding period before plans could be reviewed.
- a2** Majority of clearance requests were submitted and delayed until the customers knew when their construction work would start.
- a3** Some VOU replies were delayed when other staff assignments needed urgent responses.


H. USEPA SRF Project Status Report

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

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

Percentage Key:

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

- Red text anywhere indicates a change from the last report.
- Cells highlighted in green  indicate contract amount certified and 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 - January 19, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 12/17/2020
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. Also, Archaeological monitoring through HDR contract. HDR CO for archaeological monitoring and additional construction services services approved by GWA. This CO will include design services for Phase II (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. CO#5 submitted to GWA for approval. Covers some additional work plus adds time. Continuation of point repairs at Ramona St. Pending SHPO approval of preservation plan. Plan approved by SHPO. Work at the point repairs with the artifacts completed. One new point repair at Ramona St. Observed on new CCTV. To repair this week. Work on sewer crossing Rte. 1 into the Asan Pump Station completed this past weekend. Contractor claiming for re-ordering CIPP materials (\$166K). Preliminary recommendation by CM and PM is that the claim is unwarranted.
			Construction (Phase II)				\$ 4,000,000.00		<u>Asan-Adelup-Hagatna</u> Bid advertised on 06/16/2020. Bid submission date moved to 09/03/2020. Four Bids received. PPBC is the apparent low bidder. Low bidder responsibility being evaluated. Contractor was asked to provide information substantiating the liner company and liner worker experience to determine qualifications meeting the requirements specified. <u>Adelup to Hagatna</u> Low bidder – CoreTech. GWA to award base bid plus all additive bid items soon. CoreTech submitted bonds.
			CM	2	8/3/2017	3/8/2020	\$ 870,610.41	DCA	Working with Contractor on schedule, submittals, responding to RFIs, and assisting in the negotiations of PCO costs. Fee proposal for CM services for Phase 2 submitted and accepted by GWA. Change Order to add CM for Phase 2 prepared for GWA. CO pending GWA execution.
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. Project is completed.
			Construction	3	8/31/2017	10/1/2018 (Contractor in LD period)	\$4,688,042.38	ProPacific	FOIA request. Currently gathering correspondence records and contract documents. PPBC needs to submit final CCTV and paperwork for review and acceptance of pipe between SMH 2 through 10. All work now completed. PPBC submitted a request for CO to resolve excess excavated materials, time extension, LD time, and other costs to BC. CO sent to GWA but prior to executing, the matter of LD assessment must be resolved. BC is working on this now. The final payment request is to accompany the change order to reconcile contract obligation amount. BC requesting final invoice from PPBC together with final As-Builts. BC working with GWA on assessment of LDs and Special Damages. Working on final payment quantities. Change Order #5 revised to include LDs and sent to PBC for signature. Pending signature by PPBC. GWA preparing a 5427 determination. PPBC signed CO#5. Final Payment Request from contractor not submitted yet.
			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. As-built drawings received from TG and forwarded to GWA.

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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 12/17/2020
7	Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5)	Brown & Caldwell	Design	6	5/27/2016	2/28/2018 (for design only)	\$ 1,758,247.00	AECOM	Bid and Construction Support Services on hold until construction IFB is issued.
			Construction	4					Designer expected to submit revised bid package to GWA on 05/25/20. Bid package received from designer. Re-Bid Package, IFB was sent out on 08/04/2020. A Pre-Bid Conference was conducted virtually by GoToMeeting and scheduled on 08/18/2020 at 10:00 am. Any RFIs must be submitted on or before 08/25/2020. All Bids will be accepted 3pm on 09/24/2020. No firm submitted a bid proposal. GWA Project Engineer to reassess and make additional changes to the bid package.
			CM	4					Negotiations with SSFM have terminated on 08/05/2020. GWA to start negotiations with 2nd qualified consultant, DCA on 08/12/2020. DCA sent their Final Fee Proposal on 09/21/2020 in the amount of \$640,248.00. GWA is starting the CM contract agreement process.
8	Tumon Sewer Hot Spots	Brown & Caldwell	Design	7	6/24/2016	10/30/2017 for design only	\$ 572,089.00	TG Engineers	TGE to provide engineering services during bid process.
			Construction	See Project 15	12/1/2018	12/31/2019	See Project 15	See Project 15	See Project 15
			CM	See Project 15	5/31/2019	5/31/2020	See Project 15	Am Orient	Procurement 100%: Contract fully executed. CM services to be on hold until bidding restarted.
12	RT4 Relief Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	9	3/1/2016	4/22/2017	\$ 794,000.00	AECOM	AECOM concluded that the intertie pipe that was installed with deviations (not first approved) from the design plans does not have a significant effect on the performance of either sewer line. GWA asked for concurrence of acceptance. GWA accepted as constructed.
			Construction	5	9/3/2018	6/30/2020	\$ 3,998,688.00	Insituform	CCU approved Change Order #5 to increase contingency authorization. Submitted Change Order #6 submitted to GWA for approval. Decision by GWA regarding LDs needed to process final payment. Pending response from Barbara Cruz. GWA added time to contract. Final LDs based on 2 days.
				6	9/25/2018	6/30/2020	\$ 3,407,848.00	ProPacific	PPBC completed all work under this contract. Final inspection on October 19. Substantial Completion was on 10/09/2020. Final completion was on 10/13/2020. Pending Final Payment request.
			CM	6	11/15/2018	12/31/2019	\$ 702,678.13	EMPSCO	Consultant assembling close-out documentation.

GWA Work Session - January 19, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 12/17/2020
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	<p><u>Santa Rita</u></p> <ul style="list-style-type: none"> Permits/Easement <ul style="list-style-type: none"> SHPO: Revised AMDP to be submitted to SHPO this week. CatEx to be completed after approval. Easement: Right of Entry signed by property owner. : GWA working with legislature to complete easement. BC providing assistance as requested. <ul style="list-style-type: none"> Construction <ul style="list-style-type: none"> Fusible PVC arrived on-island. PPBC requesting payment for undistributed materials. Design <ul style="list-style-type: none"> Conditionally approved. PPBC started DPW building permit. <p><u>Baza Gardens/Talofofo</u></p> <ul style="list-style-type: none"> Working on EMPSCO's final payment and issuing a final completion. EMPSCO beginning closeout.
			CM	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	EMPSCO submitted pay app for project closeout. BC will review closeout documents and invoice for payment.
15	Tamuning Sewer Hot Spots	G. Gattoc	Design	10	9/9/2016	10/31/2017 (for design only)	\$ 663,629.00	TG Engineers	TGE to provide engineering support services during bid process and construction.
			Construction	9	1/30/2020	12/31/2020	\$ 1,093,955.87	Ian Corporation	<ul style="list-style-type: none"> Building permit still pending with DPW; Contractor has re-submitted HEP application on December 15, 2020 after addressing DPW comments from previous re-submittal. Contractor prepared draft extension request letter for CM review. The current PCOR1 lockdown has suspended all construction projects on Guam effective COB 11/14/2020. Contractors can resume operations subject to meeting minimum requirements for clearance with DPHSS.
			CM	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).

GWA Work Session - January 19, 2021 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 12/17/2020
16	Talofofo Sewer Pump Stations (4 stations)	J. Miller	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	11/30/2017	\$ 493,818.86	EMPSCO	<ul style="list-style-type: none"> Cost Estimates are being evaluated for the construction IFB. Reviewing sewer connection laws and regulations for establishing updated expected flows. Invoice received 06/08/2020. Need to finalize cost estimate prior to paying for final documents.
			Construction	10	12/27/2018	5/29/2020	\$ 2,411,418.00	Giant Const.	<ul style="list-style-type: none"> Latest letter from GWA extends project completion date to 08/31/2020. Pending response from Giant. Giant working on punch list items. No projected date for startup provided. Currently compiling list of additional project delays since GWA's 08/31/2020 letter. Payment Application 09 still with Accounting for processing.
			CM		12/1/2018	12/31/2019			GWA Engineering will management construction management tasks.
18	Water Hydraulic Model (SCADA ready instruments to update Model)	Barbara Cruz J. Mendiola/G. Yeoh	Design	12	8/3/2016	3/15/2017	\$ 523,268.00	GHD	Design complete.
			Construction (Phase I)	12	8/3/2016	6/30/2020	\$ 4,532,000.00	Sumitomo	Installed meters at Marbo PRV site and Kaiser tank. Electric work with GPA still pending. Change Order no. 1 to award 2 additive bid items is with SMCC for review and signature before being routed to GM.
			CM		6/15/2019	6/30/2020			
23	Project Advertisement	Each IFB or RFP requires advertising	Engineering/Procurement	MISC	1		\$ 25,172.50	PDN/Post	On-going
24	Dungca Beach Sewer Improvements		GWA CIP Engr	Design					<ul style="list-style-type: none"> GWA received revised cost fee proposal from designer. It will be finalized this week. GWA submitted a letter from USEPA to SHPO Re: for consultation under Section 106 dated 12/08.
25	Hagatna Sewer Pump Station Force Main		GWA CIP Engr	Design					<ul style="list-style-type: none"> A/E Service Procurement. Initial inspection with Scott Wenger, GHD, conducted on Friday, 10/16/2020. GHD to provide fee proposal 11/17/2020. NEPA Documents are still in progress. SHPO requires an Archaeological Monitoring Plan.
26	Fujita Sewer Pump Station Force Main		GWA CIP Engr	Design					<ul style="list-style-type: none"> A/E (AECOM) working on design cost fee proposal. Compiling existing as-builts/design plans/studies/boundary information to establish scope of work and design fees for A/E.
27	Well Rehab A-28, M-14, D-15 & F-7		GWA CIP Engr	Design					Draft scope of work with Chief Engineer for review.

\$ 65,741,613.02



Financial Statement Overview December 2020

There were 465 COVID-19 positive tests and 10 COVID-related fatalities reported during the month of December. Executive Order 2020-46 extended the public health emergency from December 29, 2020 to January 29, 2021. The first COVID 19 vaccines were given on December 17, 2020 to the Phase 1 priority group which included health care workers and first responders. At the end of December, 4,241 vaccines were administered.

In early November, the Governor introduced the *Strive for Five* campaign to bring down our CAR (COVID Area Risk) score to 5 or less in hopes of moving the community towards some semblance of normalcy. On December 31, 2020, the island's CAR score was at .5 and mass testing was available to the public at no charge at various locations throughout the island. The Governor's Office announced that Guam will be placed in PCOR 2 on January 18, 2021 as the island's CAR score has been under 5 for nearly 50 consecutive days.

About a third of customers continue to make payments in person. Using social media, GWA continues to encourage customers to conduct business online or via the phone. As part of this effort, GWA joined the *Going Online Together* campaign in June with several other organizations. Additionally, CARES funding was approved to customize an automated customer service online support portal on the GWA website.

On April 28th, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. Approximately 47% of payments made in the 1st Quarter of FY21 were made with credit cards. Below is a summary of payments made and related fees exceeding the limit.

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October 2020	33	\$62,173	\$1,250	2.01%
November 2020	23	\$47,555	\$956	2.01%
December 2020	44	\$85,037	\$1,710	2.01%

Year to Date water consumption for the first quarter of FY21 is 13% lower than last year while daily water consumption for the period is down 12% from 16,216 to 14,488 Kgals. Although residential consumption is up 6% for water and 4% for wastewater, reductions in commercial and hotel of 43% in water demand and 40% in wastewater flows offset those increases.

For the month of December, water consumption was down 15% and wastewater consumption was down 18% partially due to reduction of 1 day billed this year compared to last. While daily water consumption for residents increased by 8%, overall daily water consumption was down by 13%.

The Guam Visitors Bureau and the Guam Airport Authority have announced that COVID 19 testing could begin in January, which could lead to changes in the mandatory 14-day quarantine. Additionally, negative coronavirus test results from Korea, Japan, and Taiwan could soon be accepted in time for the targeted reopening of tourism in the first quarter of CY2021. However, GVB suggests arrivals are not likely to pick up until the third or fourth quarter of FY2021 and a full tourism recovery may not happen until 2024. The Guam Hotel & Restaurant Association has noted that about 3,000 military reside in Guam hotels.



GVB is exploring the possibility of a travel bubble arrangement with Taiwan. The Governor will be visiting Taiwan to help boost this plan in the upcoming months. Meanwhile, most airlines have suspended flights to Guam.

Schools are scheduled to open on January 19, 2021 with parents able to choose face to face, online or hard copy for their children; we hope to see GDOE consumption increase as more activities are held at the schools. UOG and GCC are also considering reopening in a limited fashion but have not announced specific plans. See Schedule K for Water Demand for FY2015 to FY2021.

The second United States stimulus law was signed this month and includes some funding for rental and utility assistance as well as direct funding for water utilities. The Governor's Office applied for funding for the rental and utility assistance program in early January and we await information on the direct funding program. Unemployment assistance has been extended and the Department of Labor is determining whether reduced hours will be covered in the extension of the program. The deadline for the expenditure of CARES funding was also extended for a year.

As the recovery of Guam's economy is slower than expected, revenues are coming in below projections. A cost containment plan is in place in response to the revenue reductions. While sufficient cash reserves are in place, management will continue to assess the situation and make any course corrections required to ensure continuity of services to our customers while keeping the safety of our staff the highest priority. GWA is working with bond counsel to determine if a Rate Stabilization Fund can be stood up to assist with debt service coverage.

Balance Sheet

- Total Assets & Deferred Outflows of Resources of \$1.129B in September 2020 decreased by \$1.2M or less than 1% to \$1.128B in December 2020. Current Assets decreased by \$6.0M primarily due to reductions in federal receivables. Property, Plant and Equipment increased by \$4.5M due to increases in property net of accumulated depreciation. Other Noncurrent Assets increased by \$809K primarily due to increases in investment balances offset by reductions in restricted cash. Cash on hand was calculated at 277 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$869.9M in September 2020 decreased by \$4.2M or 1% to \$865.7M in December 2020 primarily due to reductions in contractors payable offset by increases in interest payable.
- Accounts Receivable days were 50 in December compared to 49 in November 2020 and Accounts Payable days were 33 in December 2020 compared to 31 in November 2020.

Statement of Operations and Retained Earnings

- Total Operating Revenues for December 2020 of \$7.6M were 20% or \$1.9M less than budget and 18% or \$1.7M less than December 2019 due to the impact of the COVID-19 public health emergency and offset by the 5% increases effective in March and October 2020.
- Year to Date Operating Revenues as of December 2020 of \$24.0M were 15% below budget and prior year or \$4.4M less than budget and \$4.2M less than last year.
- Below is the percentage of operating revenues (water and wastewater) contributed by GWA's customer classes for the first quarter of FY2021:



Customer Class	2020	2019
o Residential	51.00%	39.41%
o Commercial	20.48%	20.14%
o Hotel	12.37%	25.16%
o Government of Guam	9.70%	9.33%
o Federal Government	5.98%	5.53%
o Agriculture, Golf Course, Irrigation	.47%	.44%

- Total Operating Expenses for December 2020 of \$6.5M were \$974K or 13% lower than budget. Total Operating Expenses for December 2020 were 13% or \$943K less than December 2019 with decreases in most expense categories.
- Year to Date Operating Expenses at December 2020 of \$20.0M were \$2.4M or 11% lower than budget. Year to Date Operating Expenses at December 2020 were \$1.9M or 9% less than last year's \$21.9M.
- Earnings from Operations for December 2020 of \$1.1M were 44% or \$885K less than budget and 40% or \$755K less than December 2019. Change in Net Assets for December 2020 of \$665K were \$2.1M less than the \$2.8M budget mainly due to \$1.3M less in Grants and \$5.4M less more than December 2019 due to \$4.0M less in grants.
- Year to Date Earnings from Operations as of December 2020 of \$4.0M were 33% or \$2.0M less than budget and 36% or \$2.3M less than YTD Earnings as of December 2019. Year to Date Change in Net Assets as of December 2020 of \$3.0M were \$5.3M or 64% less than budget. Year to Date Change in Net Assets as of December 2020 were \$5.3M or 64% less than YTD as of December 2019 mainly due to \$2.4M less in Non-Operating Revenues net of Expenses.

Key Financial Indicators

Indicator	Target	November 2020	December 2020
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.30	1.32
• Per PUC / CCU	1.40	1.30	1.32
Days - Cash on Hand	120 days	268 days	277 days
Collection Ratio			
• Month to Date	99%	*92%	93%
• Year to Date	99%	*95%	94%
Days Billed	30 days	31 days	28 days
Account Receivable Days	30 days	49 days	50 days
Account Payable Days	45 days	31 days	33 days
Employee Count	400 FTE	374 FTE	373 FTE
Water Demand			
• Month to Date	478,754	448,412	405,540
• Year to Date	1,436,263	883,912	1,289,392
Wastewater Flow			
• Month to Date	356,472	317,558	283,087
• Year to Date	1,069,417	633,627	916,714
Water Customers	42,839	42,978	43,021
Wastewater Customers	29,805	29,403	29,988

*Navy accruals excluded as they were not billed in November.

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

SCHEDULE A

	Unaudited December 31, 2020	Unaudited September 30, 2020	Increase (Decrease)
ASSETS AND DEFERRED OUTFLOWS of RESOURCES			
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule G)	42,231,330	42,479,412	(248,082)
Restricted Funds (Schedule G)	29,280,274	30,072,502	(792,228)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$8,503,526 at Dec 31, 2020 and \$8,027,857 at Sep 30, 2020	13,259,704	12,562,276	697,428
Federal Receivable	2,410,100	8,168,373	(5,758,273)
Other Receivable	868,301	901,928	(33,628)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Dec 31, 2020 and \$64,131 at Sep 30, 2020	4,915,638	4,804,463	111,175
Total Current Assets	92,965,346	98,988,953	(6,023,607)
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	378,892,590	378,487,752	404,838
Wastewater system	492,117,959	480,533,485	11,584,474
Non-utility property	25,770,089	25,752,939	17,150
Total property	896,780,638	884,774,176	12,006,462
Less: Accumulated Depreciation	(349,486,413)	(343,114,822)	(6,371,591)
Land	5,240,187	5,240,187	-
Construction Work in Progress	144,202,843	145,342,590	(1,139,747)
Property, Plant and Equipment, net	696,737,256	692,242,131	4,495,124
<u>Other noncurrent assets and deferred charges</u>			
Restricted cash (Schedule G)	210,660,201	219,203,039	(8,542,838)
Investments (Schedule G)	76,165,074	66,616,997	9,548,077
Other Prepaid Expenses	2,157,782	2,615,782	(458,000)
Regulatory Assets	692,537	430,962	261,575
Total other noncurrent assets and deferred charges	289,675,594	288,866,779	808,815
Total Assets	1,079,378,195	1,080,097,863	(719,667)
Deferred outflows of resources			
Debt defeasance due to bond refunding	32,835,510	33,351,801	(516,291)
Deferred outflows from pension	9,057,499	9,057,499	-
Deferred outflows from OPEB	6,982,196	6,982,196	-
Total Assets and Deferred Outflows of Resources	1,128,253,401	1,129,489,360	(1,235,959)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,695,000	295,000
Series 2014 Refunding Bond	530,000	3,760,000	(3,230,000)
Series 2016 Revenue Bond	3,860,000	420,000	3,440,000
Series 2017 Refunding Bond	2,040,000	-	2,040,000
Accounts Payable -Trade	2,458,900	2,701,944	(243,044)
Accrued and Other Liabilities	944,816	1,238,863	(294,047)
Interest Payable	11,938,094	6,304,598	5,633,496
Accrued Payroll and Employee Benefits	908,317	354,780	553,538
Current portion of employee annual leave	521,113	616,114	(95,001)
Contractors' Payable	13,711,627	23,311,295	(9,599,667)
Customer and Other Deposits	2,177,392	2,199,462	(22,071)
Total Current Liabilities	42,080,259	43,602,055	(1,521,797)
<u>Long Term Debt, less current maturities</u>			
Series 2013 Revenue Bond	24,350,000	24,645,000	(295,000)
Series 2014 Refunding Bond	64,610,000	61,380,000	3,230,000
Series 2016 Revenue Bond	139,030,000	142,470,000	(3,440,000)
Series 2017 Refunding Bond	105,325,000	107,365,000	(2,040,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	42,046,476	42,515,523	(469,047)
Net pension liability	49,593,171	49,593,171	-
Net OPEB obligation	62,656,405	62,656,405	-
Employee Annual Leave, Less Current Portion	1,274,196	1,179,195	95,001
Employee Sick Leave	1,226,702	1,226,702	-
Total Liabilities	832,267,209	836,708,051	(4,440,842)
Deferred inflows of resources:			
Contribution in Aid of Construction	225,498	67,608	157,890
Deferred inflows from pension	1,444,744	1,444,744	-
Deferred inflows from OPEB	31,758,062	31,758,062	-
Total Liabilities and Deferred Inflows of Resources	865,695,513	869,978,465	(4,282,952)
Net Assets	262,557,888	259,510,894	3,046,994
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,128,253,401	1,129,489,360	(1,235,959)

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

SCHEDULE B

	Month to Date Budget* December-20	Actual (Unaudited) December-20	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,863,373	4,935,503	(927,870)
Wastewater Revenues	3,226,426	2,397,302	(829,124)
Legislative Surcharge	274,214	216,762	(57,452)
Other Revenues	35,895	28,686	(7,209)
System Development Charge	77,442	40,616	(36,826)
Total Operating Revenues	9,477,350	7,618,869	(1,858,480)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	718,609	224,352	494,257
Power Purchases	1,082,131	1,002,553	79,579
Total Utility Costs	1,800,740	1,226,904	573,836
Salaries and Wages	1,769,221	1,702,655	66,565
Pension and Benefits	606,991	646,032	(39,040)
Total Salaries and Benefits	2,376,212	2,348,687	27,525
Capitalized Labor and Benefits	(308,333)	(333,024)	24,691
Net Salaries and Benefits	2,067,879	2,015,663	52,216
Administrative and General Expenses			
Sludge removal	136,907	135,456	1,452
Chemicals	196,696	86,686	110,009
Materials & Supplies	163,935	44,275	119,660
Transportation	37,298	22,886	14,411
Communications	14,528	12,839	1,690
Claims	5,181	-	5,181
Insurance	78,685	78,330	355
Training & Travel	29,321	-	29,321
Advertising	11,346	2,160	9,186
Miscellaneous	89,396	82,175	7,221
Regulatory Expense	24,155	8,958	15,196
Bad Debts Provision	151,113	150,991	122
Total Administrative and General Expense	938,561	624,757	313,804
Depreciation Expense	1,855,919	2,135,984	(280,064)
Contractual Expense			
Audit & Computer Maintenance	92,904	24,120	68,784
Building rental	41,352	37,471	3,881
Equipment rental	87,524	23,834	63,690
Legal	563	-	563
Laboratory	35,382	20,707	14,676
Other	267,774	135,925	131,850
Total Contractual Expense	525,500	242,057	283,442
Retiree Supp. Annuities and health care costs	233,386	201,273	32,113
Contribution to Government of Guam	48,546	50,333	(1,787)
Total Retiree Benefits	281,932	251,606	30,326
Total Operating Expenses	7,470,530	6,496,971	973,559
Earnings (Loss) from Operations	2,006,820	1,121,899	(884,921)
Interest Income - 2010/13/14/16/17/20 Series Bond	128,299	2,189	(126,110)
Interest Income - Other Funds	29,550	681	(28,869)
Interest Income - SDC	2,488	(1,169)	(3,657)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,638,329)	(2,559,639)	78,690
Federal Expenditures	-	(72,016)	(72,016)
Amortization of Discount, Premium and Issuance Costs	(23,078)	156,349	179,427
Defeasance due to bond refunding	(22,439)	(172,097)	(149,658)
Prior Year Adjustment	-	(45,042)	(45,042)
Total non-operating revenues (expenses)	(2,523,508)	(2,690,744)	(167,236)
Net Income (Loss) before capital contributions	(516,688)	(1,568,846)	(1,052,157)
Capital Contributions			
Grants from US Government	3,311,071	2,044,107	(1,266,965)
Grants from GovGuam & Others	-	190,048	190,048
Total Capital Contributions	3,311,071	2,234,154	(1,076,917)
Change in Net Assets	2,794,383	665,309	(2,129,074)
Debt Service Calculation			
Earnings From Operations	2,006,820	1,121,899	
System Development Charge	(77,442)	(40,616)	
Retiree COLA	48,546	50,333	
Interest/Investment Income	29,550	681	
Depreciation	1,855,919	2,135,984	
Balance Available for Debt Service per Section 6.12	3,863,393	3,268,280	
Debt Service			
Principal	772,500	772,500	
Interest	1,996,663	1,847,251	
Total	2,769,163	2,619,751	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.25	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.25	

*Adjusted budget

GWA Work Session - January 19, 2021 - DIVISION REPORTS

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

SCHEDULE C

	Actual (Unaudited) December-20	Month to Date Actual (Unaudited) December-19	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	4,935,503	5,461,985	(526,482)
Wastewater Revenues	2,397,302	3,497,682	(1,100,381)
Legislative Surcharge	216,762	291,329	(74,567)
Other Revenues	28,686	24,508	4,179
System Development Charge	40,616	41,203	(587)
Total Operating Revenues	7,618,869	9,316,708	(1,697,838)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	224,352	531,933	(307,581)
Power Purchases	1,002,553	1,432,471	(429,918)
Total Utility Costs	1,226,904	1,964,404	(737,500)
Salaries and Wages	1,702,655	1,626,563	76,092
Pension and Benefits	646,032	529,411	116,621
Total Salaries and Benefits	2,348,687	2,155,974	192,713
Capitalized Labor and Benefits	(333,024)	(287,231)	(45,794)
Net Salaries and Benefits	2,015,663	1,868,743	146,920
Administrative and General Expenses			
Sludge removal	135,456	118,005	17,451
Chemicals	86,686	210,324	(123,637)
Materials & Supplies	44,275	149,718	(105,443)
Transportation	22,886	47,127	(24,240)
Communications	12,839	10,186	2,653
Claims	-	9,052	(9,052)
Insurance	78,330	77,860	470
Training & Travel	-	26,215	(26,215)
Advertising	2,160	3,080	(920)
Miscellaneous	82,175	85,883	(3,708)
Regulatory Expense	8,958	63,587	(54,629)
Bad Debts Provision	150,991	184,910	(33,919)
Total Administrative and General Expense	624,757	985,946	(361,189)
Depreciation Expense	2,135,984	2,002,032	133,952
Contractual Expense			
Audit & Computer Maintenance	24,120	28,657	(4,536)
Building rental	37,471	34,819	2,653
Equipment rental	23,834	52,122	(28,288)
Laboratory	20,707	15,680	5,027
Other	135,925	248,122	(112,197)
Total Contractual Expense	242,057	379,399	(137,342)
Retiree Supp. Annuities and health care costs	201,273	189,075	12,198
Contribution to Government of Guam	50,333	50,334	(1)
Total Retiree Benefits	251,606	239,409	12,197
Total Operating Expenses	6,496,971	7,439,933	(942,962)
Earnings (Loss) from Operations	1,121,899	1,876,774	(754,876)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,189	155,726	(153,537)
Interest Income - Other Funds	681	40,926	(40,245)
Interest Income - SDC	(1,169)	12,001	(13,170)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,559,639)	(2,117,099)	(442,540)
Interest Expense - ST BOG	-	(7,123)	7,123
Federal Expenditures	(72,016)	-	(72,016)
Loss on Asset Disposal	-	(42,267)	42,267
Amortization of Discount, Premium and Issuance Costs	156,349	119,970	36,379
Defeasance due to bond refunding	(172,097)	(68,976)	(103,121)
Prior Year Adjustment	(45,042)	-	(45,042)
Total non-operating revenues (expenses)	(2,690,744)	(1,906,842)	(783,903)
Net Income (Loss) before capital contributions	(1,568,846)	(30,067)	(1,538,778)
Capital Contributions			
Grants from US Government	2,044,107	6,090,821	(4,046,715)
Grants from GovGuam & Others	190,048	-	190,048
Total Capital Contributions	2,234,154	6,090,821	(3,856,667)
Change in Net Assets	665,309	6,060,754	(5,395,445)
Debt Service Calculation			
Earnings From Operations	1,121,899	1,876,774	
System Development Charge	(40,616)	(41,203)	
Retiree COLA	50,333	50,334	
Interest/Investment Income	681	40,926	
Depreciation	2,135,984	2,002,032	
Balance Available for Debt Service per Section 6.12	3,268,280	3,928,863	
Working Capital Reserve Available for Debt Service	-	967,350	
Balance Available for Debt Service inclusive of reserves	3,268,280	4,896,212	
Debt Service			
Principal	772,500	730,833	
Interest	1,847,251	2,117,099	
Total	2,619,751	2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.38	
Debt Service Coverage (1.40X) (PUC)	1.25		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.72	

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

SCHEDULE D

	Year to Date Budget* December-20	Actual (Unaudited) December-20	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	17,590,120	15,567,456	(2,022,663)
Wastewater Revenues	9,679,277	7,520,673	(2,158,604)
Legislative Surcharge	822,643	694,483	(128,160)
Other Revenues	107,684	89,094	(18,590)
System Development Charge	232,326	159,317	(73,009)
Total Operating Revenues	28,432,049	24,031,023	(4,401,027)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	2,155,827	1,092,000	1,063,827
Power Purchases	3,246,394	2,983,951	262,444
Total Utility Costs	5,402,221	4,075,950	1,326,270
Salaries and Wages	5,307,662	4,809,911	497,751
Pension and Benefits	1,820,974	1,820,940	34
Total Salaries and Benefits	7,128,636	6,630,851	497,785
Capitalized Labor and Benefits	(925,000)	(916,163)	(8,837)
Net Salaries and Benefits	6,203,636	5,714,688	488,948
Administrative and General Expenses			
Sludge removal	395,721	366,285	29,437
Chemicals	590,087	435,704	154,383
Materials & Supplies	481,806	253,057	228,749
Transportation	113,893	113,048	846
Communications	43,585	39,730	3,855
Claims	15,542	-	15,542
Insurance	235,056	234,991	65
Training & Travel	87,963	7,757	80,206
Advertising	34,038	11,427	22,611
Miscellaneous	268,188	249,489	18,699
Regulatory Expense	72,464	34,830	37,634
Bad Debts Provision	477,340	475,666	1,674
Total Administrative and General Expense	2,815,683	2,221,983	593,700
Depreciation Expense	5,567,758	6,371,591	(803,833)
Contractual Expense			
Audit & Computer Maintenance	283,712	282,757	955
Building rental	124,056	112,414	11,642
Equipment rental	257,573	73,368	184,204
Legal	1,688	-	1,688
Laboratory	106,147	32,577	73,570
Other	803,323	355,970	447,354
Total Contractual Expense	1,576,499	857,086	719,412
Retiree Supp. Annuities and health care costs	700,157	613,533	86,624
Contribution to Government of Guam	145,638	151,000	(5,362)
Total Retiree Benefits	845,795	764,533	81,262
Total Operating Expenses	22,411,591	20,005,831	2,405,760
Earnings (Loss) from Operations	6,020,459	4,025,192	(1,995,267)
Interest Income - 2010/13/14/16/17/20 Series Bond	384,898	6,667	(378,232)
Interest Income - Other Funds	88,651	1,895	(86,756)
Interest Income - SDC	7,463	9,197	1,734
Interest Expense - 2010/13/14/16/17/20 Series Bond	(7,914,988)	(7,678,918)	236,070
Federal Expenditures	-	(127,812)	(127,812)
Amortization of Discount, Premium and Issuance Costs	(69,233)	467,297	536,530
Defeasance due to bond refunding	(67,316)	(516,291)	(448,975)
Prior Year Adjustment	-	(50,572)	(50,572)
Total non-operating revenues (expenses)	(7,570,524)	(7,888,538)	(318,014)
Net Income (Loss) before capital contributions	(1,550,065)	(3,863,346)	(2,313,280)
Capital Contributions			
Grants from US Government	9,933,214	6,713,187	(3,220,028)
Grants from GovGuam & Others	-	197,153	197,153
Total Capital Contributions	9,933,214	6,910,340	(3,022,875)
Change in Net Assets	8,383,149	3,046,994	(5,336,155)
Debt Service Calculation			
Earnings From Operations	6,020,459	4,025,192	
System Development Charge	(232,326)	(159,317)	
Retiree COLA	145,638	151,000	
Interest/Investment Income	88,651	1,895	
Depreciation	5,567,758	6,371,591	
Balance Available for Debt Service per Section 6.12	11,590,180	10,390,361	
Debt Service			
Principal	2,317,500	2,317,500	
Interest	5,989,988	5,541,754	
Total	8,307,488	7,859,254	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.32	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.32	

*Adjusted budget

GWA Work Session - January 19, 2021 - DIVISION REPORTS

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

SCHEDULE E

	Year to Date Actual (Unaudited) December-20	Actual (Unaudited) December-19	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	15,567,456	17,042,245	(1,474,789)
Wastewater Revenues	7,520,673	10,037,605	(2,516,932)
Legislative Surcharge	694,483	886,978	(192,495)
Other Revenues	89,094	95,115	(6,021)
System Development Charge	159,317	131,141	28,176
Total Operating Revenues	24,031,023	28,193,084	(4,162,062)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,092,000	1,709,769	(617,769)
Power Purchases	2,983,951	4,045,875	(1,061,924)
Total Utility Costs	4,075,950	5,755,643	(1,679,693)
Salaries and Wages	4,809,911	4,874,196	(64,285)
Pension and Benefits	1,820,940	1,580,806	240,134
Total Salaries and Benefits	6,630,851	6,455,002	175,849
Capitalized Labor and Benefits	(916,163)	(838,663)	(77,501)
Net Salaries and Benefits	5,714,688	5,616,339	98,348
Administrative and General Expenses			
Sludge removal	366,285	359,173	7,111
Chemicals	435,704	545,200	(109,496)
Materials & Supplies	253,057	417,277	(164,220)
Transportation	113,048	140,267	(27,220)
Communications	39,730	27,871	11,859
Claims	-	9,052	(9,052)
Insurance	234,991	233,806	1,185
Training & Travel	7,757	36,270	(28,513)
Advertising	11,427	5,271	6,156
Miscellaneous	249,489	219,300	30,189
Regulatory Expense	34,830	133,259	(98,429)
Bad Debts Provision	475,666	559,297	(83,631)
Total Administrative and General Expense	2,221,983	2,686,043	(464,060)
Depreciation Expense	6,371,591	5,999,865	371,725
Contractual Expense			
Audit & Computer Maintenance	282,757	107,638	175,119
Building rental	112,414	105,422	6,992
Equipment rental	73,368	288,715	(215,346)
Laboratory	32,577	77,053	(44,476)
Other	355,970	506,600	(150,630)
Total Contractual Expense	857,086	1,085,428	(228,341)
Retiree Supp. Annuities and health care costs	613,533	570,065	43,468
Contribution to Government of Guam	151,000	151,002	(2)
Total Retiree Benefits	764,533	721,067	43,466
Total Operating Expenses	20,005,831	21,864,386	(1,858,555)
Earnings (Loss) from Operations	4,025,192	6,328,699	(2,303,507)
Interest Income - 2010/13/14/16/17/20 Series Bond	6,667	587,509	(580,843)
Interest Income - Other Funds	1,895	157,487	(155,592)
Interest Income - SDC	9,197	37,447	(28,250)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(7,678,918)	(6,351,297)	(1,327,621)
Interest Expense - ST BOG	-	(18,697)	18,697
Federal Expenditures	(127,812)	-	(127,812)
Loss on Asset Disposal	-	(42,267)	42,267
Amortization of Discount, Premium and Issuance Costs	467,297	359,909	107,388
Defeasance due to bond refunding	(516,291)	(206,927)	(309,364)
Prior Year Adjustment	(50,572)	(36,592)	(13,980)
Total non-operating revenues (expenses)	(7,888,538)	(5,513,427)	(2,375,111)
Net Income (Loss) before capital contributions	(3,863,346)	815,272	(4,678,618)
Capital Contributions			
Grants from US Government	6,713,187	7,546,727	(833,540)
Grants from GovGuam & Others	197,153	-	197,153
Total Capital Contributions	6,910,340	7,546,727	(636,387)
Change in Net Assets	3,046,994	8,361,999	(5,315,005)
Debt Service Calculation			
Earnings From Operations	4,025,192	6,328,699	
System Development Charge	(159,317)	(131,141)	
Retiree COLA	151,000	151,002	
Interest/Investment Income	1,895	157,487	
Depreciation	6,371,591	5,999,865	
Balance Available for Debt Service per Section 6.12	10,390,361	12,505,912	
Working Capital Reserve Available for Debt Service	-	2,902,049	
Balance Available for Debt Service inclusive of reserves	10,390,361	15,407,961	
Debt Service			
Principal	2,317,500	2,192,500	
Interest	5,541,754	6,351,297	
Total	7,859,254	8,543,797	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.32	1.46	
Debt Service Coverage (1.40X) (PUC)	1.32		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.80	

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

SCHEDULE F**Funding Summary**

Total available project funds	\$ 13,342,324
Total project expenditures and encumbrances	10,396,541
Total unobligated project funds	\$ 2,945,783

Projects Funded

Project Description	Expenditures	Outstanding Encumbrances	Expenditures and Encumbrances
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,150,881	3,090	1,153,971
Central Guam Reservoirs	215,747	64,293	280,040
Line Replacement Phase IV	-	256,937	256,937
Northern DWWTP	19,409	5,403,190	5,422,599
Northern DWWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	72,836	527,033	599,869
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofofo Sewer Improvement	-	241,142	241,142
Groundwater Well Production Meter Rep.	-	151,207	151,207
	\$ 3,744,934	\$ 6,651,607	\$ 10,396,541

As of November 30, 2020**Funding Summary**

Total available project funds	\$ 13,302,322
Total project expenditures and encumbrances	10,439,324
Total unobligated project funds	\$ 2,862,998

Projects Funded

Project Description	Expenditures	Outstanding Encumbrances	Expenditures and Encumbrances
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,150,881	3,090	1,153,971
Central Guam Reservoirs	215,747	64,293	280,040
Line Replacement Phase IV	-	256,937	256,937
Northern DWWTP	19,409	5,403,190	5,422,599
Northern DWWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	72,836	527,033	599,869
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.	-	151,207	151,207
	\$ 3,744,934	\$ 6,694,390	\$ 10,439,324

Future planned projects

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

GWA Work Session - January 19, 2021 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
For months ending November 30, 2020 and December 31, 2020

SCHEDULE G

Description	Unaudited December 31, 2020	Unaudited September 30, 2020	Increase (Decrease)	Unaudited November 30, 2020	Unaudited September 30, 2020	Increase (Decrease)
UNRESTRICTED						
Change Fund	2,000	2,000	-	2,000	2,000	-
Petty Cash	4,450	4,450	-	4,450	4,450	-
BOG Deposit Accounts	6,475,695	5,561,165	914,531	5,745,293	5,561,165	184,129
BOG O & M Reserve	25,259,097	25,689,390	(430,294)	25,258,886	25,689,390	(430,504)
BOG CapEx Fund	10,490,088	11,222,407	(732,319)	10,602,119	11,222,407	(620,288)
Sub-total Unrestricted	42,231,330	42,479,412	(248,082)	41,612,748	42,479,412	(866,663)
RESTRICTED						
ANZ Bank	521	-	521	217	-	217
Bank Pacific	23,666	29,243	(5,577)	9,941	29,243	(19,302)
Bank of Hawaii	208,045	191,250	16,795	366,532	191,250	175,282
Community First FCU	5,604	1,976	3,628	2,126	1,976	150
First Hawaiian Bank	104,513	43,451	61,062	10,091	43,451	(33,359)
Bank Pacific Surcharge	844,275	420,680	423,595	910,030	420,680	489,350
Bank Pacific Escrow Deposit	805,804	842,331	(36,527)	805,777	842,331	(36,554)
BOG Customer Refunds	2,052,900	2,063,361	(10,461)	2,064,366	2,063,361	1,005
BOG Emergency Reserve Fund	6,244	6,243	-	6,244	6,243	-
BOG Sewer Hookup Revolving Fund	68,221	67,809	412	68,219	67,809	410
BOG Operation and Maintenance Fund	5,953,675	3,083,482	2,870,193	3,083,482	3,083,482	-
BOG Revenue Trust	515,572	254,619	260,952	512,526	254,619	257,907
BOG Revenue Trust Fund	3,427,679	7,929,291	(4,501,612)	5,569,435	7,929,291	(2,359,857)
BOG Capital Improvement Revenue Fund	5,595,739	5,361,363	234,376	5,595,693	5,361,363	234,330
	19,612,458	20,295,100	(682,643)	19,004,680	20,295,100	(1,290,420)
BOG - SDC Deposit	4,367,816	3,527,401	840,415	4,572,904	3,527,401	1,045,502
BOG - SDC CDs	5,300,000	6,250,000	(950,000)	5,250,000	6,250,000	(1,000,000)
Total SDC	9,667,816	9,777,401	(109,585)	9,822,904	9,777,401	45,502
Total Restricted	29,280,274	30,072,502	(792,228)	28,827,584	30,072,502	(1,244,918)
Reserve Funds						
BOG Series 2013 Construction Fund	6,911,000	8,647,934	(1,736,934)	7,346,925	8,647,934	(1,301,009)
BOG Series 2014 Refunding Construction Fund	219,105	219,099	6	219,103	219,099	4
BOG Series 2016 Construction Fund	65,903,124	68,518,206	(2,615,081)	67,608,786	68,518,206	(909,420)
BOG Series 2017 Refunding Construction Fund	5,570,397	6,206,732	(636,334)	5,752,751	6,206,732	(453,980)
BOG Series 2020A Construction Fund	123,122,635	-	123,122,635	123,077,728	-	123,077,728
BOG Series 2020A Capitalized Interest Fund	8,933,939	123,277,054	(114,343,114)	12,283,838	123,277,054	(110,993,215)
BOG Series 2020A Cost of Issuance Fund	-	12,283,633	(12,283,633)	46,547	12,283,633	(12,237,086)
B20B- BOG COI Fund 184000	-	50,382	(50,382)	-	50,382	(50,382)
Total Restricted - Held by Trustee	210,660,201	219,203,039	(8,542,838)	216,335,679	219,203,039	(2,867,360)
BOG OMRRF Fund	17,423,213	17,423,213	-	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	2,457,941	1,810,544	647,397	2,045,460	1,810,544	234,916
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	1,995,144	1,048,374	946,770	1,679,553	1,048,374	631,178
USB Series 2014 Refunding Debt Service Reserve Fund	7,736,017	7,735,395	622	7,735,811	7,735,395	417
USB Series 2016 Debt Service Fund	5,567,042	2,815,863	2,751,179	4,649,978	2,815,863	1,834,115
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,556	31,556	-	31,556	31,556	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	3,754,304	1,902,205	1,852,099	3,136,935	1,902,205	1,234,730
USB Series 2020A Debt Service Reserve Fund	10,009,700	6,659,700	3,350,000	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	10	-	10	1,534,066	-	1,534,066
Total Investments	76,165,074	66,616,997	9,548,077	72,086,420	66,616,997	5,469,423
Total Restricted and Unrestricted Cash	358,336,879	358,371,949	(35,071)	358,862,431	358,371,949	490,482

GWA Work Session - January 19, 2021 - DIVISION REPORTS

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

SCHEDULE H-1

A G I N G								
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Autonomous Agencies (Active)								
Guam Int'l Airport Authority	7	\$ 13,550	\$ 25,599	\$ 14,819	\$ 6,144	\$ 237,134	\$	297,245
Guam Power Authority	25	190,523	-	-	-	-		190,523
Guam Memorial Hospital Authority	3	37,473	2,741	2,681	2,498	5,935		51,329
Guam Housing & Urban Renewal Authority	9	9,523	15,773	505	-	-		25,802
Guam Visitors Bureau	1	3,079	-	-	-	-		3,079
Port Authority of Guam	5	1,744	-	-	-	-		1,744
Guam Housing Corporation	1	38	-	-	-	-		38
Total Autonomous Agencies	51	\$ 255,930	\$ 44,114	\$ 18,006	\$ 8,642	\$ 243,068	\$	569,760
		44.92%	7.74%	3.16%	1.52%	42.66%		100.00%
Line Agencies								
Department of Education	52	\$ 220,737	\$ 219,198	\$ 102,918	\$ 10,751	\$ 4,417	\$	558,021
Mayors Council of Guam	60	23,421	28,087	22,755	8,686	66,657		149,607
Department of Parks & Recreation	12	22,737	26,664	23,260	16,975	12,603		102,239
Department of Public Works	12	21,202	23,872	21,827	16,896	7,109		90,906
Department of Corrections	8	57,912	22,049	-	-	-		79,962
Department of Agriculture	6	7,655	7,525	7,133	5,413	21,556		49,282
Department of Chamorro Affairs	7	9,322	10,854	7,112	-	-		27,289
Guam Police Department	8	6,582	6,080	4,532	3,268	1,792		22,254
Guam Fire Department	11	7,261	7,285	2,283	-	-		16,829
Sanctuary Inc	1	2,401	2,998	2,970	-	-		8,369
Department of Public Health & Social Services	8	1,888	2,006	1,604	1,053	1,407		7,958
University of Guam	46	4,234	-	-	-	-		4,234
Department of Military Affairs/GUARNG	1	1,946	2,070	-	-	-		4,016
Guam Solid Waste Authority	2	1,117	1,309	1,234	-	-		3,661
Guam Veterans Affairs Office	2	1,374	1,002	496	-	-		2,872
Office of Technology	1	544	520	369	259	346		2,038
Office of The Governor	2	1,676	-	-	-	-		1,676
Division of Senior Citizens, DPHSS	2	274	369	323	181	339		1,486
Department of Customs & Quarantine	1	428	428	389	-	-		1,245
Office of Civil Defense	2	481	548	-	-	-		1,029
Department of Youth Affairs	3	922	29	-	-	-		951
Guam Public Library	6	845	33	-	-	-		878
Department of Administration	3	414	404	-	-	-		817
Guam Energy Office	1	244	242	238	-	-		724
Department of Agriculture-Fisheries	1	59	87	63	49	293		551
Merizo Mayor's Office	1	58	218	69	32	121		498
Guam Police Department	1	220	264	-	-	-		484
Department of Mental Health And Substance	1	374	-	-	-	-		374
Department of Mental Health	2	289	-	-	-	-		289
The Office of The Dededo Mayor	1	89	96	-	-	-		185
Vietnam Veteran of America	1	88	-	-	-	-		88
Agat Mayor's Office	1	26	26	26	-	-		77
Total Line Agencies	266	\$ 396,820	\$ 364,264	\$ 199,603	\$ 63,564	\$ 116,639	\$	1,140,891
		34.78%	31.93%	17.50%	5.57%	10.22%		100.00%
Total as of December 31, 2020 (Active)	317	\$ 652,751	\$ 408,378	\$ 217,609	\$ 72,205	\$ 359,708	\$	1,710,651
		38.16%	23.87%	12.72%	4.22%	21.03%		100.00%

Guam Waterworks Authority
Accounts Receivable - Government (Active)
November 30, 2020

SCHEDULE H-2

A G I N G								
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Autonomous Agencies (Active)								
Guam Int'l Airport Authority	7	\$ 25,935	\$ 21,918	\$ 6,460	\$ 6,144	\$ 237,441	\$	297,898
Guam Power Authority	25	181,077	7,054	-	-	-		188,131
Guam Housing & Urban Renewal Authority	9	25,416	1,180	505	-	-		27,102
Guam Memorial Hospital Authority	3	4,013	2,681	2,498	5,935	-		15,127
Port Authority of Guam	5	2,313	1,256	-	-	-		3,569
Guam Visitors Bureau	1	3,173	-	-	-	-		3,173
Total Autonomous Agencies	50	\$ 241,928	\$ 34,089	\$ 9,464	\$ 12,079	\$ 237,441	\$	535,000
		45.22%	6.37%	1.77%	2.26%	44.38%		100.00%
Line Agencies								
Department of Education	52	\$ 235,454	\$ 91,603	\$ 10,751	\$ 4,417	\$ -	\$	342,226
Mayors Council of Guam	60	28,087	22,755	8,686	9,206	57,451		126,186
Department of Parks & Recreation	11	43,056	24,191	6,427	5,316	7,287		86,276
Department of Corrections	8	64,108	22,049	-	-	-		86,157
Department of Public Works	12	45,025	18,150	48	61	7,194		70,478
Department of Agriculture	6	7,525	7,133	5,413	4,930	18,121		43,121
Department of Chamorro Affairs	7	10,912	9,331	1,506	-	-		21,749
Guam Police Department	8	7,575	4,955	4,174	3,439	10		20,153
Department of Military Affairs/GUARNG	1	9,969	-	-	-	-		9,969
Guam Fire Department	11	7,285	2,283	-	-	-		9,569
Department of Public Health & Social Services	8	2,006	1,604	1,053	922	485		6,070
Sanctuary Inc	1	2,998	2,970	-	-	-		5,968
University of Guam	46	4,249	-	-	-	-		4,249
Department of Youth Affairs	3	1,046	935	1,224	-	-		3,205
Guam Solid Waste Authority	2	2,522	21	-	-	-		2,544
Guam Veterans Affairs Office	2	1,002	496	-	-	-		1,498
Office of Technology	1	520	369	259	229	117		1,494
Division of Senior Citizens, DPHSS	2	369	323	181	169	170		1,212
Department of Customs & Quarantine	1	428	389	-	-	-		817
Guam Public Library	6	512	213	-	-	-		725
Office of Civil Defense	2	548	-	-	-	-		548
Guam Police Department	1	277	264	-	-	-		541
Department of Agriculture-Fisheries	1	87	63	49	96	197		492
Guam Energy Office	1	481	-	-	-	-		481
Merizo Mayor	1	218	69	32	121	-		440
Department of Administration	2	404	-	-	-	-		404
Department of Mental Health And Substance	1	348	-	-	-	-		348
Department of Mental Health	2	339	-	-	-	-		339
Guam Enviromental Protection Agency	2	208	-	-	-	-		208
The Office of The Dededo Mayor	1	96	-	-	-	-		96
Vietnam Veteran of America	1	80	-	-	-	-		80
Agat Mayor's Office	1	26	26	-	-	-		52
Total Line Agencies	264	\$ 477,762	\$ 210,193	\$ 39,802	\$ 28,906	\$ 91,032	\$	847,695
		56.36%	24.80%	4.70%	3.41%	10.74%		100.00%
Total as of November 30, 2020 (Active)	314	\$ 719,690	\$ 244,282	\$ 49,266	\$ 40,985	\$ 328,473	\$	1,382,695
		52.05%	17.67%	3.56%	2.96%	23.76%		100.00%

GWA Work Session - January 19, 2021 - DIVISION REPORTS

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

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	443	\$ 2,450,376	\$ 399,766	\$ 213,132	\$ 35,710	\$ 472,422	\$ 3,571,406	16%	
Agriculture	395	31,088	9,336	3,364	3,791	53,695	101,274	0%	
Commercial I	2,636	1,179,806	177,073	57,511	32,049	398,340	1,844,780	8%	
Commercial II	29	121,788	4,766	62	-	208,582	333,198	2%	
Commercial III	297	713,664	118,881	21,274	15,517	354,296	1,223,631	6%	
Golf Course	16	2,007	576	-	-	-	2,584	0%	
Hotel	59	1,200,338	127,227	161,266	111,164	659,261	2,259,257	10%	
Irrigation	33	3,110	303	234	171	1,899	5,717	0%	
Residential	49,763	4,474,661	965,465	706,597	528,078	5,769,921	12,444,719	57%	
	53,671	10,176,838	1,803,394	1,163,441	726,480	7,916,415	21,786,566	100%	
		47%	8%	5%	3%	36%			

Less Allowance for Doubtful Accounts: (8,503,526)
Net Accounts Receivable: **13,283,040**

Days Receivables Outstanding 50

As of November 30, 2020

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	442	\$ 2,424,297	\$ 261,073	\$ 57,226	\$ 48,620	\$ 434,319	\$ 3,225,535	15%	
Agriculture	393	35,538	8,976	5,101	3,457	55,297	108,368	0%	
Commercial I	2,640	1,383,384	139,047	70,647	41,653	449,091	2,083,823	9%	
Commercial II	28	210,837	12,192	11,054	12,133	259,163	505,379	2%	
Commercial III	298	724,181	43,426	25,922	20,914	362,507	1,176,950	5%	
Golf Course	16	1,861	364	-	-	-	2,225	0%	
Hotel	59	1,141,303	161,266	111,164	238,388	535,303	2,187,425	10%	
Irrigation	33	4,648	439	171	1,461	553	7,272	0%	
Residential	49,670	4,922,900	1,036,643	652,888	521,582	5,569,094	12,703,105	58%	
	53,579	10,848,949	1,663,427	934,174	888,208	7,665,326	22,000,081	100%	
		49%	8%	4%	4%	35%			

Less Allowance for Doubtful Accounts: (8,352,533)
Net Accounts Receivable: **13,647,548**

Days Receivables Outstanding 49

ACTIVE ONLY

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 2,450,321	\$ 388,927	\$ 204,886	\$ 31,936	\$ 465,317	\$ 3,541,386	20%	
Agriculture	374	31,088	9,084	3,311	2,315	13,098	58,896	0%	
Commercial I	2,423	1,175,140	173,985	53,854	28,094	214,626	1,645,699	9%	
Commercial II	28	121,788	4,766	62	-	-	126,616	1%	
Commercial III	281	713,424	117,616	20,587	15,463	279,867	1,146,956	7%	
Golf Course	16	2,007	576	-	-	-	2,584	0%	
Hotel	56	1,200,338	127,227	161,266	111,164	534,841	2,134,837	12%	
Irrigation	32	3,110	303	234	171	604	4,422	0%	
Residential	39,846	4,447,591	931,630	665,131	485,581	2,188,565	8,718,497	50%	
	43,490	10,144,807	1,754,114	1,109,331	674,724	3,696,917	17,379,893	100%	
		58%	10%	6%	4%	21%			

Less Allowance for Doubtful Accounts: (8,503,526)
Net Accounts Receivable: **8,876,367**

As of November 30, 2020

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	432	\$ 2,412,827	\$ 252,827	\$ 53,452	\$ 48,620	\$ 427,214	\$ 3,194,940	18%	
Agriculture	372	35,286	8,923	3,624	3,457	14,150	65,440	0%	
Commercial I	2,424	1,379,082	135,519	64,938	37,482	265,161	1,882,181	11%	
Commercial II	27	210,837	12,192	11,054	12,133	52,581	298,797	2%	
Commercial III	284	723,034	42,403	20,914	24,919	288,112	1,099,381	6%	
Golf Course	16	1,861	364	-	-	-	2,225	0%	
Hotel	56	1,141,303	161,266	111,164	238,388	410,882	2,063,004	12%	
Irrigation	32	4,648	439	171	166	553	5,977	0%	
Residential	39,809	4,856,901	999,998	615,879	483,680	2,037,045	8,993,502	51%	
	43,452	10,765,779	1,613,930	885,202	844,840	3,495,698	17,605,448	100%	
		61%	9%	5%	5%	20%			

Less Allowance for Doubtful Accounts: (8,352,533)
Net Accounts Receivable: **9,252,915**

GUAM WATERWORKS AUTHORITY
Accounts Payable Aging

SCHEDULE J

<u>As of</u>	<u>AGING</u>							<u>Days Payable Outstanding</u>
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days	Total		
December 31, 2020	\$ 1,835,615 75%	\$ 147,584 6%	\$ 36,547 1%	\$ 57,911 2%	\$ 381,242 16%	\$ 2,458,900 100%		33
November 30, 2020	\$ 1,840,702 68%	\$ 58,635 2%	\$ 294,325 11%	\$ 23,281 1%	\$ 493,971 18%	\$ 2,710,914 100%		31
October 31, 2020	\$ 1,807,095 60%	\$ 595,144 20%	\$ 53,223 2%	\$ 201,973 7%	\$ 376,471 12%	\$ 3,033,906 100%		36

GUAM WATERWORKS AUTHORITY
WATER DEMAND BY RATE CLASS
FY2015 - FY2021

SCHEDULE K

As of December 31, 2020

CLASS	AUDITED						UNAUDITED			
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	1%	3,712,723	11%	3,615,910	-3%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	-1%	822,029	-9%	704,289	-14%
F Federal	1,168	1,180	2,508	1,813	1,602	-12%	1,338	-16%	1,842	38%
G Government	515,974	475,366	448,430	450,165	405,980	-10%	408,502	1%	369,643	-10%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	9%	714,161	-34%	406,941	-43%
G Golf	6,850	6,770	5,252	2,741	2,793	2%	5,835	109%	2,002	-66%
A Agriculture	67,376	78,628	69,482	81,127	90,803	12%	84,492	-7%	51,030	-40%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	-7%	<u>8,654</u>	10%	6,152	-29%
GRAND TOTAL	<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	2%	<u>5,757,733</u>	-2%	<u>5,157,810</u>	-10%

As of November 30, 2020

CLASS	AUDITED						UNAUDITED			
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	1%	3,712,723	11%	3,733,838	1%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	-1%	822,029	-9%	730,771	-11%
F Federal	1,168	1,180	2,508	1,813	1,602	-12%	1,338	-16%	1,864	39%
G Government	515,974	475,366	448,430	450,165	405,980	-10%	408,502	1%	375,470	-8%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	9%	714,161	-34%	398,381	-44%
G Golf	6,850	6,770	5,252	2,741	2,793	2%	5,835	109%	2,254	-61%
A Agriculture	67,376	78,628	69,482	81,127	90,803	12%	84,492	-7%	53,779	-36%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	-7%	<u>8,654</u>	10%	<u>7,115</u>	-18%
GRAND TOTAL	<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	2%	<u>5,757,733</u>	-2%	<u>5,303,473</u>	-8%



Financial Statement Overview November 2020

There were 2,171 COVID-19 positive tests and 33 COVID-related fatalities reported during the month of November. Executive Order 2020-41 extended the public health emergency from November 29, 2020 to December 29, 2020. In early November, the Governor introduced the *Strive for Five* campaign to bring down our CAR (COVID Area Risk) score from 9.8 to 5 or less in hopes of moving the community towards some semblance of normalcy by Christmas. On November 30, 2020, the island's CAR score was at 4.2 and mass testing was available to the public at no charge at various locations throughout the island. Arrival of the COVID vaccine in December provides another tool that will lead to the reopening of the economy.

Due to large clusters of positive cases in the construction industry in early November, Department of Public Health had called a temporary shutdown of construction activities beginning November 14 requiring companies to submit COVID-19 plans before returning to their projects.

The Upper Tumon Office was closed on Friday, November 21 following the positive testing of an employee; the office reopened the following Monday. Strict protocols are followed to ensure safety of staff and customers. GWA cashier and customer service representative stations continue to be open to the public. Operations employees have been reporting to work observing safety precautions, while most other employees are teleworking.

About a third of customers continue to make payments in person. Using social media, GWA continues to encourage customers to conduct business online or via the phone. As part of this effort, GWA joined the *Going Online Together* campaign in June with several other organizations. Additionally, CARES funding was approved to customize an automated customer service online support portal on the GWA website.

On April 28th, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. Below is a summary of payments made and related fees exceeding the limit.

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October 2020	33	\$62,173	\$1,250	2.01%
November 2020	23	\$47,555	\$956	2.01%

Year to Date consumption is 12% lower than last year while daily water consumption for the period is down 10% from 16,130 to 14,490 Kgals. Although residential consumption is up 7% for water and 1% for wastewater, reductions in commercial and hotel of 41% in water demand and 39% in wastewater flows offset those increases.

For the month of November, water consumption was down 15% and wastewater consumption was down 6% partially due to reduction of 3 days billed this year compared to last. While daily water consumption for residents increased by 8.2%, overall daily water consumption was down by 7.3%.

While some businesses and restaurants have shuttered, Governor Leon Guerrero posited that Guam could reopen to tourism in the first quarter of calendar 2021. Guam Visitors Bureau believes that the island could start seeing arrivals from around March to June 2021, but the 'significant' numbers aren't expected until July



to September. GVB is exploring the possibility of a travel bubble arrangement with Taiwan. The Governor will be visiting Taiwan next year to help boost this plan. Meanwhile, most airlines have suspended flights to Guam until next year.

Schools continue to remain closed during PCOR 1. This impacts demand as GDOE has been one of GWA's top ten customers for both water and wastewater services. GDOE may have a limited opening of its elementary schools for in person classes in January; UOG and GCC are also considering reopening in a limited fashion. See Schedule K for Water Demand for FY2015 to FY2021.

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

Balance Sheet

- Total Assets & Deferred Outflows of Resources of \$1.129B in September 2020 decreased by \$3.3M or less than 1% to \$1.126B in November 2020. Current Assets decreased by \$2.5M primarily due to reductions in cash and federal receivables. Property, Plant and Equipment decreased by \$3.1M as accumulated depreciation increases outpaced increases in plant. Other Noncurrent Assets increased by \$2.6M primarily due to increases in investment balances. Cash on hand was calculated at 268 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$869.9M in September 2020 decreased by \$5.4M or 1% to \$864.5M in November 2020 primarily due to reductions in contractors payable offset by increases in interest payable.
- Accounts Receivable days were 49 in November 2020 and October 2020 and Accounts Payable days were 31 in November 2020 as compared to 36 in October 2020.

Statement of Operations and Retained Earnings

- Total Operating Revenues for November 2020 of \$8.2M were 13% or \$1.2M less than budget and 17% or \$1.6M less than November 2019 due to the impact of the COVID-19 public health emergency and offset by the 5% increase effective in March and October 2020.
- Year to Date Operating Revenues as of November 2020 of \$16.4M were also 13% below budget and prior year or \$2.5M less than budget and \$2.5M less than last year as well.
- Below is the percentage of operating revenues (water and wastewater) contributed by GWA's customer classes for the two months ended November 2020:

○ Residential	51.08%
○ Commercial	20.65%
○ Hotel	11.87%
○ Government of Guam	9.66%
○ Federal Government	6.26%
○ Agriculture, Golf Course, Irrigation	0.48%



- Total Operating Expenses for November 2020 of \$7.0M were \$499K or 7% lower than budget. Total Operating Expenses for November 2020 were 2% or \$160.5K less than November 2019 with decreases in most expense categories.
- Year to Date Operating Expenses at November 2020 of \$13.8M were \$1.1M or 8% lower than budget. Year to Date Operating Expenses at November 2020 were \$537K or 4% less than last year's \$14.3M.
- Earnings from Operations for November 2020 of \$1.3M were 37% or \$740K less than budget and 54% or \$1.5M less than November 2019. Change in Net Assets for November 2020 of -\$3.3M were \$525K more than the \$2.8M budget mainly due to \$1.4M more in Grants offset by \$833K more in Non-Operating Expenses and 931K more than November 2019 due to \$3.2M more in grants offset by \$813K more in Non-Operating Expenses.
- Year to Date Earnings from Operations as of November 2020 of \$2.6M were 35% or \$1.4M less than budget and 43% or \$1.9 less than YTD Earnings as of November 2019. Year to Date Change in Net Assets as of November 2020 of \$2.1M were \$3.5M or 63% less than budget. Year to Date Change in Net Assets as of November 2020 were \$595K or 22% less than YTD as of November 2019 mainly due to \$3.2M more in Grants offset by \$1.9M more in Non-Operating Expenses.

Key Financial Indicators

Indicator	Target	October 2020	November 2020
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.38	1.30
• Per PUC / CCU	1.40	1.38	1.30
Days – Cash on Hand	120 days	271 days	268 days
Collection Ratio			
• Month to Date	99%	90%	87%
• Year to Date	99%	90%	89%
Days Billed	30 days	30 days	31 days
Account Receivable Days	30 days	49 days	49 days
Account Payable Days	45 days	36 days	31 days
Employee Count	400 FTE	376 FTE	374 FTE
Water Demand			
• Month to Date	478,754	435,500	448,412
• Year to Date	957,508	435,500	883,912
Wastewater Flow			
• Month to Date	356,472	316,069	317,558
• Year to Date	712,945	316,069	633,627
Water Customers	42,839	42,919	42,978
Wastewater Customers	29,805	29,259	29,403

GUAM WATERWORKS AUTHORITY
November 30, 2020
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY

Balance Sheet
November 30, 2020

SCHEDULE A

	Unaudited November 30, 2020	Unaudited September 30, 2020	Increase (Decrease)
ASSETS AND DEFERRED OUTFLOWS of RESOURCES			
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule G)	41,612,748	42,479,412	(866,663)
Restricted Funds (Schedule G)	28,827,584	30,072,502	(1,244,918)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$8,352,533 at Nov 30, 2020 and \$8,027,857 at Sep 30, 2020	13,647,548	12,562,276	1,085,272
Federal Receivable	6,926,819	8,168,373	(1,241,555)
Other Receivable	893,795	901,928	(8,132)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Nov 30, 2020 and \$64,131 at Sep 30, 2020	4,553,736	4,804,463	(250,726)
Total Current Assets	96,462,230	98,988,953	(2,526,722)
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	378,645,875	378,487,752	158,123
Wastewater system	480,533,485	480,533,485	-
Non-utility property	25,752,939	25,752,939	-
Total property	884,932,299	884,774,176	158,123
Less: Accumulated Depreciation	(347,350,430)	(343,114,822)	(4,235,607)
Land	5,240,187	5,240,187	-
Construction Work in Progress	146,358,882	145,342,590	1,016,291
Property, Plant and Equipment, net	689,180,939	692,242,131	(3,061,192)
<u>Other noncurrent assets and deferred charges</u>			
Restricted cash (Schedule G)	216,335,679	219,203,039	(2,867,360)
Investments (Schedule G)	72,086,420	66,616,997	5,469,423
Other Prepaid Expenses	2,410,252	2,615,782	(205,529)
Regulatory Assets	609,502	430,962	178,540
Total other noncurrent assets and deferred charges	291,441,853	288,866,779	2,575,074
Total Assets	1,077,085,022	1,080,097,863	(3,012,840)
Deferred outflows of resources			
Debt defeasance due to bond refunding	33,007,607	33,351,801	(344,194)
Deferred outflows from pension	9,057,499	9,057,499	-
Deferred outflows from OPEB	6,982,196	6,982,196	-
Total Assets and Deferred Outflows of Resources	1,126,132,325	1,129,489,360	(3,357,034)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,695,000	295,000
Series 2014 Refunding Bond	530,000	3,760,000	(3,230,000)
Series 2016 Revenue Bond	3,860,000	420,000	3,440,000
Series 2017 Refunding Bond	2,040,000	-	2,040,000
Accounts Payable -Trade	2,711,351	2,701,944	9,408
Accrued and Other Liabilities	1,056,005	1,238,863	(182,858)
Interest Payable	11,423,876	6,304,598	5,119,279
Accrued Payroll and Employee Benefits	623,889	354,780	269,109
Current portion of employee annual leave	521,641	616,114	(94,473)
Contractors' Payable	12,993,444	23,311,295	(10,317,851)
Customer and Other Deposits	2,169,858	2,199,462	(29,605)
Total Current Liabilities	40,920,063	43,602,055	(2,681,992)
<u>Long Term Debt, less current maturities</u>			
Series 2013 Revenue Bond	24,350,000	24,645,000	(295,000)
Series 2014 Refunding Bond	64,610,000	61,380,000	3,230,000
Series 2016 Revenue Bond	139,030,000	142,470,000	(3,440,000)
Series 2017 Refunding Bond	105,325,000	107,365,000	(2,040,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	42,202,825	42,515,523	(312,698)
Net pension liability	49,593,171	49,593,171	-
Net OPEB obligation	62,656,405	62,656,405	-
Employee Annual Leave, Less Current Portion	1,273,668	1,179,195	94,473
Employee Sick Leave	1,226,702	1,226,702	-
Total Liabilities	831,262,834	836,708,051	(5,445,217)
Deferred inflows of resources:			
Contribution in Aid of Construction	67,608	67,608	-
Deferred inflows from pension	1,444,744	1,444,744	-
Deferred inflows from OPEB	31,758,062	31,758,062	-
Total Liabilities and Deferred Inflows of Resources	864,533,249	869,978,465	(5,445,217)
Net Assets	261,599,076	259,510,894	2,088,182
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,126,132,325	1,129,489,360	(3,357,035)

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending November 30, 2020

SCHEDULE B

	Month to Date		Variance
	Budget*	Actual (Unaudited)	Favorable /
	November-20	November-20	(Unfavorable)
OPERATING REVENUES			
Water Revenues	5,863,373	5,391,681	(471,692)
Wastewater Revenues	3,226,426	2,543,339	(683,087)
Legislative Surcharge	274,214	241,641	(32,574)
Other Revenues	35,895	42,834	6,939
System Development Charge	77,442	18,923	(58,519)
Total Operating Revenues	9,477,350	8,238,418	(1,238,932)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	718,609	622,223	96,386
Power Purchases	1,082,131	992,697	89,435
Total Utility Costs	1,800,740	1,614,919	185,821
Salaries and Wages	1,769,221	1,550,587	218,634
Pension and Benefits	606,991	583,596	23,395
Total Salaries and Benefits	2,376,212	2,134,183	242,029
Capitalized Labor and Benefits	(308,333)	(250,364)	(57,969)
Net Salaries and Benefits	2,067,879	1,883,819	184,059
Administrative and General Expenses			
Sludge removal	116,907	96,344	20,563
Chemicals	166,196	121,860	44,336
Materials & Supplies	182,935	148,214	34,721
Transportation	52,298	51,930	368
Communications	18,028	17,652	377
Claims	5,181	-	5,181
Insurance	78,685	78,330	355
Training & Travel	29,321	10,400	18,921
Advertising	11,346	2,222	9,124
Miscellaneous	89,396	75,425	13,971
Regulatory Expense	24,155	16,913	7,241
Bad Debts Provision	164,113	163,536	577
Total Administrative and General Expense	938,561	782,826	155,735
Depreciation Expense	1,855,919	2,118,121	(262,202)
Contractual Expense			
Audit & Computer Maintenance	102,904	101,629	1,275
Building rental	51,352	51,012	340
Equipment rental	67,524	22,147	45,377
Legal	563	-	563
Laboratory	35,382	4,370	31,012
Other	267,774	131,280	136,495
Total Contractual Expense	525,500	310,437	215,062
Retiree Supp. Annuities and health care costs	233,386	210,987	22,398
Contribution to Government of Guam	48,546	50,333	(1,787)
Total Retiree Benefits	281,932	261,321	20,611
Total Operating Expenses	7,470,530	6,971,444	499,087
Earnings (Loss) from Operations	2,006,820	1,266,974	(739,845)
Interest Income - 2010/13/14/16/17/20 Series Bond	128,299	2,360	(125,940)
Interest Income - Other Funds	29,550	614	(28,936)
Interest Income - SDC	2,488	2,385	(103)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,638,329)	(2,559,639)	78,690
Federal Expenditures	-	(46,499)	(46,499)
Amortization of Discount, Premium and Issuance Costs	(23,078)	156,349	179,427
Defeasance due to bond refunding	(22,439)	(172,097)	(149,658)
Total non-operating revenues (expenses)	(2,523,508)	(2,616,527)	(93,019)
Net Income (Loss) before capital contributions	(516,688)	(1,349,553)	(832,865)
Capital Contributions			
Grants from US Government	3,311,071	4,669,080	1,358,009
Total Capital Contributions	3,311,071	4,669,080	1,358,009
Change in Net Assets	2,794,383	3,319,527	525,144
Debt Service Calculation			
Earnings From Operations	2,006,820	1,266,974	
System Development Charge	(77,442)	(18,923)	
Retiree COLA	48,546	50,333	
Interest/Investment Income	29,550	614	
Depreciation	1,855,919	2,118,121	
Balance Available for Debt Service per Section 6.12	3,863,393	3,417,120	
Debt Service			
Principal	772,500	772,500	
Interest	1,996,663	1,847,251	
Total	2,769,163	2,619,751	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.30	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.30	

*Adjusted budget

GWA Work Session - January 19, 2021 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending November 30, 2020 and 2019

SCHEDULE C

	Month to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	November-20	November-19	(Decrease)
OPERATING REVENUES			
Water Revenues	5,391,681	6,083,338	(691,657)
Wastewater Revenues	2,543,339	3,411,853	(868,515)
Legislative Surcharge	241,641	310,948	(69,308)
Other Revenues	42,834	33,699	9,135
System Development Charge	18,923	27,750	(8,827)
Total Operating Revenues	8,238,418	9,867,589	(1,629,170)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	622,223	471,939	150,284
Power Purchases	992,697	1,384,003	(391,306)
Total Utility Costs	1,614,919	1,855,942	(241,023)
Salaries and Wages	1,550,587	1,586,637	(36,050)
Pension and Benefits	583,596	504,296	79,300
Total Salaries and Benefits	2,134,183	2,090,933	43,250
Capitalized Labor and Benefits	(250,364)	(275,716)	25,352
Net Salaries and Benefits	1,883,819	1,815,217	68,602
Administrative and General Expenses			
Sludge removal	96,344	114,340	(17,996)
Chemicals	121,860	169,618	(47,759)
Materials & Supplies	148,214	155,494	(7,280)
Transportation	51,930	29,942	21,988
Communications	17,652	12,515	5,137
Claims	-	8,500	(8,500)
Insurance	78,330	78,085	245
Training & Travel	10,400	6,672	3,728
Advertising	2,222	907	1,315
Miscellaneous	75,425	71,850	3,575
Regulatory Expense	16,913	8,319	8,595
Bad Debts Provision	163,536	196,075	(32,539)
Total Administrative and General Expense	782,826	852,317	(69,491)
Depreciation Expense	2,118,121	2,000,129	117,992
Contractual Expense			
Audit & Computer Maintenance	101,629	49,684	51,945
Building rental	51,012	34,819	16,193
Equipment rental	22,147	45,455	(23,308)
Legal	-	1,200	(1,200)
Laboratory	4,370	50,976	(46,606)
Other	131,280	184,392	(53,112)
Total Contractual Expense	310,437	366,526	(56,088)
Retiree Supp. Annuities and health care costs	210,987	191,480	19,507
Contribution to Government of Guam	50,333	50,334	(1)
Total Retiree Benefits	261,321	241,814	19,506
Total Operating Expenses	6,971,444	7,131,946	(160,502)
Earnings (Loss) from Operations	1,266,974	2,735,643	(1,468,669)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,360	202,156	(199,797)
Interest Income - Other Funds	614	56,767	(56,153)
Interest Income - SDC	2,385	12,255	(9,870)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,559,639)	(2,117,099)	(442,540)
Interest Expense - ST BOG	-	(8,238)	8,238
Federal Expenditures	(46,499)	-	(46,499)
Amortization of Discount, Premium and Issuance Costs	156,349	119,970	36,379
Defeasance due to bond refunding	(172,097)	(68,976)	(103,121)
Total non-operating revenues (expenses)	(2,616,527)	(1,803,164)	(813,363)
Net Income (Loss) before capital contributions	(1,349,553)	932,479	(2,282,032)
Capital Contributions			
Grants from US Government	4,669,080	1,455,906	3,213,174
Total Capital Contributions	4,669,080	1,455,906	3,213,174
Change in Net Assets	3,319,527	2,388,384	931,142
Debt Service Calculation			
Earnings From Operations	1,266,974	2,735,643	
System Development Charge	(18,923)	(27,750)	
Retiree COLA	50,333	50,334	
Interest/Investment Income	614	56,767	
Depreciation	2,118,121	2,000,129	
Balance Available for Debt Service per Section 6.12	3,417,120	4,815,123	
Working Capital Reserve Available for Debt Service	-	-	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	3,417,120	4,815,123	
Debt Service			
Principal	772,500	730,833	
Interest	1,847,251	2,117,099	
Total	2,619,751	2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.30	1.69	
Debt Service Coverage (1.40X) (PUC)	1.30		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.69	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending November 30, 2020

SCHEDULE D

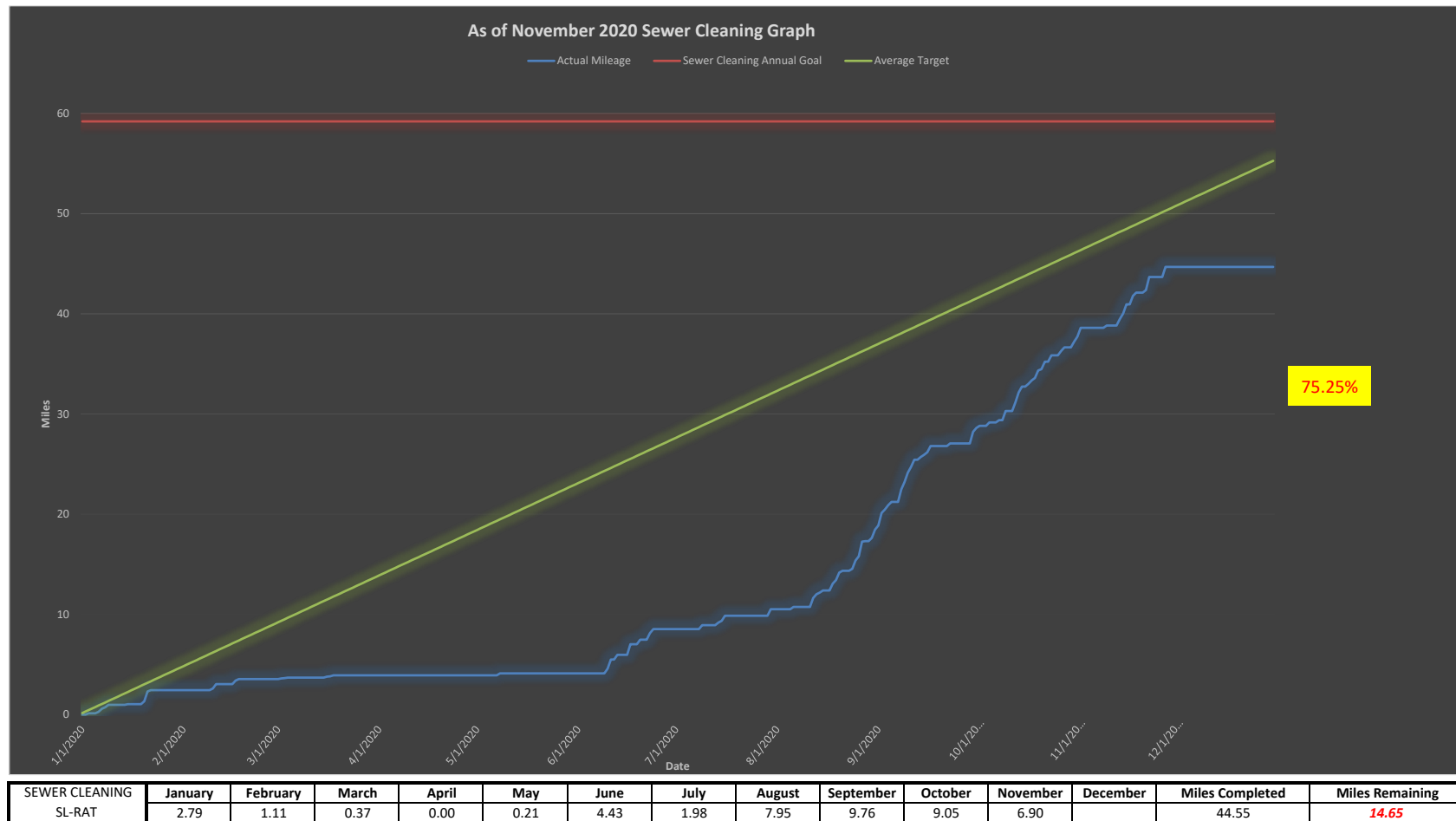
	Year to Date Budget* November-20	Actual (Unaudited) November-20	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	11,726,746	10,632,593	(1,094,154)
Wastewater Revenues	6,452,851	5,123,371	(1,329,480)
Legislative Surcharge	548,428	477,743	(70,685)
Other Revenues	71,790	59,745	(12,044)
System Development Charge	154,884	118,701	(36,183)
Total Operating Revenues	18,954,700	16,412,153	(2,542,546)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,437,218	1,244,445	192,772
Power Purchases	2,164,263	1,981,398	182,865
Total Utility Costs	3,601,481	3,225,843	375,637
Salaries and Wages	3,538,441	3,097,748	440,693
Pension and Benefits	1,213,983	1,172,057	41,926
Total Salaries and Benefits	4,752,424	4,269,805	482,620
Capitalized Labor and Benefits	(616,667)	(583,139)	(33,528)
Net Salaries and Benefits	4,135,757	3,686,666	449,092
Administrative and General Expenses			
Sludge removal	263,814	223,869	39,945
Chemicals	393,391	326,769	66,622
Materials & Supplies	345,871	199,709	146,162
Transportation	90,595	90,161	434
Communications	29,057	28,268	789
Claims	10,361	-	10,361
Insurance	156,871	156,661	210
Training & Travel	9,142	7,757	1,385
Advertising	22,692	6,892	15,800
Miscellaneous	178,792	158,422	20,371
Regulatory Expense	48,309	25,872	22,438
Bad Debts Provision	328,226	324,674	3,552
Total Administrative and General Expense	1,877,122	1,549,053	328,068
Depreciation Expense	3,711,839	4,235,607	(523,769)
Contractual Expense			
Audit & Computer Maintenance	207,808	206,960	848
Building rental	88,704	88,483	221
Equipment rental	147,048	74,534	72,514
Legal	1,125	-	1,125
Laboratory	70,765	11,870	58,894
Other	535,549	215,950	319,599
Total Contractual Expense	1,050,999	597,797	453,202
Retiree Supp. Annuities and health care costs	466,771	412,260	54,511
Contribution to Government of Guam	97,092	100,667	(3,575)
Total Retiree Benefits	563,863	512,927	50,936
Total Operating Expenses	14,941,061	13,807,894	1,133,167
Earnings (Loss) from Operations	4,013,639	2,604,260	(1,409,379)
Interest Income - 2010/13/14/16/17/20 Series Bond	256,599	4,478	(252,121)
Interest Income - Other Funds	59,101	1,214	(57,886)
Interest Income - SDC	4,975	10,366	5,391
Interest Expense - 2010/13/14/16/17/20 Series Bond	(5,276,658)	(5,119,279)	157,380
Federal Expenditures	-	(55,797)	(55,797)
Amortization of Discount, Premium and Issuance Costs	(46,155)	310,948	357,103
Defeasance due to bond refunding	(44,877)	(344,194)	(299,317)
Total non-operating revenues (expenses)	(5,047,016)	(5,192,263)	(145,248)
Net Income (Loss) before capital contributions	(1,033,377)	(2,588,004)	(1,554,627)
Capital Contributions			
Grants from US Government	6,622,143	4,669,080	(1,953,063)
Grants from GovGuam & Others	-	7,106	7,106
Total Capital Contributions	6,622,143	4,676,186	(1,945,957)
Change in Net Assets	5,588,766	2,088,182	(3,500,584)
Debt Service Calculation			
Earnings From Operations	4,013,639	2,604,260	
System Development Charge	(154,884)	(118,701)	
Retiree COLA	97,092	100,667	
Interest/Investment Income	59,101	1,214	
Depreciation	3,711,839	4,235,607	
Balance Available for Debt Service per Section 6.12	7,726,786	6,823,047	
Debt Service			
Principal	1,545,000	1,545,000	
Interest	3,993,325	3,694,503	
Total	5,538,325	5,239,503	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.30	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.30	

*Adjusted budget

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending November 30, 2020 and 2019

SCHEDULE E

	Year to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	November-20	November-19	(Decrease)
OPERATING REVENUES			
Water Revenues	10,632,593	11,584,547	(951,954)
Wastewater Revenues	5,123,371	6,539,923	(1,416,551)
Legislative Surcharge	477,743	595,809	(118,066)
Other Revenues	59,745	70,607	(10,862)
System Development Charge	118,701	89,938	28,763
Total Operating Revenues	16,412,153	18,880,824	(2,468,671)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,244,445	943,878	300,567
Power Purchases	1,981,398	2,715,318	(733,920)
Total Utility Costs	3,225,843	3,659,196	(433,353)
Salaries and Wages	3,097,748	3,247,633	(149,885)
Pension and Benefits	1,172,057	1,051,396	120,661
Total Salaries and Benefits	4,269,805	4,299,029	(29,224)
Capitalized Labor and Benefits	(583,139)	(551,432)	(31,707)
Net Salaries and Benefits	3,686,666	3,747,597	(60,931)
Administrative and General Expenses			
Sludge removal	223,869	232,345	(8,476)
Chemicals	326,769	359,222	(32,453)
Materials & Supplies	199,709	318,948	(119,239)
Transportation	90,161	71,838	18,323
Communications	28,268	26,328	1,940
Claims	-	8,500	(8,500)
Insurance	156,661	155,946	715
Training & Travel	7,757	18,748	(10,991)
Advertising	6,892	2,191	4,701
Miscellaneous	158,422	125,442	32,980
Regulatory Expense	25,872	19,672	6,200
Bad Debts Provision	324,674	376,569	(51,894)
Total Administrative and General Expense	1,549,053	1,715,748	(166,694)
Depreciation Expense	4,235,607	3,997,834	237,773
Contractual Expense			
Audit & Computer Maintenance	206,960	95,916	111,044
Building rental	88,483	70,604	17,879
Equipment rental	74,534	167,695	(93,160)
Laboratory	11,870	61,373	(49,503)
Other	215,950	347,567	(131,617)
Total Contractual Expense	597,797	743,154	(145,357)
Retiree Supp. Annuities and health care costs	412,260	380,990	31,270
Contribution to Government of Guam	100,667	100,668	(1)
Total Retiree Benefits	512,927	481,658	31,269
Total Operating Expenses	13,807,894	14,345,186	(537,292)
Earnings (Loss) from Operations	2,604,260	4,535,638	(1,931,379)
Interest Income - 2010/13/14/16/17/20 Series Bond	4,478	431,783	(427,305)
Interest Income - Other Funds	1,214	116,561	(115,347)
Interest Income - SDC	10,366	25,446	(15,080)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(5,119,279)	(4,234,198)	(885,081)
Interest Expense - ST BOG	-	(11,574)	11,574
Federal Expenditures	(55,797)	-	(55,797)
Amortization of Discount, Premium and Issuance Costs	310,948	239,940	71,008
Defeasance due to bond refunding	(344,194)	(137,951)	(206,243)
Prior Year Adjustment	-	261,860	(261,860)
Total non-operating revenues (expenses)	(5,192,263)	(3,308,133)	(1,884,130)
Net Income (Loss) before capital contributions	(2,588,004)	1,227,505	(3,815,509)
Capital Contributions			
Grants from US Government	4,669,080	1,455,906	3,213,174
Grants from GovGuam & Others	7,106	-	7,106
Total Capital Contributions	4,676,186	1,455,906	3,220,280
Change in Net Assets	2,088,182	2,683,411	(595,229)
Debt Service Calculation			
Earnings From Operations	2,604,260	4,535,638	
System Development Charge	(118,701)	(89,938)	
Retiree COLA	100,667	100,668	
Interest/Investment Income	1,214	116,561	
Depreciation	4,235,607	3,997,834	
Balance Available for Debt Service per Section 6.12	6,823,047	8,660,763	
Working Capital Reserve Available for Debt Service	-	1,932,600	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	6,823,047	10,593,363	
Debt Service			
Principal	1,545,000	1,461,667	
Interest	3,694,503	4,234,198	
Total	5,239,503	5,695,865	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.30	1.52	
Debt Service Coverage (1.40X) (PUC)	1.30		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.86	



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

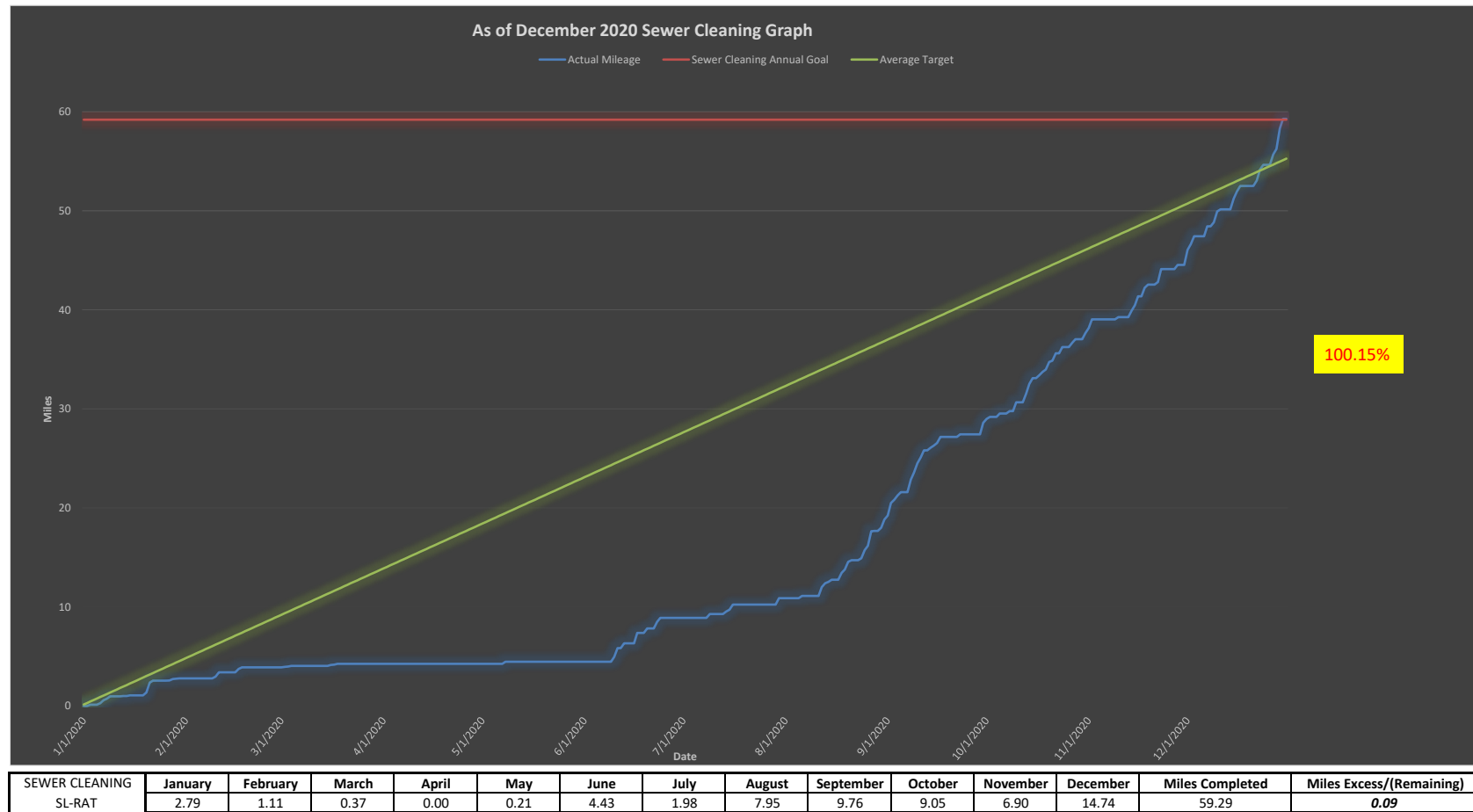
59.2 miles x 5 years = 296 miles

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

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

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

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



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

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

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

GWA Work Session - January 19, 2021 - DIVISION REPORTS

Guam Waterworks Authority		Date:	1/12/2021	 WASTEWATER FACILITIES REPORT
REVIEWS				
TOTAL PUMPS INSTALLED	171	OVERALL AVERAGE	89%	
TOTAL PUMPS OPERATIONAL	153	% OF OPERATING PUMPS	89%	
TOTAL PUMP STATIONS	77			

Northern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	3	75%	GPA	A	P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs		Pending new pumps which are part of the Northern Treatment	
2	FUJITA	1	4	3	75%	GPA	A	P#2 was removed 10-29-20 due to bearings issues. Pump at vendor pending repairs.					
3	YPAO	1	2	2	100%	GPA	A	P#2 In for repairs @ JMI; utilizing Machanao pump and volute on line 2.					
4	PASEO DE ORO	1	2	2	100%	GPA	A						
5	HARMON	2	2	2	100%	GPA	A						
6	ROUTE 16	1	4	2	50%	GPA	M	P#4 secured, P#3 secured due to flapper in check valve loose.				(OR 36249) - Check Valves (OR 36239) - Plug Valves	
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A	P#2 Awaiting Repairs @ Shop, P#2 installed 04-22-2020 pump came from station 11					
8	LATTE SUN RISE	2	2	2	100%	GPA	A						
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A						
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	2	100%	GPA	A						
13	Hafa ADAI	2	2	2	100%	GPA	A						
14	YPAOPAO	1	3	3	100%	GPA	N/A						
15	PACIFIC LATTE	2	2	2	100%	GPA	A						
16	YIGO	1	3	3	100%	GPA	A	Electrician secured P#3 due to light on on mini CAS (Temperature).					
17	ZERO DOWN	2	2	2	100%	GPA	A						
18	SANTA ANA	2	2	1	50%	GPA	A	P#2 burnt, in for rewinding	20-07-2324			Pending PO (OR36405)	
19	MACHANAONAO	1	2	2	100%	GPA	N/A	P#1 and volute being utilized at Ypao pump station, new pump installed					
20	FEMA 96	2	2	2	100%	GPA	A	Pumps 1&2 removed awaiting rewinding. Utilizing pumps from Hafa Adai and Old Station 13 pump (BIG BLUE)					
21	ASTUMBO 1	2	2	2	100%	GPA	A						
22	ASTUMBO 2	2	2	2	100%	GPA	A						
Total	22		52	47	90%								

GWA Work Session - January 19, 2021 - DIVISION REPORTS

Central District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	M						
2	COMMERCIAL PORT	1	3	3	100%	OP	A	P# 3 pump works, Standby					
3	PITI	1	2	2	100%	GPA	A						
4	ASAN	1	2	2	100%	GPA	A						
5	SINAJANA	2	2	2	100%	GPA	A						
6	NEW CHAOT	1	3	3	100%	OP	A	Pump #1 was secured 12-12-20 due to fan motor on VFD is defective. Pending replacement from IT.					
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	2	100%	OP	A						
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	2	100%	INOP	A						
12	DOUBLE SHAFT	1	3	2	67%	OP	A	Pump 2 removed due to impeller broke/Shaft worn				CIP write up for new pump/motor completed. At procurement pending review	
13	NAMU	2	1	1	100%	OP	A						
14	TAI MANGILAO	1	3	2	67%	GPA	A	P3 secured due to moisture sensor.	20-03-0868			Pending PO (OR 36406)	
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	pump 2 not activating manual or auto wo # 20-12-0845 12/10/2020					
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	2	100%	OP	A						
20	DAIRY	1	2	2	100%	INOP	A						
21	BARRIGADA	1	2	2	100%	GPA	A						
22	TOTO GARDENS	2	2	1	50%	INOP	A	Pump 2 removed awaiting repairs				(PO 305166)	
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	2	100%	Portable	A			GPA RELOCATED GENERATOR			
25	MAITE	2	2	1	50%	GPA	A	# 2 motor removed date 10-20-2020					
26	BAYSIDE	2	1	1	100%	INOP	A						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	3	100%	OP	A						
29	Agana Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned					
Total	29		63	58	92%								

GWA Work Session - January 19, 2021 - DIVISION REPORTS

Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	3	75%	OP	MAN	10-30-20 P#2 was removed and delivered to Guam Motor Rewind for repairs. 10-10-20 Requested LT, to make assessments to LCP panel not in operation. Pumps are being operated manually due to pump controller not communicating with VFD. JMI submitted quote to troubleshoot. System needs to be reprogrammed. Roger eliminated transducer and utilized existing floats controls for station to be able to operate on auto. Pending approval of price quotation for reprogramming system.	(P-2 20-09-2380) (LCP - 20-10-0696)			Pump #2 Dec. 30, 2020	
2	PUMP STATION #11	2	2	1	50%	INOP	AUTO	11-13-20 pump#2 was secured by Maint. Pump having light vibration possible pump is clogged.Amperage was reading 0.6amps ,pump still under assessment.					
3	PUMP STATION #12	1	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	2	100%	OP	AUTO			Pumps are alternated weekly			
5	PUMP STATION #15	1	2	1	50%	INOP	AUTO	9-24-20 Maintenance team replaced original pump 1(25hp) with new Sulzer pump (34hp) due to the previous pump was not depleting wet well level.9-28-20, Pump was later removed again due to pump DI sensor had activated. Pump is awaiting DI cable replacement and rebaking due to pump had a low megger reading.	20-09-1796	Pump #1 defective hourly meter.	20-05-1208		Generator Secured By GPA 4/18/20 due to Oil Leak.
6	PUMP STATION #16	2	2	2	100%	OP	AUTO						
7	PUMP STATION #17	2	2	2	100%	OP	AUTO						
8	PUMP STATION #18	2	2	2	100%	OP	AUTO						
9	INARAJAN MAIN	1	2	2	100%	OP	AUTO						
10	INARAJAN LIFT	1	2	2	100%		AUTO						
11	TALAFOFO	1	2	2	100%	OP	AUTO	1-17-20 Electricians determined that the sump pump is grounded and was recommended to be replaced. Entered work order into 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 \$10,140.00 New M.W. ventilation repair quotation was sent to Mary. All ventilation ducts needs to be fabricated and installed. Sump Pump OQ 37573 (Pending OR & PO)	Need a new quote for OQ for new fiscal year. Will include replacement of blower due to blower from old Agat TP is not the same size.
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALIGAN	2	2	2	100%	OP	MAN			Requesting for electricians to make assessments to ventilation system to make it operational.	(Vent- 19-12-0390)	12-23-19 Fred is working on getting a lift to be able to go to the roof top to make assessments on the motor.	Pending PO for lift for electricians to access roof top to inspect blower.
14	EJECTOR #2	2	2	1	50%	PORTABLE /INOP	NA	10-21-20 Comp#1 motor tripping. Motor was removed by maintenance crew due to unit was determind burnt by electricians.	20-10-1436			OQ 37385 (Pending OR and PO)	
15	EJECTOR #3	2	2	2	100%	PORTABLE /INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	1	50%	PORTABLE/INOP	NA	11-13-20 Compressor #1 was removed and to be used at Ejector 7 for compressor #1.					
18	EJECTOR #6	2	2	2	100%	PORTABLE/INOP	NA						
19	EJECTOR #7	2	2	1	50%	PORTABLE/INOP	NA	Motor #1 was secured due to open windings. Motor needs replacement.	Comp. Replace 20-09-0714		WO#20-09-1766	OQ 37385 (Pending OR and PO)	
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	1	33%	OP	AUTO	12-9-20, Pump #1 was removed due to cooling jacket was leaking. 12-10-20, Pump #2 was removed due to impeller bolt snapped and mechanical seal was damaged.				Spare pump OR 36923 (Pending PO), Pump #1 OQ 37684 (Pending OR)	
25	Windward Hills	1	3	3	100%	OP	AUTO					Spare Pump OR 37685 (Pending OR &PO)	
26	Aplacho	1	3	3	100%	OP	AUTO						
	26		56	48	86%								
pump availability =no of operational pumps/no of pumps*100%													

GWA Work Session - January 19, 2021 - DIVISION REPORTS

Guam Waterworks Authority		Date: 12/13/2020		
REVIEWS			WASTEWATER FACILITIES REPORT	
TOTAL PUMPS INSTALLED	171	OVERALL AVERAGE		
TOTAL PUMPS OPERATIONAL	151	% OF OPERATING PUMPS		
TOTAL PUMP STATIONS	77			

Northern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	3	75%	GPA	A	P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs		Pending new pumps which are part of the Northern Treatment	
2	FUJITA	1	4	3	75%	GPA	A	P#2 was removed 10-29-20 due to bearings issues. On-going work					
3	YPAO	1	2	2	100%	GPA	A	P#2 In for repairs @ JMI; utilizing Machanao pump and volute on line 2.					
4	PASEO DE ORO	1	2	2	100%	GPA	A						
5	HARMON	2	2	2	100%	GPA	A						
6	ROUTE 16	1	4	2	50%	GPA	M	P#4 secured, P#3 secured due to flapper in check valve loose.				(OR 36249) - Check Valves (OR 36239) - Plug Valves	
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A	P#2 Awaiting Repairs @ Shop, P#2 installed 04-22-2020 pump came from station 11					
8	LATTE SUN RISE	2	2	2	100%	GPA	A						
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A						
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	2	100%	GPA	A						
13	Hafa ADAI	2	2	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	Electrician secured P#3 due to light on on mini CAS (Temperature).					
17	ZERO DOWN	2	2	2	100%	GPA	A						
18	SANTA ANA	2	2	1	50%	GPA	A	P#2 burnt, in for rewinding	20-07-2324			Pending PO (OR36405)	
19	MACHANAONAO	1	2	2	100%	GPA	N/A	P#1 and volute being utilized at Ypao pump station, new pump installed					
20	FEMA 96	2	2	2	100%	GPA	A	Pumps 1&2 removed awaiting rewinding. Utilizing pumps from Hafa Adai and Old Station 13 pump (BIG BLUE)					
21	ASTUMBO 1	2	2	2	100%	GPA	A						
22	ASTUMBO 2	2	2	2	100%	GPA	A						
Total	22		52	47	90%								

GWA Work Session - January 19, 2021 - DIVISION REPORTS

Central District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	M						
2	COMMERCIAL PORT	1	3	3	100%	OP	A	P# 3 pump works, Standby					
3	PITI	1	2	2	100%	GPA	A						
4	ASAN	1	2	2	100%	GPA	A						
5	SINAJANA	2	2	2	100%	GPA	A						
6	NEW CHAOT	1	3	3	100%	OP	A	Pump #1 was secured 12-12-20 due to fan motor on VFD is defective. Pending replacement from IT.					
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	2	100%	OP	A						
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	1	50%	INOP	A	Pump 1 tripping 11-04-20 wo # 20-11-0202					
12	DOUBLE SHAFT	1	3	2	67%	OP	A	Pump 2 removed due to impeller/Shaft broke				CIP write up for new pump/motor completed. At procurement pending review	
13	NAMU	2	1	1	100%	OP	A						
14	TAI MANGILAO	1	3	2	67%	GPA	A	P3 secured due to moisture sensor.	20-03-0868			Pending PO (OR 36406)	
15	MANGILAO	1	2	2	100%	GPA	A			Sump pump burnt and the breaker is damaged			
16	FIDIAN	2	2	2	100%	GPA	A						
17	LEYANG	2	2	1	50%	OP	A	pump 2 not activating manual or auto wo # 20-12-0845 12/10/2020					
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	2	100%	OP	A	P1 installed as of 11/19/20				PO 305324 10/11/2020	
20	DAIRY	1	2	2	100%	INOP	A						
21	BARRIGADA	1	2	2	100%	GPA	A						
22	TOTO GARDENS	2	2	1	50%	INOP	A	Pump 2 removed awaiting repairs				10/15/2020 (PO 305166)	
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	2	100%	Portable	A			GPA RELOCATED GENERATOR			
25	MAITE	2	2	1	50%	GPA	A	# 2 motor removed date 10-20-2020					
26	BAYSIDE	2	1	1	100%	INOP	A						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	3	100%	OP	A						
29	Agana Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned					
Total	29		63	56	89%								

GWA Work Session - January 19, 2021 - DIVISION REPORTS

Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	3	75%	OP	MAN	10-30-20 PH2 was removed and delivered to Guam Motor Rewind for repairs. 10-10-20 Requested LT to make assessments to LCP panel not in operation. Pumps are being operated manually due to pump controller not communicating with VFD. JMI submitted quote to troubleshoot. System needs to be reprogrammed. Roger eliminated transducer and utilized existing floats controls for station to be able to operate on auto. Pending approval of price quotation for reprogramming system.	(P-2 20-09-2380) (LCP - 20-10-0696)			Pump #2 Dec. 30, 2020	
2	PUMP STATION #11	2	2	1	50%	INOP	AUTO	11-13-20 pump#2 was secured by Maint. Pump having light vibration possible pump is clogged. Amperage was reading 0.6amps, pump still under assessment.					
3	PUMP STATION #12	1	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	2	100%	OP	AUTO			Pumps are alternated weekly			
5	PUMP STATION #15	1	2	1	50%	INOP	AUTO	9-24-20 Maintenance team replaced original pump 1(25hp) with new Sulzer pump (34hp) due to the previous pump was not depleting wet well level. 9-28-20, Pump was later removed again due to pump DI sensor had activated. Pump is awaiting DI cable replacement and rebaking due to pump had a low megger reading.	20-09-1796	Pump #1 defective hourly meter.	20-05-1208		Generator Secured By GPA 4/18/20 due to Oil Leak.
6	PUMP STATION #16	2	2	2	100%	OP	AUTO						
7	PUMP STATION #17	2	2	2	100%	OP	AUTO						
8	PUMP STATION #18	2	2	2	100%	OP	AUTO						
9	INARAJAN MAIN	1	2	2	100%	OP	AUTO						
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO						
11	TALAFOFO	1	2	2	100%	OP	AUTO	1-17-20 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 \$10,140.00 New M.W. ventilation repair quotation was sent to Mary. All ventilation ducts needs to be fabricated and installed. Sump Pump OQ 37573 (Pending OR & PO)	Need a new quote for OQ for new fiscal year. Will include replacement of blower due to blower from old Agat TP is not the same size.
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALIGAN	2	2	2	100%	OP	MAN			Requesting for electricians to make assessments to ventilation system to make it operational.	(Vent-19-12-0390)	12-23-19 Fred is working on getting a lift to be able to go to the roof top to make assessments on the motor.	Pending PO for lift for electricians to access roof top to inspect blower.
14	EJECTOR #2	2	2	1	50%	PORTABLE /INOP	NA	10-21-20 Comp#1 motor tripping. Motor was removed by maintenance crew due to unit was determined burnt by electricians.	20-10-1436			OQ 37385 (Pending OR and PO)	
15	EJECTOR #3	2	2	2	100%	PORTABLE /INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	1	50%	PORTABLE/INOP	NA	11-13-20 Compressor #1 was removed and to be used at Ejector 7 for compressor #1.					
18	EJECTOR #6	2	2	2	100%	PORTABLE/INOP	NA						
19	EJECTOR #7	2	2	1	50%	PORTABLE/INOP	NA	Motor #1 was secured due to open windings. Motor needs replacement.	Comp. Replace 20-09-0714	9-23-20 Valve#2 severely leaking and needs replacement. Valve replacement schedule is pending. Valves were replaced 11-12-20.	WO#20-09-1766	OQ 37385 (Pending OR and PO)	
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	1	33%	OP	AUTO	12-9-20, Pump #1 was removed due to cooling jacket was leaking. 12-10-20, Pump #2 was removed due to impeller bolt snapped and mechanical seal was damaged.				Spare pump OR 36923 (Pending PO). Pump #1 OQ 37684 (Pending OR)	
25	Windward Hills	1	3	3	100%	OP	AUTO					Spare Pump OR 37685 (Pending OR & PO)	
26	Aplacho	1	3	3	100%	OP	AUTO						
26			56	48	86%								



Guam Waterworks Authority
VEHICLE FLEET STATUS
12/31/2020

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	5	1	83%
Fuel Tanker	1	1	0	100%
Heavy Duty	11	10	1	91%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	156	125	31	80%
Mini Backhoe	2	1	1	50%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	4	1	80%
Tractor	2	2	0	100%
Tractor Mower	1	0	1	0%
Trailer	15	12	3	80%
Trencher	1	0	1	0%
Vacuum Truck	5	4	1	80%
Water Buffalo	2	2	0	100%
Water Tanker	5	5	0	100%
Compressor	1	1	0	100%
Total	252	176	46	

SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
3	0	0	0	0	0	0
3	0	0	0	0	0	0
2	0	0	0	1	0	0
0	0	0	0	0	1	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
5	0	0	0	0	0	1
1	0	0	0	0	0	0
10	0	0	0	0	0	1
1	0	0	0	0	0	0
1	0	0	0	0	0	0
123	2	4	2	4	6	15
1	0	0	0	1	0	0
0	0	0	1	0	0	0
0	0	0	0	1	0	0
4	0	0	0	1	0	0
1	1	0	0	0	0	0
0	0	0	0	0	1	0
12	0	0	0	3	0	0
0	0	0	0	1	0	0
4	0	0	0	1	0	0
2	0	0	0	0	0	0
5	0	0	0	0	0	0
1	0	0	0	0	0	0
176	4	4	3	13	8	18



Guam Waterworks Authority
VEHICLE FLEET STATUS
12/7/2020

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	5	1	83%
Fuel Tanker	1	1	0	100%
Heavy Duty	11	10	1	91%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	156	125	31	80%
Mini Backhoe	2	1	1	50%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	4	1	80%
Tractor	2	2	0	100%
Tractor Mower	1	0	1	0%
Trailer	15	12	3	80%
Trencher	1	0	1	0%
Vacuum Truck	5	4	1	80%
Water Buffalo	2	2	0	100%
Water Tanker	5	5	0	100%
Compressor	1	1	0	100%
Total	252	176	46	

SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
3	0	0	0	0	0	0
3	0	0	0	0	0	0
2	0	0	0	1	0	0
0	0	0	0	0	1	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
5	0	0	0	0	0	1
1	0	0	0	0	0	0
10	0	0	0	0	0	1
1	0	0	0	0	0	0
1	0	0	0	0	0	0
123	2	4	2	4	6	15
1	0	0	0	1	0	0
0	0	0	1	0	0	0
0	0	0	0	1	0	0
4	0	0	0	1	0	0
1	1	0	0	0	0	0
0	0	0	0	0	1	0
12	0	0	0	3	0	0
0	0	0	0	1	0	0
4	0	0	0	1	0	0
2	0	0	0	0	0	0
5	0	0	0	0	0	0
1	0	0	0	0	0	0
176	4	4	3	13	8	18

Guam Waterworks Authority		Date: 12/31/2020	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	56	OVERALL AVERAGE	95%
TOTAL PUMPS OPERATIONAL	53	% OF OPERATING PUMPS	95%
TOTAL BOOSTER PUMP STATIONS	27		

Northern District

NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
1	Yigo	30	3	3	100%	OP	A						
2	Gayvhero	20	2	2	100%	OP	A						
3	Matsaguec	25	2	2	100%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A						
5	Hyundai	40	2	0	0%	OP	A	10-30-20 work still ongoing for wiring of power and installation of SCADA.		PSRV installed for bypass and in operation.			
6	Chin, Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Agana Heights	30	3	3	100%	OP	A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
10	Adawaq	1.5	1	1	100%	N/A							
11	Pale Kiren	1	1	1	100%	N/A							
12	Ulica Unlaian	1	2	2	100%	OP	A						
13	Latie Heights	15	2	2	100%	OP	A						
TOTAL = 13			26	24	92%								
pump availability = no of operational pumps/no of pumps*100%													

Central District

NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	3	100%	OP	A						
2	Brigade	60 / 20	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	2	67%	OP	A	Pump 2 pending mechanical seals and rebuild kit.					
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	Tenono	1.5	1	1	100%	N/A							
Total=7			15	14	93%								
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	Toruan	25	2	2	100%	OP	A						
5	WBP-2	25	2	2	100%	OP	A						
6	WBP-1	5	2	2	100%	OP	A						
7	Malojloj Elevated	15	2	2	100%	OP	A						
Total=7			15	15	100%								
pump availability = no of operational pumps/no of pumps*100%													

Guam Waterworks Authority		Date: 11/27/2020	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	56	OVERALL AVERAGE	93%
TOTAL PUMPS OPERATIONAL	52	% OF OPERATING PUMPS	93%
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	Matsaguec	25	2	2	100%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A						
5	Hyundai	40	2	0	0%	OP	A	10-30-20 work still ongoing for wiring of power and installation of SCADA.		PSRV installed for bypass and in operation.			
6	Chin, Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Agana Heights	30	3	3	100%	OP	A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
10	Adawaq	1.5	1	1	100%	N/A							
11	Pale Kiren	1	1	1	100%	N/A							
12	Ulloca Unlalan	1	2	2	100%	OP	A						
13	Latie Heights	15	2	2	100%	OP	A						
TOTAL = 13			26	24	92%								
pump availability = no of operational pumps/no of pumps*100%													

Central District

NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	3	100%	OP	A						
2	Brigade	60 / 20	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	1	33%	OP	A	Pump 1 & 2 offline due to mechanical seal failures.					
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	Tenono	1.5	1	1	100%	N/A							
Total=7			15	13	87%								
pump availability = no of operational pumps/no of pumps*100%													

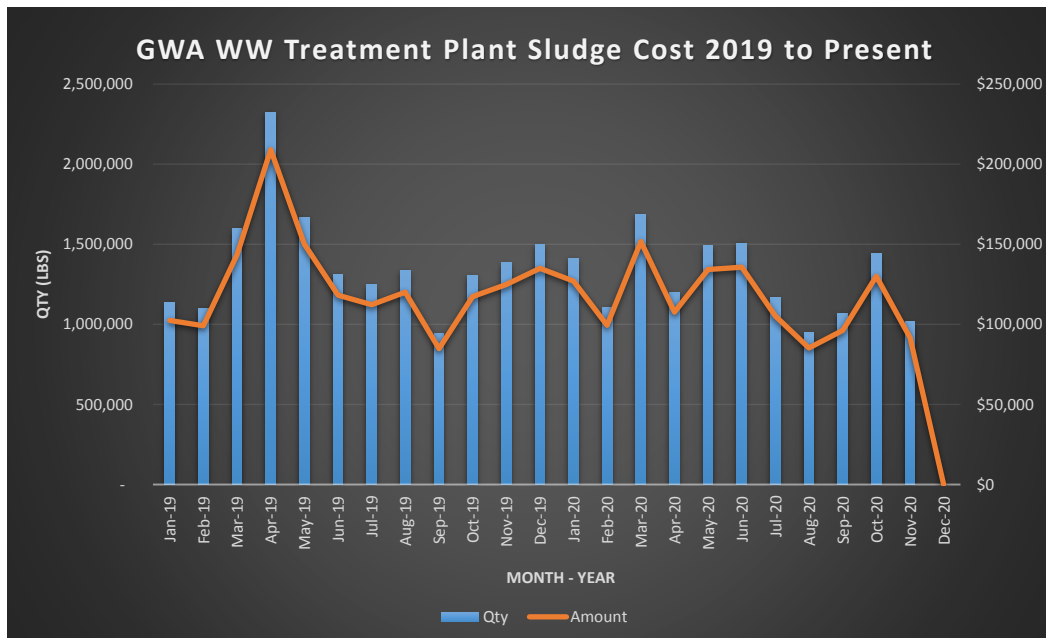
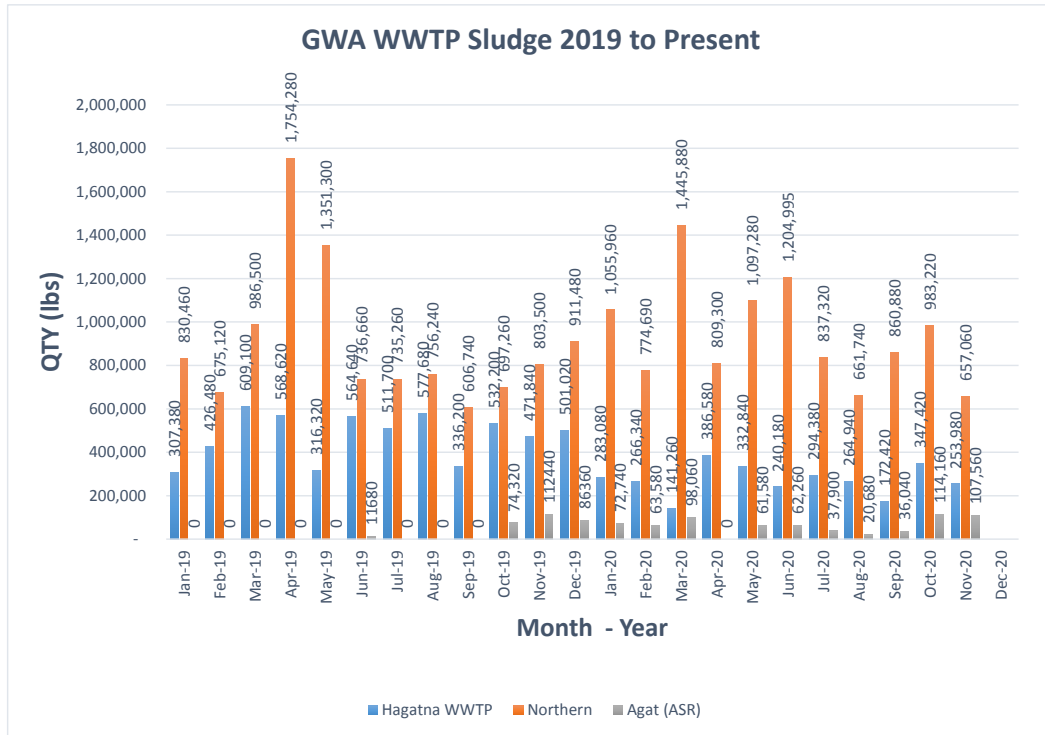
Southern District

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	Toruan	25	2	2	100%	OP	A						
5	WBP-2	25	2	2	100%	OP	A						
6	WBP-1	5	2	2	100%	OP	A						
7	Malojloj Elevated	15	2	2	100%	OP	A						
Total=7			15	15	100%								
pump availability = no of operational pumps/no of pumps*100%													

GWA Work Session - January 19, 2021 - 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
Grand Total	5,723,180	\$515,086	10,844,800	\$976,032	284,800	\$25,632	16,852,780	\$1,516,750

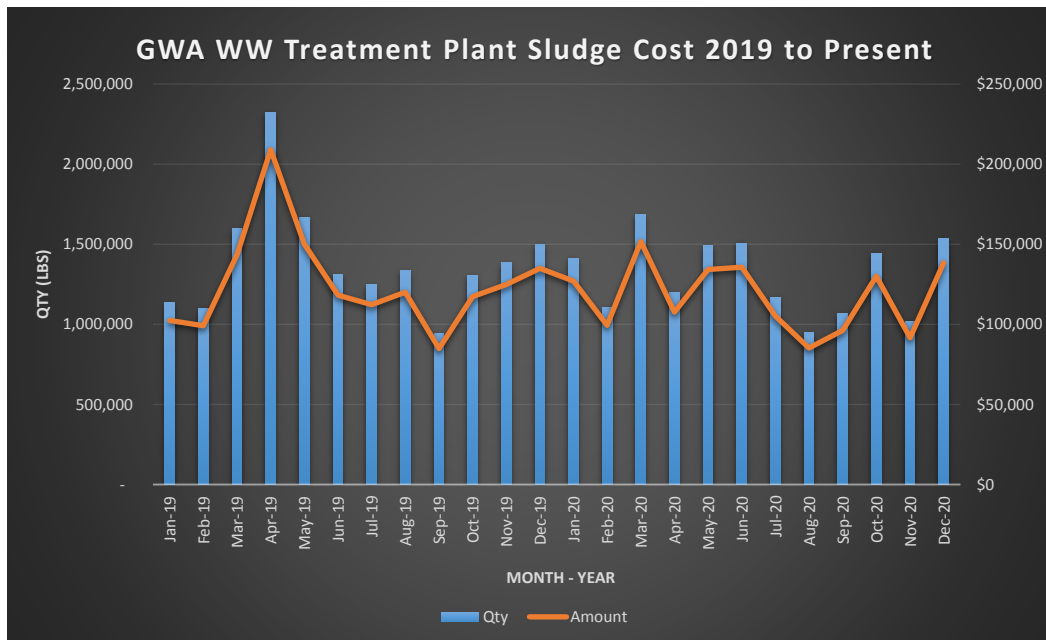
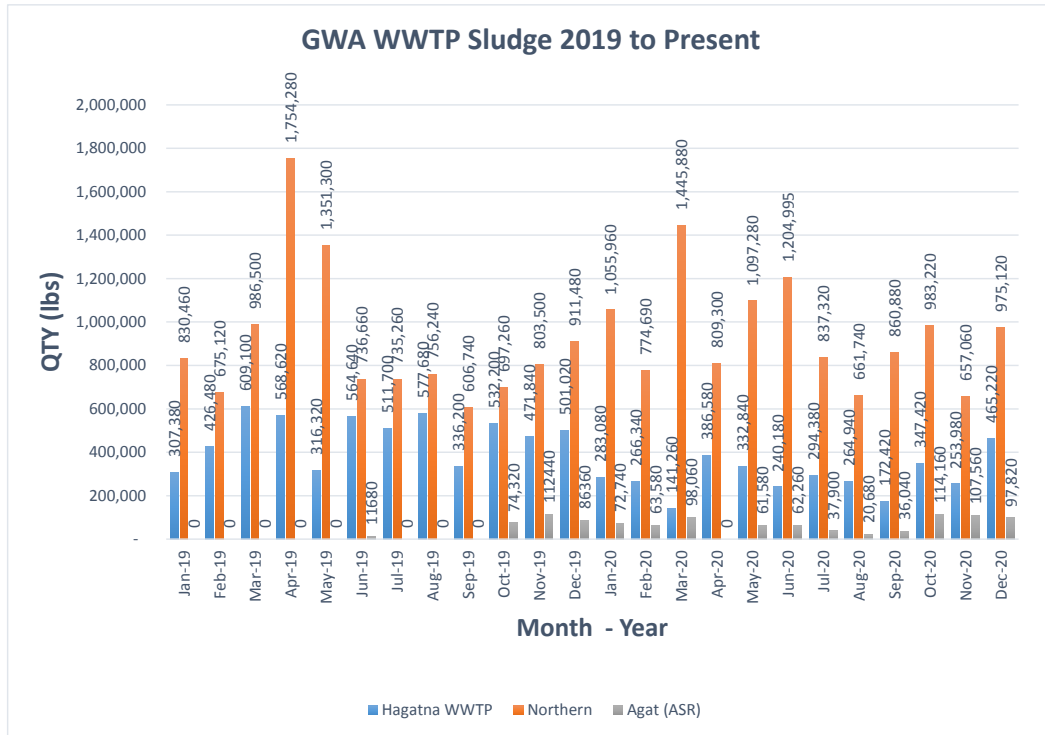
	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2020	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-20	283,080	\$25,477	1,055,960	\$95,036	72,740	\$6,547	1,411,780	\$127,060
Feb-20	266,340	\$23,971	774,690	\$69,722	63,580	\$5,722	1,104,610	\$99,415
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	61,580	\$5,542	1,491,700	\$134,253
Jun-20	240,180	\$21,616	1,204,995	\$108,450	62,260	\$5,603	1,507,435	\$135,669
Jul-20	294,380	\$26,494	837,320	\$75,359	37,900	\$3,411	1,169,600	\$105,264
Aug-20	264,940	\$23,845	661,740	\$59,557	20,680	\$1,861	947,360	\$85,262
Sep-20	172,420	\$15,518	860,880	\$77,479	36,040	\$3,244	1,069,340	\$96,241
Oct-20	347,420	\$31,268	983,220	\$88,490	114,160	\$10,274	1,444,800	\$130,032
Nov-20	253,980	\$22,858	657,060	\$59,135	107,560	\$9,680	1,018,600	\$91,674
Dec-20		\$0		\$0		\$0	-	\$0
Grand Total	2,983,420	\$268,508	10,388,325	\$934,949	674,560	\$60,710	14,046,305	\$1,264,167



GWA Work Session - January 19, 2021 - 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
Grand Total	5,723,180	\$515,086	10,844,800	\$976,032	284,800	\$25,632	16,852,780	\$1,516,750

	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	61,580	\$5,542	1,491,700	\$134,253
Jun-20	240,180	\$21,616	1,204,995	\$108,450	62,260	\$5,603	1,507,435	\$135,669
Jul-20	294,380	\$26,494	837,320	\$75,359	37,900	\$3,411	1,169,600	\$105,264
Aug-20	264,940	\$23,845	661,740	\$59,557	20,680	\$1,861	947,360	\$85,262
Sep-20	172,420	\$15,518	860,880	\$77,479	36,040	\$3,244	1,069,340	\$96,241
Oct-20	347,420	\$31,268	983,220	\$88,490	114,160	\$10,274	1,444,800	\$130,032
Nov-20	253,980	\$22,858	657,060	\$59,135	107,560	\$9,680	1,018,600	\$91,674
Dec-20	465,220	\$41,870	975,120	\$87,761	97,820	\$8,804	1,538,160	\$138,434
Grand Total	3,448,640	\$310,378	11,363,445	\$1,022,710	772,380	\$69,514	15,584,465	\$1,402,602

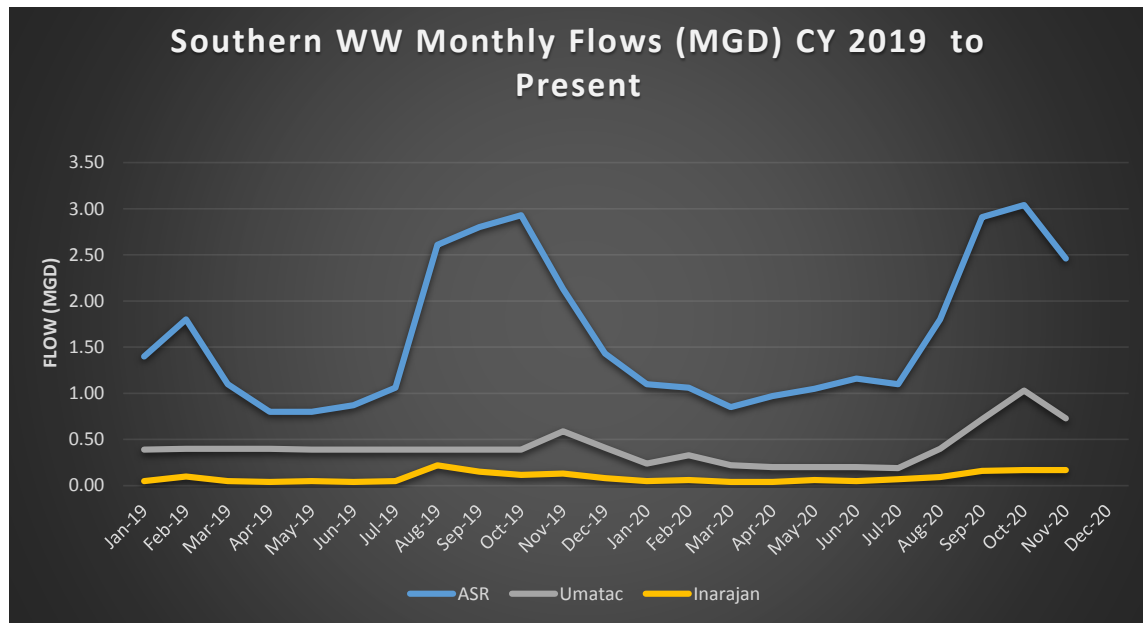
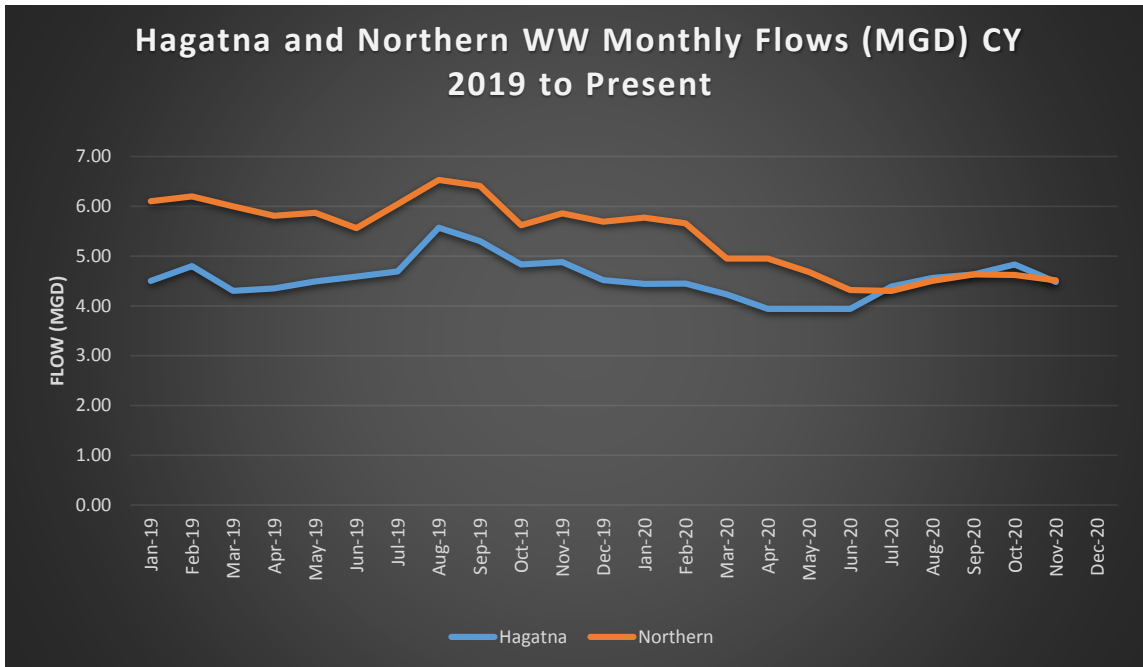


Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day

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
2019 Average MGD	4.74	5.97	1.64	0.41	0.09
2019 Total MGY	1,728	2,181	600	150	33

2020	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-20	4.44	5.77	1.10	0.24	0.05
Feb-20	4.45	5.66	1.06	0.33	0.06
Mar-20	4.23	4.95	0.85	0.22	0.04
Apr-20	3.94	4.95	0.97	0.20	0.04
May-20	3.94	4.68	1.05	0.20	0.06
Jun-20	3.94	4.32	1.16	0.20	0.05
Jul-20	4.39	4.30	1.10	0.19	0.07
Aug-20	4.56	4.50	1.80	0.40	0.09
Sep-20	4.63	4.63	2.91	0.72	0.16
Oct-20	4.83	4.62	3.04	1.03	0.17
Nov-20	4.48	4.51	2.46	0.73	0.17
Dec-20					
2020 Average MGD	4.35	4.81	1.59	0.41	0.09
2020 Total MGY	1,587	1,755	581	148	32

*Agana flow estimated due to barscreen down and bypassed and bypass also includes flow meter. Estimate beginning May.



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
2019 Average MGD	4.74	5.97	1.64	0.41	0.09
2019 Total MGY	1,728	2,181	600	150	33

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

*Agana flow estimated due to barscreen down and bypassed and bypass also includes flow meter. Estimate beginning May.

