



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., Tues., May 19, 2020*

AGENDA

1. ISSUES FOR DECISION

- 1.1 [Relative to Approving the Charge-Off of Guam Waterworks Authority Receivables Deemed Uncollectible / Resolution No. 18-FY2020](#)
- 1.2 [Relative to Approving the Terms of the Settlement in the Claim Against the Guam Waterworks Authority by Ronald W. Blade and Mae K. Cruz Also Referenced as GWA Government Claim No. 2019-005 / Resolution No. 25-FY2020](#)
- 1.3 [Relative to Authorizing the General Manager the Authority to Settle Government Claims Against GWA / Resolution No. 26-FY2020](#)
- 1.4 [Relative to Recognizing GPWA Management Staff for Successfully Providing Continuous Service for the Island of Guam Throughout the COVID-19 Pandemic Public Health Emergency / GWA Resolution No. 27-FY2020 - GPA Resolution No. 2020-12](#)

2. GM REPORT

- 2.1 [GM Summary](#)

3. ISSUES FOR DISCUSSION

4. OTHER DISCUSSION

- 4.1 CCU Rules

5. DIVISION REPORTS

- 5.1 Communications
- 5.2 [Compliance & Safety](#)
- 5.3 [Customer Service](#)
- 5.4 [Engineering](#)
- 5.5 [Finance](#)
- 5.6 [Operations](#)

6. ANNOUNCEMENTS

- 6.1 Next CCU Meetings: CCU Work Session: May 20; GPA Work Session: May 21; CCU Regular Monthly Mtg.: May 26

7. ADJOURNMENT



Issues for Decision

Resolution No. 18- FY2020 (Revised)

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

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

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

Where is the location?

Not applicable

How much will it cost?

Proposed amounts to be charged off are \$1,841,105.

The employee receivables included costs for lost or damaged equipment, uncleared travel expenses, amounts owed for insurance, and advanced salary payments. Trade receivables included billings as well as work order charges.

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

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

When will it be completed?

As soon as approved by the CCU.

What is the funding source?

Not applicable

The RFP/BID responses (if applicable):

Not applicable.



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. 18-FY2020

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

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

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

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

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

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

WHEREAS, the employee receivables are for GWA employees who have separated from the agency; and

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

WHEREAS, after consideration of the aforementioned, management recommends GWA charge off \$1,841,105 as summarized herein and further detailed in Exhibit A:

Customer Receivables, 1992-2016	\$1,827,185
Employee Receivables, 200-2016	13,920
Total	\$1,841,105

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU affirms management's recommendation to charge off these past due inactive receivables for accounts for which reasonable efforts were made to collect \$1,841,105; the breakdown by year is outlined in Exhibit A.

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

DULY AND REGULARLY ADOPTED, this 26th day of May 2020.

Certified by:

Attested by:

JOSEPH T. DUENAS
 Chairperson

MICHAEL T. LIMTIACO
 Secretary

//

//

//

//

//

//

SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

///

///

///

///

///

///

///

Guam Waterworks Authority
Schedule of Proposed Accounts Receivable Charge Off
Summary by Fiscal Year and Class

EXHIBIT A

YEAR	EMPLOYEE	GOVERNMENT	RESIDENTIAL	AGRICULTURE	COMMERCIAL I	TOTAL
1992			556		6,426	6,983
1993			588		265	853
1994		3,999	1,102		41,473	46,574
1995			9,909		7,861	17,770
1996		28,427	2,820		1,324	32,571
1997		64,449	2,858		180	67,487
1998			385		5,089	5,474
1999			8,571		1,289	9,860
2000	195	33,255	67,499		198,215	299,163
2001	2,483		500		10,219	13,202
2002	2,957		4,190		351	7,498
2003	356	1,130	386			1,872
2004	314				7,220	7,534
2005	1,579				292	1,871
2006		62,513			1,946	64,459
2007		21,078			40,909	61,987
2008	1,733	8,605			17,272	27,611
2009		254,647			1,360	256,007
2010					9,134	9,134
2011		41,266	329		12,945	54,539
2012	2,892		219		142	3,253
2013					4,952	4,952
2014	126				27,278	27,404
2015		2,141	359,780		60,522	422,443
2016	1,284	1,067	340,327	11,849	36,078	390,605
TOTAL	13,920	522,577	800,018	11,849	492,741	1,841,105



GUAM WATERWORKS AUTHORITY

"Better Water, Better Lives."

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

Tel: (671) 300-6846

Issues for Decision

Resolution No. 25-FY2020

Relative to Approving the Terms of the Proposed Settlement in the Claim Against the Guam Waterworks Authority by Ronald W. Blade and Mae K. Cruz also Referenced as Government Claim No. GWA GC 2019-005.

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

To approve the proposed settlement of the government claim of Mr. Ronald W. Blade and Ms. Mae K. Cruz. On September 24, 2019, Mr. Blade and Ms. Cruz filed a government claim with the Guam Waterworks Authority for damage to their property when a GWA employee hit the Claimants aluminum "automatic" sliding gate while driving into Claimants driveway when responding to a report of a sewer line back-up.

Where is the location?

486 N. Marine Corps Drive, Piti, Guam

How much will it cost?

The recommendation for settlement is Thirteen Thousand Dollars (\$13,000.00).

When will it be completed?

Upon final review, approval and signature of the Release and Settlement Agreement by the Attorney General of Guam and the Governor of Guam.

What is the funding source?

Revenue funded

The RFP/BID responses (if applicable):

N/A



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

GWA RESOLUTION NO. 25-FY2020

**RELATIVE TO APPROVING THE TERMS OF THE PROPOSED SETTLEMENT IN
THE CLAIM AGAINST THE GUAM WATERWORKS AUTHORITY
BY RONALD W. BLADE AND MAE K. CRUZ ALSO REFERENCED
AS GWA GOVERNMENT CLAIM NO. 2019-005**

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

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

WHEREAS, the Government Claims Act 5 G.C.A. § 6206 requires approval of the Board for all other claims in excess of Three Thousand Dollars (\$3,000.00), excluding motor vehicle damage and personal injury claims less than \$15,000; and

WHEREAS, Mr. Ronald Blade and Ms. Mae K. Cruz reported that on September 16, 2019, their property was damaged when a GWA employee hit the Claimants aluminum “automatic” sliding gate (“Property”) while driving into the Claimants driveway at their residence located at 486 N. Marine Corps Drive, Piti. Employee was at Claimant’s residence on official government business for a report of a sewer line back-up. Exhibit “A” – GWA Work Form No. 09-16-19-003.

WHEREAS, on September 24, 2019, Ronald W. Blade and Ms. Mae K. Cruz (“Claimants”), filed a claim against GWA in the amount of Thirteen Thousand Dollars (\$13,000.00) for property damage as a result of the incident. Exhibit “B”; and

//

//

1 **WHEREAS**, after review of the claim, GWA has determined that the Claimants should
2 be compensated for the property damage and the cost to replace their aluminum “automatic”
3 sliding gate in the amount of Thirteen Thousand Dollars (\$13,000.00). Exhibit “C.”

4
5 **WHEREAS**, GWA believes the proposed settlement and method of payment to be fair
6 and reasonable; and

7
8 **WHEREAS**, the Consolidated Commission on Utilities finds that this proposed
9 settlement is just and reasonable considering the circumstances.

10
11 **NOW THEREFORE, BE IT RESOLVED**, the Consolidated Commission on Utilities
12 does hereby find, authorize and approve the following:

- 13
14 1. Mr. Ronald W. Blade and Ms. Mae K. Cruz, legal homeowners, Exhibit “D”
15 sustained property damage as a result of a GWA employee hitting and damaging
16 their aluminum “automatic” sliding gate at their home, 486 N. Marine Corps Drive,
17 Piti, Guam.
- 18
19 2. Claimants have provided proof to GWA of the damages sustained in the amount of
20 Thirteen Thousand Dollars (\$13,000.00) (*See* Exhibit “C”).
- 21
22 3. That the Claimants have agreed to settle in the amount of Thirteen Thousand Dollars
23 (\$13,000.00), by signing a Release and Settlement Agreement, Exhibit “E.”
- 24
25 4. The CCU finds the offer fair and reasonable under the circumstances.
- 26
27 5. The GWA GM is authorized to sign all documents necessary to settle the claim as
28 approved by the CCU.

29 //

30
31 //

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

3
4 **DULY AND REGULARLY ADOPTED**, this 26th day of May 2020.

5
6 Certified by:

Attested by:

7
8 _____
9 **JOSEPH T. DUENAS**

10 Chairperson

11 **MICHAEL T. LIMTIACO**
12 Secretary

13 **SECRETARY'S CERTIFICATE**

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

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

20 AYES: _____

21 NAYS: _____

22 ABSTENTIONS: _____

23 ABSENT: _____

24
25 ///

26
27
28 ///

29
30
31 ///

Exhibit A

Requested Work Form

3/4/2020

11:07 AM

Request <div style="border: 1px solid black; padding: 5px; text-align: center;"> 09-16-19-003 </div>	Received: JONATHANH Status: New Request Priority: Supervisor:	9/16/2019 7:37 AM 9/16/2019 7:37 AM	Follow-up:
Requestor <div style="display: flex; justify-content: space-between;"> <div> Name: RONALD BLADE Business: Address: 486 MARINE CORPS DR PITI Home Phone: 6714728338 Phone 1: </div> <div> Phone #: 4728338 Account #: Parcel #: Work Phone: Phone 2: </div> </div>			
Location Address: 486 MARINE CORPS DR PITI Category: Wastewater Collection Cause: General Location:			
		<div style="border: 1px solid black; padding: 5px; text-align: center;"> Affected Utilities </div>	
		Problem: Sewer Line Back Up Parcel:	
Information for Work Order BEFORE TOVES STORE SOUTHBOUND.			

Start Date/Time: _____ **End Date/Time:** _____

Task Code: _____ **Task Description:** _____

Employee Number	Employee Name	Hours	Time Code

Equipment Number	Equipment Name	Hours

Materials Number	Materials Name	Units

Fluids Number	Materials Name	Units

Exhibit B



Office of the Attorney General of Guam

590 S. Marine Corps Dr., Ste. 901, Tamuning, Guam 96913



FILING A CLAIM AGAINST THE GOVERNMENT

Please be advised that under the Government Claims Act (5 G.C.A., Chapter 6), the government has **SIX (06) MONTHS** in which to investigate and either grant, settle, or deny your claim.

If your claim involves a **traffic accident**, you need to submit:

1. A copy of the police report;
2. A copy of the vehicle registration;
3. Two to three estimates of repair from a licensed auto repair shop
4. Pictures of the damages

If your claim involves **wages**, you need to submit:

- Any documents of proof of wages owed.

If your claim involves a **dormant bank account**, you need to submit:

- Account name, account number, address, social security number, and proof of authorized access to account funds.

Please provide copies of all documents. We are unable to make copies due to budgetary cuts. **All claims shall be filed in duplicate** (one original and one copy). If you have any questions, please call our office at 475-3324 ext. 2115 or 3220.

Please read, sign and return the letter on the reverse side of this sheet. Thank you.





Office of the Attorney General of Guam

590 S. Marine Corps Dr., Ste. 901, Tamuning, Guam 96913



Dear Claimant:

Pursuant to the Government Claims Act (Public Law 17-29), the government has six (06) months to investigate and either grant, settle or deny your claim. If you are claiming property damage to a motor vehicle involved in an accident, we will make a determination on this part of your claim within thirty (30) days pursuant to Public Law 25-130, provided you furnish us with all the documents necessary to process your claim.

Although most claims require the full six (06) months for review and final decision, smaller claims usually take less time than larger ones; however, they are considered equally. If after six (06) months your claim has not been settled or you have not been notified by our office that your claim was denied, you may institute an action in the Superior Court of Guam for money damages.

Additional questions on the status of this claim should be directed to the undersigned.

Thank you in advance for your cooperation.

Sincerely,

GABRIELA P. ROJAS RIPPEL
Paralegal I
Interim Assistant Claims Officer

BRENDA PEREZ AGUON
Paralegal II

I have read and fully understand the above.

Print Name: RONALD W. BLADE

Signature: [Signature]

Date: 7/24/19



Office of the Attorney General of Guam

590 S. Marine Corps Dr., Ste. 901, Tamuning, Guam 96913



CLAIM AGAINST THE GOVERNMENT

(Please complete the form in its entirety. **DO NOT** leave any portions blank. Write "N/A" or "None" where appropriate.)

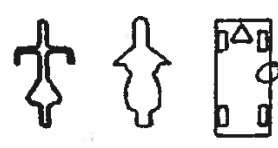
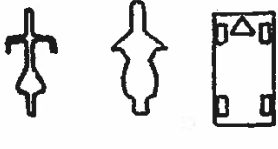
1. Name of Claimant: RONALD W. BLADE + MAE K. CRUZ
2. Mailing Address: P.O. Box 1878 HAGATNA, GU 96931
Home/Work Address: 486 N. MARINE CORPS DR TITI GUAM
3. Home Telephone 472-8338 Work Telephone _____
4. Amount of Damages you are claiming: \$ SEE ESTIMATE
5. Any other relief you are claiming INTEREST ON MY MONEY USED FOR REPAIR
6. Government Agency Responsible GWA
7. Date Claim arose 9/16/19
8. Your statement of facts upon which you base your claim. Attach extra sheet(s) if necessary.
SEE ATTACHED POLICE REPORT
9. Attach a copy of all documents pertaining to your claim, such as a police report, accident report or a contract.
10. The lowest estimate of repair is \$ 13,000.00
11. I have the following insurance covering this claim N/A
12. I am the real party in interest except for the following parties who have an interest in this claim:
N/A
13. I have received the following compensation/repairs from other parties N/A
14. Name, address, and telephone of attorney representing claimant, if any:
N/A

All notices will be sent to your mailing address above or if you have an attorney, to your attorney's address. If you want to change the address at which you will receive notices, you must file, in writing, a change of address with the Claims Officer.

I, RONALD W. BLADE, declare under penalty of perjury that the foregoing is true and correct.
Date 9/24/19 Claimant's Signature [Signature]

PORT AUTHORITY POLICE TRAFFIC ACCIDENT REPORT

PAGE # 01

ACCIDENT CLASSIFICATION: <input type="checkbox"/> FATAL <input type="checkbox"/> NON-FATAL <input checked="" type="checkbox"/> NON-INJURY <input type="checkbox"/> NON-TRAFFIC <input type="checkbox"/> OTHER		CASE NO. GPD#19-26851/ PAPD 19-063					
ACCIDENT INVOLVED: (CHECK APPROPRIATE BOX) <input checked="" type="checkbox"/> Automobile(s) <input type="checkbox"/> Overturn <input type="checkbox"/> Pedal Cycle <input type="checkbox"/> Bus <input checked="" type="checkbox"/> Fixed Object <input type="checkbox"/> Parked Vehicle <input type="checkbox"/> Motorcycle <input type="checkbox"/> Truck (Heavy Equipment) <input type="checkbox"/> Pedestrian <input type="checkbox"/> Non-Collision <input type="checkbox"/> Ran Off Roadway <input type="checkbox"/> Moped <input type="checkbox"/> Trailer <input type="checkbox"/> Animal <input checked="" type="checkbox"/> Other SIDE SWIPE							
LOCATION TIME	Location <u>486 NORTH MARINE CORP DRIVE PITI GUAM</u>			<input type="checkbox"/> Rural <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Business <input type="checkbox"/> School or Playground <input type="checkbox"/> Open Country <input type="checkbox"/> Other			
	By <u>TOVES MART</u> Beal Area <u>A2</u>						
	Date <u>09/16/19</u> Time <u>0832HRS</u> AM/PM Day of Week <u>MONDAY</u>						
	Notified of Accident: Date <u>09/16/19</u> Time <u>0804HRS</u> AM/PM						
	Investigation Made: Date <u>09/16/19</u> Time <u>0832HRS</u> AM/PM						
Investigation Elsewhere <u>NONE</u> Date <u>SEP 20 2019</u> Time <u>N/A</u> AM/PM							
Is the Investigation Completed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Where Photographs Taken? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No By Whom: <u>N/A</u> I.D. # <u>N/A</u>							
VEH#	YEAR	MAKE	MODEL	PLATE #	VIN#	STATE	COLOR
V-1	2008	FORD	RANGER	4827	1FTYR10UX8PA7065	GU.	WHITE
VEHICLES INVOLVED	Driver <u>JUSTIN TAITANO</u> D.O.B. <u>01/24/19</u> AGE <u>30</u> SEX <u>M</u>						
	Home Address <u>CARE OF GUAM WATER WORKS</u> Home Phone <u>797-8100</u> Race <u>CHAM</u>						
	Occupation <u>WASTE WATER TECHNICIAN</u> Place of Employment <u>GUAM WATER WORKS</u>						
	DL# <u>1228113679</u> Type <u>OPERATOR</u> State <u>GUAM</u>						
	Restrictions <u>A</u> SS# <u>586-02-2793</u> Work Phone <u>472-3247</u>						
	Insurance <u>GOV GUAM</u> Policy No. <u>N/A</u>						
	Owner <u>GOV GUAM</u> D.O.B. _____ Age _____ Sex _____						
	Address <u>GUAM WATER WORKS</u> Phone No. <u>671-472-3247</u>						
	Vehicle Traveling <input type="checkbox"/> East <input checked="" type="checkbox"/> West <input type="checkbox"/> North <input checked="" type="checkbox"/> South On <u>ROUTE 1, OUTER LANE PITI</u>						
	Impoundment <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Vehicle Moved To <u>ON SITE</u>						
Posted Speed: <u>35</u> MPH Driver's Estimated Speed <u>5</u> MPH							
CIRCLE POINT OF IMPACT (SHADE DAMAGED AREAS)  AMOUNT \$ <u>500.00</u> .00 T TOP U UNDERCARRIAGE N NONE							
YEAR	TRAILER (Other Unit)	MAKE	MODEL	PLATE #	VIN#	COLOR	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	
VEH#	YEAR	MAKE	MODEL	PLATE#	VIN#	STATE	COLOR
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VEHICLES INVOLVED	Driver <u>N/A</u> D.O.B. <u>N/A</u> AGE <u>N/A</u> SEX <u>N/A</u>						
	Home Address <u>N/A</u> Home Phone <u>N/A</u> Race <u>N/A</u>						
	Occupation <u>N/A</u> Place of Employment <u>N/A</u>						
	DL# <u>N/A</u> Type <u>N/A</u> State <u>N/A</u>						
	Restrictions <u>N/A</u> SS# <u>N/A</u> Work Phone <u>N/A</u>						
	Insurance <u>N/A</u> Policy No. <u>N/A</u>						
	Owner <u>N/A</u> D.O.B. <u>N/A</u> Age <u>N/A</u> Sex <u>N/A</u>						
	Address <u>N/A</u> Phone No. <u>N/A</u>						
	Vehicle Traveling <input type="checkbox"/> East <input type="checkbox"/> West <input type="checkbox"/> North <input type="checkbox"/> South On <u>N/A</u>						
	Impoundment <input type="checkbox"/> Yes <input type="checkbox"/> No Vehicle Moved To <u>N/A</u>						
Posted Speed: <u>N/A</u> MPH Driver's Estimated Speed <u>N/A</u> MPH							
CIRCLE POINT OF IMPACT (SHADE DAMAGED AREAS)  AMOUNT \$ <u>0</u> .00 T TOP U UNDERCARRIAGE N NONE							
YEAR	TRAILER (Other Unit)	MAKE	MODEL	PLATE #	VIN#	COLOR	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	

FORM 4

PAGE #02

ACCIDENT		CASE NO.	
CLASSIFICATION: <u>AUTO-OBJECT</u>		GPD#19-26851/ PAPD 19-063	
VIOLATOR(S): Veh. # <u>V-1</u> <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other			
Name <u>JASON TAITANO</u>		Charge(s) <u>N/A</u>	
DISPOSITION: <input type="checkbox"/> Arrested <input type="checkbox"/> Citation Issued <input checked="" type="checkbox"/> Verbally Warned Ticket No. _____			
INJURY CODE: (1) Complaint of pain, no visible injuries. (2) Bruises, abrasions, swelling, limping, etc. (3) Bleeding wound, distorted member. (4) Dead at time of report.		SEAT CODE: <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;"> 7 4 1 8 5 2 9 6 3 </div> </div>	
VEHICLE # <input type="checkbox"/> Injury Code <input type="checkbox"/> Driver <input type="checkbox"/> Passenger <input type="checkbox"/> Pedestrian <input type="checkbox"/> Seat Code Use (a) As Additional, Passenger Example (5a)			
(1) <u>N/A</u> <u>N/A</u> <u>N/A</u>		Race Sex Age D.O.B. Soc. Sec. #	
First M.I. Last			
Home Phone <u>N/A</u> Bus. Phone <u>N/A</u>		Transported to <u>N/A</u> Transported by <u>N/A</u>	
VEHICLE # <input type="checkbox"/> Injury Code <input type="checkbox"/> Driver <input type="checkbox"/> Passenger <input type="checkbox"/> Pedestrian <input type="checkbox"/> Seating Code			
(2) <u>N/A</u> <u>N/A</u> <u>N/A</u>		Race Sex Age D.O.B. Soc. Sec. #	
First M.I. Last			
Home Phone <u>N/A</u> Bus. Phone <u>N/A</u>		Transported to <u>N/A</u> Transported by <u>N/A</u>	
WITNESS(ES)			
(1) Name <u>RONALD W BLADE</u> Home Address <u>486 NORTH MARINE CORP DRIVE PITI GUAM</u>			
Home Phone <u>472-8338</u> Bus. Phone <u>N/A</u> D.O.B. <u>12/24/1950</u> Soc. Sec. #/I.D. # _____			
(2) Name <u>N/A</u> Home Address <u>N/A</u>			
Home Phone <u>N/A</u> Bus. Phone <u>N/A</u> D.O.B. <u>N/A</u> Soc. Sec. #/I.D. # <u>N/A</u>			
ADDITIONAL INFORMATION: (Injured Person(s), Passenger(s), Witness (es), ...Etc.)			
VEH#	NAME	HOME ADDRESS	HOME PHONE BUS. PHONE INJURY CODE SEAT CODE
	ADDITIONAL INFORMATION: WITNESS (OWNER OF RESIDENCE) MR. RONALD BLAKE VERBALLY STATED THAT HE HAD CALLED GUAM WATER WORKS TO REPORT A SEWER LEAK WITHIN HIS RESIDENCE.		<input type="checkbox"/> <input type="checkbox"/>
	AS THE GUAM WATER WORKS PERSONNEL NAMELY JASON TAITANO APPROACHED MR. BLADE'S RESIDENCE HE HAD ACTIVATED THE ELECTRONIC GATE WITH A HAND HELD REMOTE.		<input type="checkbox"/> <input type="checkbox"/>
	WHILE MR. BLADE'S GATE WAS OPENING, MR. TAITANO PROCEEDED FORWARD NOT ALLOWING THE GATE TO OPEN COMPLETELY CAUSING HIS VEHICLE TO STRIKE THE GATE.		<input type="checkbox"/> <input type="checkbox"/>
	AT THIS TIME IS WHEN MR. TAITANO STOPPED HIS VEHICLE AND CALLED GUAM WATER WORKS SAFETY PERSONNEL.		<input type="checkbox"/> <input type="checkbox"/>
			<input type="checkbox"/> <input type="checkbox"/>
1.			
2.			
3.			
Assigned Officer: <u>POI WK DRLON</u>		I.D. No. <u>1828</u>	ASSIGNED PRECINCT <input type="checkbox"/> NPC <input type="checkbox"/> CPC <input type="checkbox"/> SPC <input checked="" type="checkbox"/> OTHER <u>PAPD</u>
Supervisor Approving: <u>LT. J.A SANDLIN</u>		I.D. No. <u>1748</u>	CASE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> SUSPENDED <input checked="" type="checkbox"/> CLOSED
Forwarded To: <input type="checkbox"/> TRAFFIC INVESTIGATIONS <input type="checkbox"/> SPECIAL INVESTIGATIONS <input type="checkbox"/> ATTORNEY GENERAL		<input checked="" type="checkbox"/> OTHER <u>GPD RECORDS</u>	
<input type="checkbox"/> CRIMINAL INVESTIGATIONS <input type="checkbox"/> JUVENILE INVESTIGATIONS			

FORM 4

CHEMICAL TESTS

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Blood Narcotics Results	Where Tested	Time	By Whom
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Blood Alcohol Results	Where Tested	Time	By Whom
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Urine Alcohol Results	Where Tested	Time	By Whom
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Breath Alcohol Results	Where Tested	Time	By Whom
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Field Sobriety Results	Where Tested	Time	By Whom
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	Where Tested	Time	By Whom

1/3 2/4

<input type="checkbox"/>	<input type="checkbox"/>	Going Straight
<input type="checkbox"/>	<input type="checkbox"/>	Turn Right to Private Drive
<input type="checkbox"/>	<input type="checkbox"/>	Turning Left to Street
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Turning Left to Private Drive
<input type="checkbox"/>	<input type="checkbox"/>	Slowing or Stopped for Signal or Sign
<input type="checkbox"/>	<input type="checkbox"/>	Slowing or Stopped for Entering Traffic
<input type="checkbox"/>	<input type="checkbox"/>	Slowing or Stopped Other
<input type="checkbox"/>	<input type="checkbox"/>	Starting in Traffic
<input type="checkbox"/>	<input type="checkbox"/>	Starting from Parked Position
<input type="checkbox"/>	<input type="checkbox"/>	Stopped in Traffic Lane
<input type="checkbox"/>	<input type="checkbox"/>	Parked Unattended
<input type="checkbox"/>	<input type="checkbox"/>	Backing from Drive Way
<input type="checkbox"/>	<input type="checkbox"/>	Backing from On-Street Parking Space
<input type="checkbox"/>	<input type="checkbox"/>	Entering from Private Roadway
<input type="checkbox"/>	<input type="checkbox"/>	Changing Lanes
<input type="checkbox"/>	<input type="checkbox"/>	Passing
<input type="checkbox"/>	<input type="checkbox"/>	Other _____

1/3 2/4

☒ ☐ Yes

☐ ☐ No

☐ ☐ Unknown

1/3 2/4
☐ ☐ Yes
☐ ☐ No
☐ ☐ Unknown

☐ Right Angle
☒ Sideswipe (Same Direction,
Opposite Direction)
☐ Head On
☐ Rear End
☐ Turning from Wrong Lane
☐ Left Turn (Opposing Traffic)
☐ Left Turn (Crossing Traffic)
☐ Right Turn (Crossing Traffic)
☐ Object on Roadway
☐ Pedestrian
☐ Other _____

1/3	2/4	Pedestrian
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Apparently Normal
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Physically Handicapped
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Wearing Glasses
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Illness
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Had Not Been Drinking
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Had Been Drinking, and
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ability Impaired
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Ability Not Impaired
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Unknown Whether Impaired
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other

☐ Clear
☒ Cloudy
☒ Rainy
☐ Storm
☐ Typhoon
☐ Other _____

ROAD DEFECTS
☐ Defective Shoulders
☐ Holes, Deep Ruts
☐ Loose Material on Surface
☒ No Defects
☐ Other _____

☐ Dawn
☒ Daylight
☐ Dusk
☐ Dark (Street Lights Off)
☐ Dark (Street Lights On)
☐ Dark (No Street Lights)

☒ Asphalt
☐ Concrete
☐ Dirt/Sand
☐ Gravel

 Dry

☐ Wet
☐ Muddy
☐ Unknown
☐ Other _____

1/3	2/4
<input type="checkbox"/>	<input type="checkbox"/> Failure to Yield
<input type="checkbox"/>	<input type="checkbox"/> Following too Closely
<input type="checkbox"/>	<input type="checkbox"/> Improper Passing
<input type="checkbox"/>	<input type="checkbox"/> Improper Turn
<input type="checkbox"/>	<input type="checkbox"/> Drinking
<input type="checkbox"/>	<input type="checkbox"/> Speeding
<input type="checkbox"/>	<input type="checkbox"/> Weather (inclement)
<input type="checkbox"/>	<input type="checkbox"/> Disregard Stop Sign
<input type="checkbox"/>	<input type="checkbox"/> Disregard Signal
<input type="checkbox"/>	<input type="checkbox"/> Wrong Side of Road
<input checked="" type="checkbox"/>	<input type="checkbox"/> Inattention
<input type="checkbox"/>	<input type="checkbox"/> Avoiding Vehicle, Pedestrian, Object
<input type="checkbox"/>	<input type="checkbox"/> Vision Obstructed

By _____
☐ Unknown
☒ Other INSUFFICIENT CLEARANCE

1/3 2/4

☒ No Control

☐ Stop Sign

☐ Traffic Signal

☐ Flashing Signal

☐ Yield Sign

☐ Police Officer

☐ Flagman

☐ No Passing Zone

☐ Other

1/3	2/4	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Curve
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	Upgrade
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Downgrade
<input type="checkbox"/>	<input type="checkbox"/>	Hill Crest
<input type="checkbox"/>	<input type="checkbox"/>	Dip
<input type="checkbox"/>	<input type="checkbox"/>	Level
<input type="checkbox"/>	<input type="checkbox"/>	Other

1/3 2/4

☐ One Lane

☐ Two Lanes

☐ Three Lanes

☐ Four Lanes

☐ One Way

☐ Merging Lanes

☐ W/Median Lanes

☐ Lanes Under Construction

☒ Other

RESIDENTIAL

1/3 2/4

<input type="checkbox"/>	<input type="checkbox"/> Defective Brakes
<input type="checkbox"/>	<input type="checkbox"/> Improper Lights
<input type="checkbox"/>	<input type="checkbox"/> Defective Steering Mechanism
<input type="checkbox"/>	<input type="checkbox"/> Defective Tires
<input checked="" type="checkbox"/>	<input type="checkbox"/> No Defects
<input type="checkbox"/>	<input type="checkbox"/> Tinted Windows
<input type="checkbox"/>	<input type="checkbox"/> Other

Was Going N/A ☐ On ☐ Across From To
Direction (N.S.E.W.) Street, Hwy No. (S.E. Corner to N. E. Corner, or West Side to East Side)

- ☐ Crossing at Intersection with Signal
- ☐ Same - Against Signal
- ☐ Same - No Signal
- ☐ Same - Diagonally
- ☐ Crossing not at Intersection
- ☐ Coming from behind Parked Cars
- ☐ Other _____

☐ Walking on Roadway (Check Two)
 1 With Traffic 3 Sidewalks Available
 2 Against Traffic 4 Sidewalks Not Available

☐ Standing in Safety Zone

☐ Getting on or off Other Vehicle

☐ Pushing or Working on Vehicle

☐ Working on Roadway
☐ Playing on Roadway
☐ Hitching on Vehicle
☐ Not in Roadway (Explain) _____
☐ Yes ☐ No Were Crosswalks Marked?
☐ Yes ☐ No Was Pedestrian Inside Markings?
☐ Yes ☐ No Extensions of Sidewalk Lines?



TO SCALE: ☐ Yes ☒ No

DIAGRAM NOT DRAWN
DUE TO VEHICLE #1
MOVED PRIOR TO MY
ARRIVAL

CASE NO. GPD#19-26851/PAPD 19-063

SCENE MEASUREMENTS

[illegible]

☐ COORDINATION METHOD
☐ TRIANGULATION METHOD
☐ OTHER _____

VEHICLE #1 FAILED TO HALT TO AN OPENING ELECTRIC GATE THUS STRIKING THE GATE WITH THE PASSENGER FRONT SIDE OF UTILITY BED.

Assigned Officer: POI WK DRLON I.D. No. 1828

Supervisor Approving: LT. J.A SANDLIN I.D. No. 1748

Forwarded To: ☐ TRAFFIC INVESTIGATIONS ☐ SPECIAL INVESTIGATIONS
☐ CRIMINAL INVESTIGATIONS ☐ JUVENILE INVESTIGATIONS

☐ NPC ☐ CPC ☒ OTHER PAPD

☐ OPEN ☐ SUSPENDED ☒ CLOSED

☐ ATTORNEY GENERAL
☒ OTHER GPD RECORDS

ZHONG BAO CONSTRUCTION COMPANY

**PMB 186 979 Army Drive Barrigada, Gu 96913 TEL: 477-8889 FAX: 477-8889 E-mail: jianbing306@gmail.com
CELL: 727-8889**

PROPOSAL

**Attn: Ron Blade
From: Zhong Bao Construction.
Subject: Repair damage gate and install new gate in piti, Guam.**

I would like to submit my estimation and scope of work as follows:

- 1, Repair old damage Gate to be can open and close.
- 2, Measure the entrance of the courtyard to order a new Gate with motor.(20 remote control)
- 3, Remove the damage gate and track.
- 4, Remove the old gate motor with electronic sensor.
- 5, Use auto paint painting the new gate match color the old one.
- 6, Install the new gate and track.
- 7, Install the new motor with new electronic sensor.
- 8, Touch up paint the damage area.
- 9, Dispose the damage gate with motor and construction waste.
- 10, Clean the job.
- 11, One year warranty.

The total equipment material and labor cost-----\$13,000.00

Down payment 50% is required.

Sincerely,



9/18/2019

Jianbing Wu

Exhibit C

ZHONG BAO CONSTRUCTION COMPANY

**PMB 186 979 Army Drive Barrigada, Gu 96913 TEL: 477-8889 FAX: 477-8889 E-mail: jianbing306@gmail.com
CELL: 727-8889**

RECEIPT

**Attn: Ron Blade
From: Zhong Bao Construction.
Subject: Repair damage gate and install new gate in piti, Guam.**

I would like to submit my scope of work as follows:

- 1, Repair old damage Gate to be can open and close.
- 2, Measure the entrance of the courtyard to order a new Gate with motor.(20 remote control)
- 3, Remove the damage gate ..
- 4, Remove the old gate motor with electronic sensor.
- 5, Use auto paint painting the new gate match color the old one.
- 6, Install the new gate ..
- 7, Install the new motor with new electronic sensor.
- 8, Touch up paint the damage area.
- 9, Dispose the damage gate with motor and construction waste.
- 10, Clean the job.
- 11, One year warranty.

**The total equipment material and labor cost-----\$13,000.00
Payment has been received-----\$13,000.00
No balance payment.**

Sincerely,



Jianbing Wu

11/13/2019

RONALD W. BLADE MAE K. CRUZ P.O. BOX 1878 HAGATNA, GUAM 96932		<u>7/16/19</u> Date	4845 101-7038/2214 7001
Pay to the Order of <u>ZABUG BAO CONST</u>		<u>\$ 2500 00</u> Dollars	<input checked="" type="checkbox"/> CHECK <input type="checkbox"/> AMOUNT
Bank Pacific <small>Member FDIC</small> 131 Agaña Heights, Hagatna, GU 96910-5116 www.bankpacific.com		From for Deposit Withdrawal	
For <u>Cash</u>		<u>Chris Balle</u>	
⑆3214 [REDACTED]		4845	

⑆00419 20050001155367 > 121405018 < BOH 0059

RONALD W. BLADE
MAE K. CRUZ
P.O. BOX 1878
HAGATNA, GUAM 96932

4850
101-7036/3214
7001

9/28/19 Date

Pay to the Order of Francis W. W. \$ 4,000.00
four thousand 00/100 Dollars

Bank Pacific
1000 Century Park East, Suite 1000
Alhambra, CA 91801-1000
www.bankpacific.com

For John [Signature]

103214 4850

121301015< FHB 10022019 00300501

Account Number
Telex #14

39

FOR DEPOSIT WITH
FIRST HAWAIIAN BANK
MAIHE BRANCH - 03
TO THE CREDIT OF PAYEE
Absence of Endorsement Guaranteed

RONALD W. BLADE
MAE K. CRUZ
P.O. BOX 1878
HAGATNA, GUAM 96932

4808
101-7036/3214
7001

11/12/19 Date

Pay to the Order of John Benj. W. Cruz \$ 5500.00

five thousand five hundred 00/100 Dollars

Bank Pacific
11111 Highway 100, Suite 100, San Diego, CA 92121-1111
www.bankpacific.com


For John Benj. W. Cruz

1:3214 4808

>121405238< FHB 11132019 003005015171020

Account Number
Triller #08

For deposit with
FIRST HAWAIIAN BANK
100 MAIHE, BRANCH - 03
TO THE CREDIT OF PAYEE
Absence of Endorsement Guaranteed

RONALD W. BLADE MAE K. CRUZ P.O. BOX 1678 HAGATNA, GUAM 96932		4868 101-7036/2214 7081
<u>3/20/2020</u> Date		CHECK IMAGE
Pay to the Order of <u>Guanching Wuu</u>	<u>\$1,000.00</u>	
<u>One thousand</u> <u>00</u> <u>100</u>	Dollars	 EXP-10 Bank Security Deposit on Line
BankPacific <small>Member FDIC 101 Agaña Avenue, Hagatna, GU 96910-6104 www.bankpacific.gu</small>		
For <u>Gift</u>	<u>[Signature]</u>	
123214 <u>[Redacted]</u>	4868	

>121405238< FHB 03242020 003003004684330	
Account Number Teller #22	For deposit with FIRST HAWAIIAN BANK TO THE CREDIT OF PAYEE Absence of Enforcement Guarantee

Exhibit D

State of Guam, Government of Guam
Department of Land Management Office of the Recorder

File for Record is Instrument No. 837156

On the Year 12 Month 05 Day 29 Time 12:10

Recording Fee 25 Receipt No. 32803

Deputy Recorder [Signature]

ORDER AND FINAL DECREE OF DISTRIBUTION

837156

FILED
SUPERIOR COURT
OF GUAM

2012 MAY -3 PM 3:06

LAW OFFICE OF CATHERINE BEJERANA CAMACHO, ESQ.

267 S. Marine Corps Drive
UIU Building, Suite 302
Tamuning, Guam 96913
Telephone: (671) 647-4222
Facsimile: (671) 647-4223
Email: cbclawoffice@gmail.com

Attorney for Administratrix
MAE K. CRUZ

IN THE SUPERIOR COURT OF GUAM

IN THE MATTER OF THE ESTATE

PROBATE NO. PR0041-11

OF

JUAN SAN NICOLAS CRUZ and
GRIETJE KAMMINGA CRUZ,

Deceased,

**ORDER AND FINAL DECREE
OF DISTRIBUTION**

BY

MAE K. CRUZ,

Petitioner.

Mae K. Cruz, Administratrix of the Estates of Juan San Nicolas Cruz and Grietje Kamminga Cruz, deceased, having filed her Final Report and Petition for Final Distribution of said Estate, and said Petition having come on regularly on February 16, 2012 and February 23, 2012, and proof having been made to the satisfaction of the Court that the Clerk of Court has given notice of the hearing of said Petition in the manner and for the time required by law, the Court finds:

1. That due and legal Notice to creditors of said Estate has been given in the manner and for the time required by the law.
2. That no claims or debts against said Decedents and against said Estate were filed, and that said Estate is ready for distribution and is now in a condition to be closed.
3. That there is no opposition to distribution of the Estate as set forth in the Petition.
4. That the attorneys' fees and costs of \$6,745.81 is approved and ordered.
5. That the Estate is chargeable for court costs of \$_____.
6. That the property of the Estate should be distributed as follows:

1 IN THE MATTER OF THE ESTATE OF JUAN CRUZ AND GRIETJE CRUZ
 2 ORDER AND FINAL DECREE OF DISTRIBUTION

3
 4 A. To Mae K. Cruz, LOT NUMBER 107-6-1, MUNICIPALITY OF
 5 PITI, GUAM, containing an area of 745 square meters, and to
 6 improvements sitting on said Lot, as her sole and separate property.

7 B. To Mae K. Cruz, Tax Refunds in the amount of \$513.28.

8 7. That Mae K. Cruz's buy-out of the Estate of Simon K. Cruz's interest is approved.

9 8. That Mae K. Cruz's buy-out of the Estate of Anthony K. Cruz's interest is approved.

10 **IT IS THEREFORE ORDERED, ADJUDGED AND DECREED** that the final
 11 account of said Administratrix be and the same is hereby finally settled, allowed and approved.

12 **IT IS THEREFORE ORDERED, ADJUDGED AND DECREED** that the attorneys
 13 fees and costs, and court closing costs enumerated above is hereby allowed and approved.

14 **IT IS ALSO HEREBY ORDERED, ADJUDGED, AND DECREED**, that the
 15 property of the Estate should be distributed as follows:

16 A. To Mae K. Cruz, LOT NUMBER 107-6-1, MUNICIPALITY OF PITI,
 17 GUAM, containing an area of 745 square meters, and to improvements
 18 sitting on said Lot, as her sole and separate property. Upon the filing of this
 19 instant Order and Final Decree of Distribution to the Department of Land
 20 Management, Government of Guam, said Department of Land Management
 21 shall release a Certificate of Title to said property to Mae K. Cruz, naming her
 22 as legal and rightful owner of said property.

23 B. To Mae K. Cruz, Government of Guam Tax Refunds in the aggregate amount
 24 of \$513.28 (payable to GRIETJE KAMMINGA CRUZ). Mae K. Cruz is able
 25 to endorse the checks and that monies on said refund checks shall be released
 26 to Mae K. Cruz. In the alternative, Government of Guam is ordered to re-issue
 27 said refund checks in Mae K. Cruz's name and release such checks to Mae K.
 28 Cruz.

IT IS ALSO HEREBY ORDERED, ADJUDGED, AND DECREED,

A. That Mae K. Cruz shall buy-out the interest of the Estate of Simon K. Cruz.
 Mae K. Cruz shall deposit in a Trust Account with Bank of Guam,
 \$22,724.04, as payment for the Estate of Simon K. Cruz's 1/7 interest in the
 Estate. The heirs of Simon K. Cruz shall have five years from the date of the
 deposit to probate the monies, and the monies shall be released only by a
 Court Order. If the monies are not released within five years from the date of
 the deposit of the monies, Bank of Guam is **ORDERED** to automatically
 release the deposited funds to Mae K. Cruz, without obtaining a prior Court
 Order.

1 IN THE MATTER OF THE ESTATE OF JUAN CRUZ AND GRIETJE CRUZ
 2 ORDER AND FINAL DECREE OF DISTRIBUTION

3
 4 B. That Mae K. Cruz shall buy-out the interest of the Estate of Anthony K. Cruz:
 5 Mae K. Cruz shall deposit in a Trust Account with Bank of Guam,
 6 \$22,724.04, as payment for the Estate of Anthony K. Cruz's 1/7 interest in the
 7 Estate within thirty days from the issuance of the instant Decree. The heirs of
 8 Anthony K. Cruz and Angela Cruz Onishi shall have five years from the date
 9 of the deposit to probate the monies, and the monies shall be released only by
 a Court Order. Upon Mae K. Cruz's deposit of the monies, Angela Cruz
 Onishi's Counsel, will be given the information on the Bank of Guam account.
 If the monies are not released within five years from the date of the deposit,
 Bank of Guam is **ORDERED** to automatically release the funds to Mae K.
 Cruz, without obtaining a prior Court Order.

10 **IT IS FURTHER ORDERED, ADJUDGED AND DECREED** that the Estate and
 11 residue thereof hereinafter particularly described, and any other property, whether real property or
 12 personal property or mixed, not now known or discovered which may belong to said Estate or in
 13 which said Estate may have an interest, be and the same is hereby distributed as described herein.

14 **IT IS FURTHER ORDERED, ADJUDGED, AND DECREED** that Catherine Bejerana
 15 Camacho, Esq. and the Law Office of Catherine Bejerana Camacho, Esq., be and hereby is
 16 discharged as attorneys of record of the Estate.

17 **IT IS FURTHER ORDERED, ADJUDGED, AND DECREED** that Mae K. Cruz be and
 18 hereby is discharged as Administratrix of the Estate upon the filing of the Decree of Final
 19 Distribution with the Department of Land Management, Government of Guam, the release of tax
 20 refunds by the Department of Revenue and Taxation, or upon the release of all the deposited funds
 21 in the Trust Account with Bank of Guam, whichever comes later.

22 **MAY 03 2012**
 23 **SO ORDERED:** _____, 2012.

24 Original Signed By:
 25 Hon. E. Barrett-Anderson

26 **HONORABLE ELIZABETH BARRETT-ANDERSEN**
 27 JUDGE, Superior Court of Guam

28 MAY 13 2012
Sammy L. Pinyan

1 IN THE MATTER OF THE ESTATE OF JUAN CRUZ AND GRIETJE CRUZ
2 ORDER AND FINAL DECREE OF DISTRIBUTION

3
4 Approved as to Form and Content

Original Signed by

5 **GEORGETTE BELLO CONCEPCION**

DATE: 3/30/12

6 GEORGETTE BELLO CONCEPCION
Attorney for Agela Cruz Onishi

SUPERIOR COURT OF GUAM

CERTIFICATE OF MARRIAGE

Pursuant to Marriage Licence No. 7667 issued by the Government of Guam:

I, BENJAMIN J. F. CRUZ, by virtue of authority vested upon me as

Judge of the Superior Court of Guam,

HEREBY CERTIFY that on MARCH 1, 19 87, at Agana, Guam,

have joined in marriage,

RONALD WILLIAM BLADE and MAE KAMMINGA CRUZ

in the presence of JUAN CRUZ, residing at PITI

and GRIETJE CRUZ, residing at PITI

BENJAMIN J. F. CRUZ
JUDGE, SUPERIOR COURT OF GUAM

Exhibit E

Release and Settlement Agreement re: GWA GC File No. 2019-005
Ronald W. Blade and Mae K. Cruz

RELEASE AND SETTLEMENT AGREEMENT

KNOWN TO ALL MEN BY THESE PRESENTS:

That for and in consideration of the sum of Thirteen Thousand Dollars (\$13,000.00) money of the United States, Ronald W. Blade and Mae K. Cruz, whose residential address is 1486 N. Marine Corps Drive, Piti, Guam 96915 and whose mailing address is P.O. Box 1878, Hagatna, Guam 96932 (hereafter referred to as "Releasors"), does by these presents, remise, release and forever discharge the Guam Waterworks Authority, a public corporation organized and existing under the laws of Guam, whose address is 688 Route 15 Mangilao, Guam 96913 (hereafter referred to as "Releasee"), its agents, servants, officers, and employees, and each of them, and all other persons, firms, corporations, insurers, associations, or partnerships having any interest in or in any way connected with said Releasees, of all claims and demands for damages of every kind and nature whatsoever, and whether now known or unknown, by reason of or arising from that certain incident more particularly described in the Guam Waterworks Authority Government Claim File 2019-005 filed by Releasors with the Guam Waterworks Authority on September 24, 2019 and attached herein as Exhibit A.

In further consideration of the payment of Thirteen Thousand Dollars (\$13,000.00), the Releasors do hereby knowingly, voluntarily, and expressly waive the benefits of the provisions of 18 GCA § 820602, which reads as follows:

A general release does not extend to claims which the creditor does not know or suspect to exist in his favor at the time of executing the release, which if known by him must have materially affected his settlement with the debtor.

The Releasors further declare and represent and hereby agrees that this Release and Settlement Agreement expresses a full and complete settlement of a liability claimed and denied, and that regardless of the adequacy of the compensation, this Release and Settlement Agreement is intended to avoid litigation, and that there is absolutely no promise, inducement or agreement on the part of the Releasee to make any payment or do any act or thing other than what is expressly stated and clearly agreed to herein, and that this Release and Settlement Agreement are contractual and not a mere recital.

GWA: _____
R. Blade: RS
M. Cruz: MC

1 of 3

Release and Settlement Agreement re: GWA GC File No. 2019-005
Ronald W. Blade and Mae K. Cruz

Releasors further jointly and severally agrees to indemnify, defend and hold harmless Releasee, its agents, servants and employees, and each of them, and all other persons, firms, corporations, associations, or partnerships, having any interest in, or in any way connected with said Releasee, from and against any and all loss, liability, and expenses of whatsoever kind or nature, including but not limited to attorney's fees which may arise from the assertion by Releasors or any third party of any claim against anyone arising out of the incident and occurrence that are the basis of the Guam Waterworks Authority Government Claim File 2019-005 attached as Exhibit A herein.

The Releasors hereby declare that they have read the foregoing Release and Settlement Agreement and that they have executed the same of their own free will and accord.

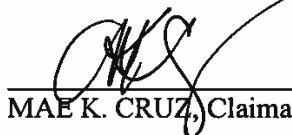
This Release and Settlement Agreement consists of three (3) pages, each of which has been initialed by the Releasors and Releasee at the lower left corner, and the Releasors have retained a copy of the Release and Settlement Agreement.

Dated this _____ day of April, 2020

FOR RELEASORS:



RONALD W. BLADE, Claimant



MAE K. CRUZ, Claimant



SETTLEMENT OF GOVERNMENT CLAIM APPROVED BY:

FOR RELEASEE:

MIGUEL C. BORDALLO, P.E.,
General Manager
Guam Waterworks Authority

DATE: _____

GWA: _____
R. Blade: 
M. Cruz: 

2 of 3

Release and Settlement Agreement re: GWA GC File No. 2019-005
Ronald W. Blade and Mae K. Cruz

SETTLEMENT OF GOVERNMENT CLAIM APPROVED BY:

THE HONORABLE LOURDES A. LEON GUERRERO
Governor of Guam
DATE: _____

APPROVED AS TO FORM AND LEGALITY:

LEEVIN T. CAMACHO
Attorney General of Guam
DATE: _____

///



///

///

///

///

///

GWA:
R. Blade: 
M. Cruz: 



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

Issues for Decision

Resolution No. 26- FY2020

Relative to Authorizing and Approving the Guam Waterworks Authority General Manager the Authority to Settle Government Claims Against the GWA in an Amount Up to \$xxxxx.

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

The objective of the Resolution is to authorize the General Manager the authority to settle government claims against GWA without having to get prior CCU approval up to the amount of \$xxxxx.

Where is the location?

N/A

How much will it cost?

N/A

When will it be completed?

N/A

What is the funding source?

N/A



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

GWA RESOLUTION NO. 26-FY2020

**RELATIVE TO APPROVING THE GUAM WATERWORKS AUTHORITY GENERAL
MANAGER THE AUTHORITY TO SETTLE GOVERNMENT CLAIMS AGAINST THE
GWA IN AN AMOUNT UP TO \$xxxxx**

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, pursuant to 5 GCA Chapter 6, § 6206(b) of the Government Claims Act, the settlement of any government claim in excess of \$3,000.00 (except vehicle claims that are below \$15,000.00) requires CCU approval prior to submitting the settlement documents to the Attorney General and the Governor; and

WHEREAS, in CCU Resolution No. 31-FY2017, the CCU authorized and delegated the General Managers the authority to obligate their respective agencies, including change orders, up to and including the threshold amount of \$750,000.00 (See Exhibit “A”); and

WHEREAS, in CCU Resolution No. 09-FY2020, the CCU authorized and delegated the GWA General Manager contract approval up to \$1,000,000.00 (See Exhibit “B”); and

WHEREAS, in the absence of specific language granting government claim settlement authority to the General Manager, this Resolution seeks to clarify and grant the General Manager said authority to settle government claims up to the amount of \$xxxxx and any settlement in excess of this amount shall require CCU approval; and

//

1 **WHEREAS**, the \$xxxxx threshold will not alter or diminish the current statutory
2 requirements of any applicable approvals required by the Guam Attorney General's office and
3 the Governor, but does specifically delegate the CCU's approval requirement up to \$xxxxx;
4

5 **NOW, THEREFORE, BE IT RESOLVED**, by the Consolidated Commission on
6 Utilities as follows:

- 7 1. The recitals set forth above hereby constitute the findings of the CCU.
- 8 2. After careful consideration of existing policies and best practices, the Consolidated
9 Commission on Utilities finds that authorizing the General Manager of GWA to obligate
10 up to and including the amount of \$xxxxx to settle government claims, is reasonable and
11 prudent.
- 12 3. The General Manager of GWA is hereby authorized to settle government claims on
13 behalf of the GWA up to \$xxxxx, without further CCU approval.
- 14

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

17
18 **DULY AND REGULARLY ADOPTED**, this 26th day of May 2020.

19
20 Certified by:

21 Attested by:

22
23 _____
24 **JOSEPH T. DUENAS**

25 Chairperson

26
27 _____
28 **MICHAEL T. LIMTIACO**

29 Secretary

30 //

31 //

32 //

33 //

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: _____

ABSTENTIONS: _____

ABSENT: _____

///

///

///

///

///

///

///



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

**GPA RESOLUTION NO. 2017-22
GWA RESOLUTION NO. 31-FY2017**

**RELATIVE TO AUTHORIZING AN INCREASE OF
OBLIGATING AUTHORITY FOR THE GENERAL MANAGERS OF
GUAM POWER AUTHORITY AND GUAM WATERWORKS AUTHORITY**

WHEREAS, 12 GCA Chapter 79 created the Consolidated Commission on Utilities (CCU) and authorized the Consolidated Commission on Utilities (CCU) to exercise powers vested in them by the laws establishing the Guam Power Authority (GPA) and the Guam Waterworks Authority (GWA); and

WHEREAS, the current obligating authority granted to the General Managers of GPA and GWA by the CCU is limited to \$250,000; and

WHEREAS, any GPA or GWA expenditure above the \$250,000 threshold requires the Consolidated Commission on Utilities approval; and

WHEREAS, the Consolidated Commission on Utilities grants approval for expenditures above the \$250,000 threshold based on sound justification and prudent governmental and business practices; and

WHEREAS, the current process requires GPA and GWA to return to the CCU for approval of any change orders of any amount approved above the \$250,000 threshold; and

WHEREAS, the CCU desires to streamline the approval process by allowing the General Managers of GPA and GWA the authority to obligate their respective agencies, including change orders, up to and including the threshold amount of \$750,000.00; and

1 **WHEREAS**, the \$750,000.00 threshold will not alter or diminish the current statutory
2 requirements of any applicable notification to the Guam Attorney General's office and/or Guam
3 Public Utility Commission approval;

4
5 **NOW, THEREFORE, BE IT RESOLVED**, by the Consolidated Commission on
6 Utilities as follows:

- 7 1. The recitals set forth above hereby constitute the findings of the CCU.
8 2. After careful consideration of existing policies and best practices, the Consolidated
9 Commission on Utilities finds that authorizing the General Managers of GPA and GWA
10 to obligate their agencies up to and including the amount of \$750,000.00 is reasonable
11 and prudent.
12 3. The General Managers of GPA and GWA are hereby authorized an increase in obligating
13 authority up to and including \$750,000.00 without further CCU approval.
14

15 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption
16 of this Resolution.
17

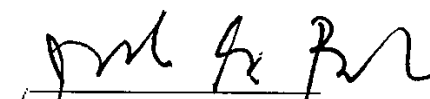
18 **DULY AND REGULARLY ADOPTED**, this 23rd day of May 2017.
19

20 Certified by:

21 

22 _____
23 **JOSEPH T. DUENAS**
24 Chairperson

20 Attested by:

21 
22 _____
23 **J. GEORGE BAMBA**
24 Secretary

25 //

26
27
28 //

29
30
31 //
32

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

I, J. George Bamba, 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:	<u>4</u>
NAYS:	<u>0</u>
ABSTENTIONS:	<u>0</u>
ABSENT:	<u>1</u>

///

///

///

///

///

///

///

///



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. 09-FY2020

**RELATIVE TO THE ADOPTION OF GENERAL PROVISIONS TO GUAM
WATERWORKS AUTHORITY OPERATING BUDGETS**

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

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

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

WHEREAS, the CCU approved GWA's Five-Year Financial Plan for filing with the Public Utilities Commission on June 5, 2019 and GWA submitted the approved plan to the Public Utilities Commission (PUC) on July 6, 2019; and

WHEREAS, the Financial Plan addresses the five-year period of FY2020-FY2024: (1) estimated annual budgets for operations, maintenance and repair of GWA's water and wastewater system, including capital improvement projects; and (2) a descriptive plan for raising sufficient revenue to meet the projected costs set forth in the budgets; and

WHEREAS, the first fiscal period of the Financial Plan started on October 1, 2019 and to avoid interruptions in operational activities pending PUC approval, GWA management maintains authorized spending levels from FY2019; and

1 **WHEREAS**, Management seeks CCU approval to implement general provisions for
2 GWA's operating budgets; and
3


4 **NOW BE IT THEREFORE RESOLVED**; the Consolidated Commission on Utilities
5 does hereby approve the following:
6

- 7 1. Authorized level of positions for FY2020 shall be 400 full-time employees.
- 8 2. The General Manager is authorized to transfer up to ten percent (10%) between and
9 among O&M budget expenses, excluding salaries and benefits; transfers will be
10 reported to the CCU. Any transfers exceeding ten percent (10%) requires CCU
11 approval.
- 12 3. The General Manager's delegated contract approval is authorized at \$1,000,000.00.
13 The General Manager shall seek CCU approval for expenditures in excess of
14 \$1,000,000.00.
- 15 4. This resolution will remain in place unless superseded by the CCU.

16
17 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption
18 of this Resolution.

19
20 **DULY AND REGULARLY ADOPTED**, this 26th day of November, 2019.

21
22 Certified by:

23 

24 **JOSEPH T. DUENAS**
25 Chairperson

26 Attested by:

27 

28 **MICHAEL T. LIMTIACO**
29 Secretary

30 //

31 //

32 //

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:	<u>4</u>
NAYS:	<u>0</u>
ABSTENTIONS:	<u>0</u>
ABSENT:	<u>1</u>

///

///

///

///

///

///

///





Management Report

GWA Work Session, May 19, 2020



Management Update

- Insurance renewal
 - [insert table of insurance coverage changes showing FY19 coverage vs FY20 coverage – ask Taling]
- Series 2020 Bonds
 - S&P Affirmed “A-” rating and assessed stable outlook
 - Moody’s Affirmed “Baa2” rating and removed “Review for Downgrade” but assessed negative outlook
 - Schedule moving forward
 - Investor calls this week Thu, Fri
 - On-Island retail period Wednesday 27th
 - Bond pricing Thursday 28th
 - Closing Thursday June 4th

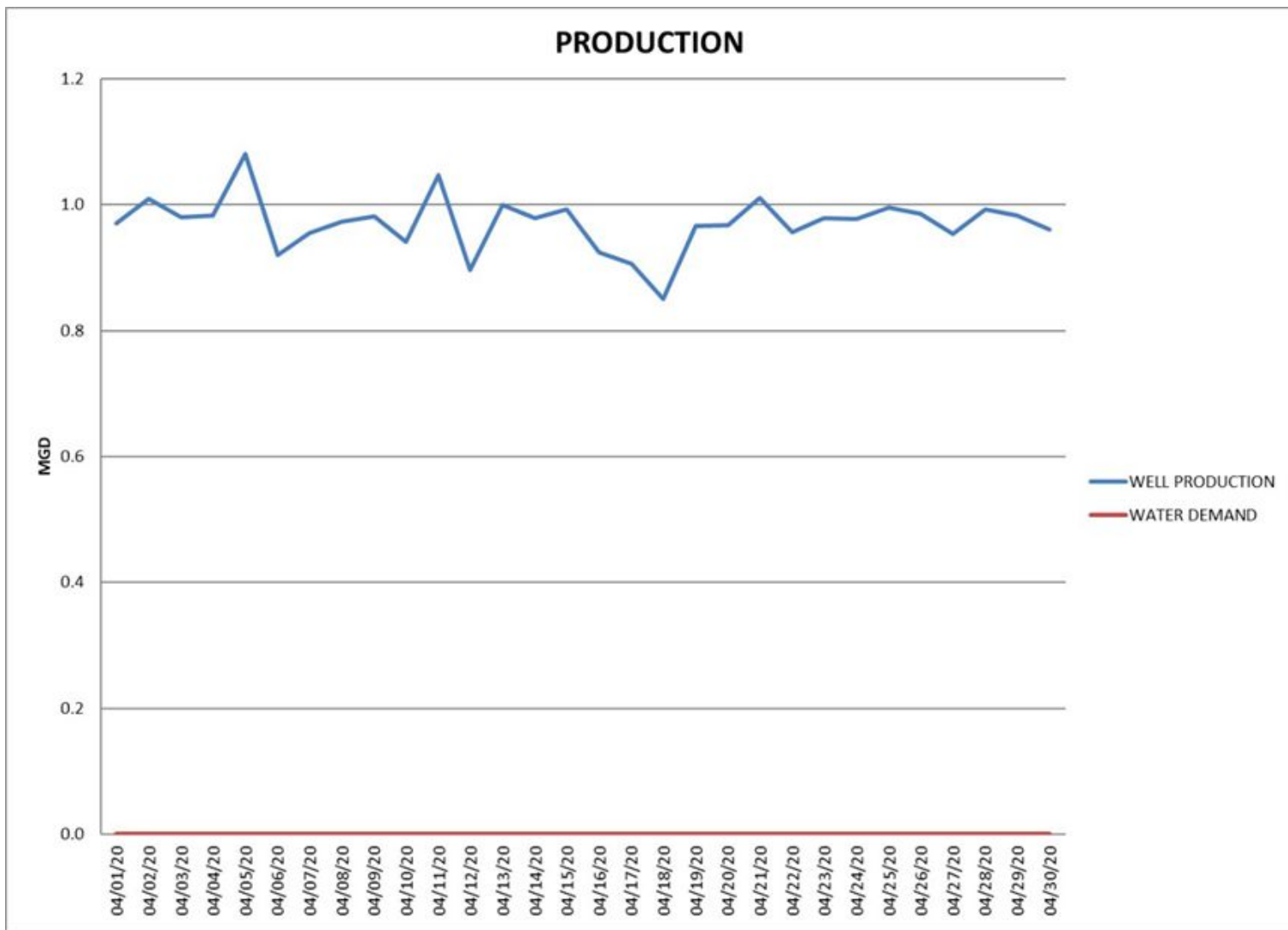
Operations Update

Production (update to March 2020. April 2020 numbers are delayed/pending)

Monthly Production Summary - March 2020				
Deep Wells				36.4 MGD
	Active wells =	96 of 120		
	Avg days in operation =	31 days		
	Total Production =	1,129,425 Kgals		
Springs				0.20 MGD
	Avg days in operation =	31 days		
	Total Production =	6077 Kgals		
Ugum Surface Water Plant				2.3 MGD
	Avg days in operation =	31 days		
	Total Production =	70,831 Kgals		
Tumon Maui Well				0.98 MGD
	Avg days in operation =	31 days		
	Total Production =	30,431 Kgals		
		1,236,764 Kgals	39.9 MGD	

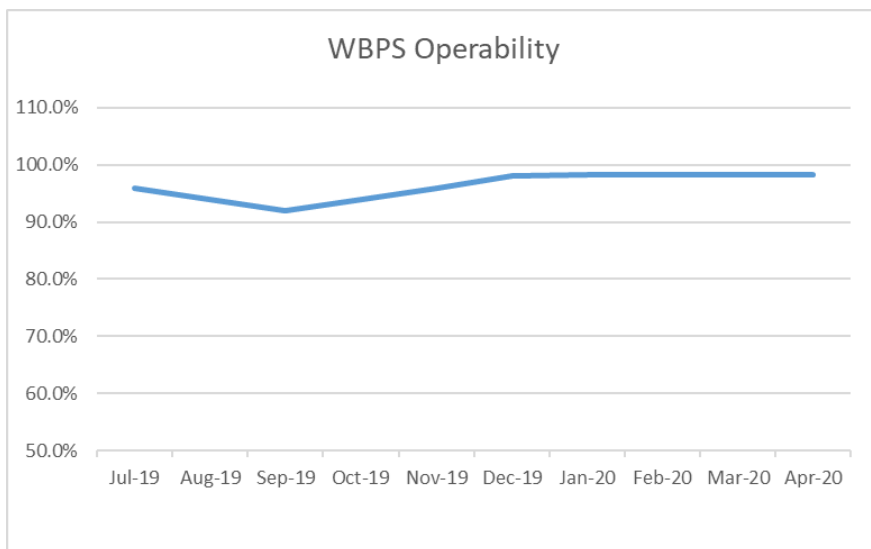
DW Status as of 3/31/2020		
Active	97	
Grounded motor or Pump Failure	5	A26-D03-D08-F06-Y21
	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Temporarily Secured	2	A23-A25
Standby	8	A10-A29-D20-F05-F10-F18-M12-M17B
TOTAL	120	

Tumon Maui Well Production (April 2020)

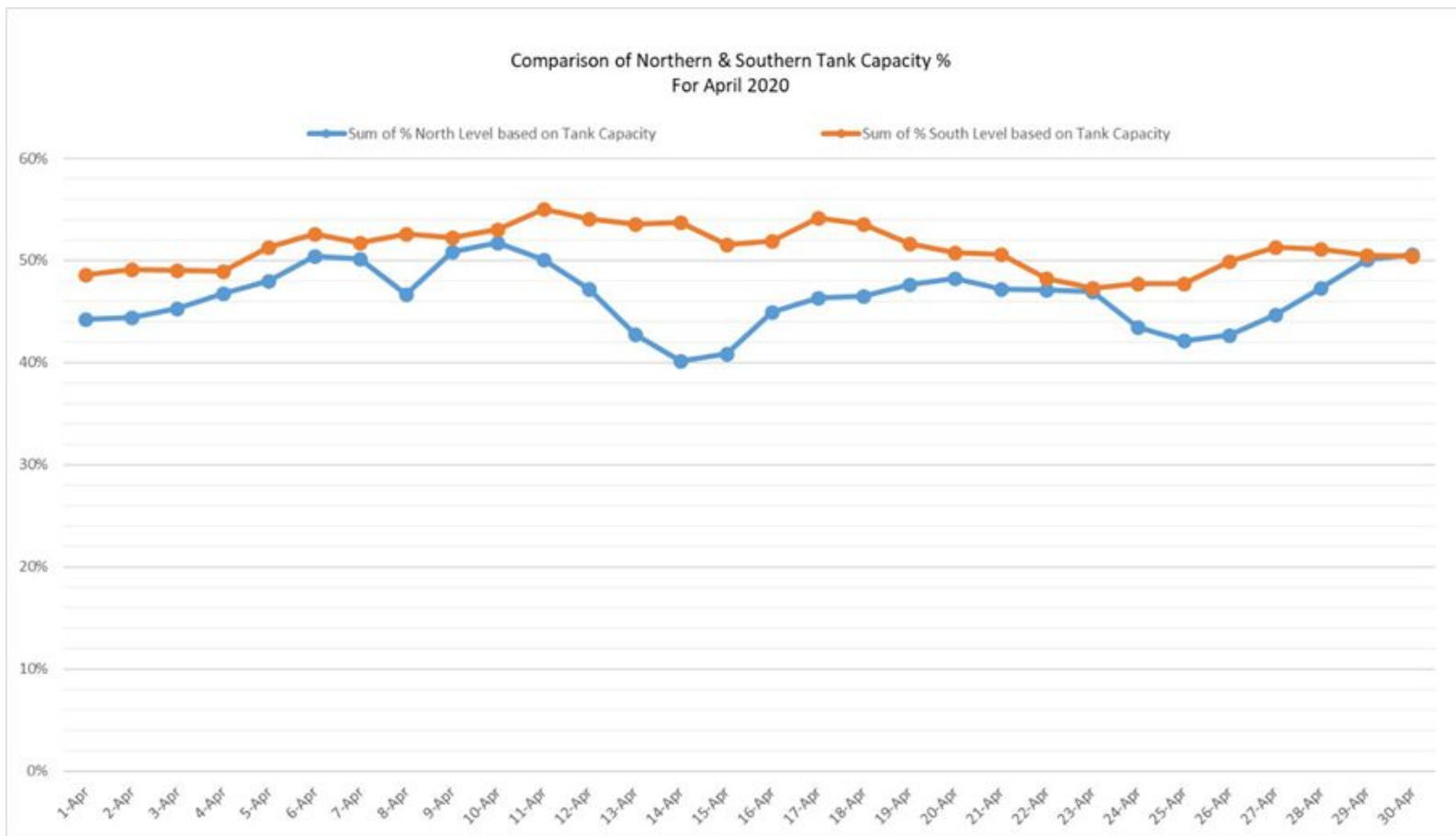


Distribution (April 2020)

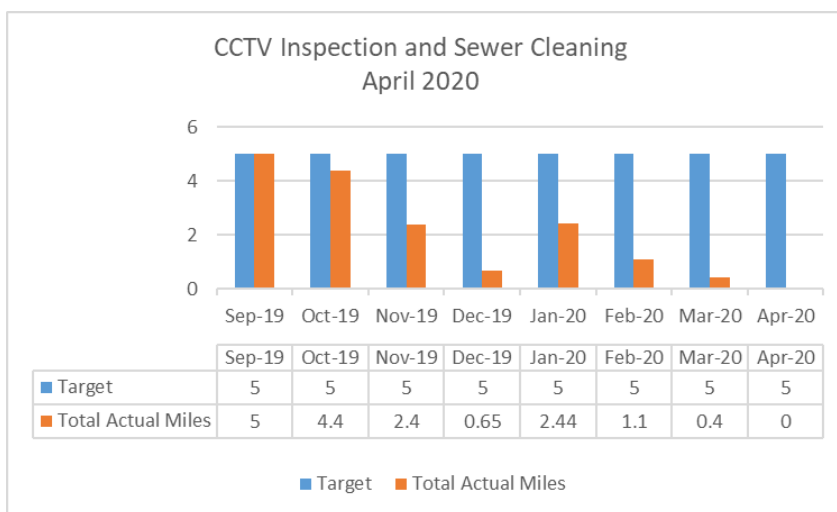
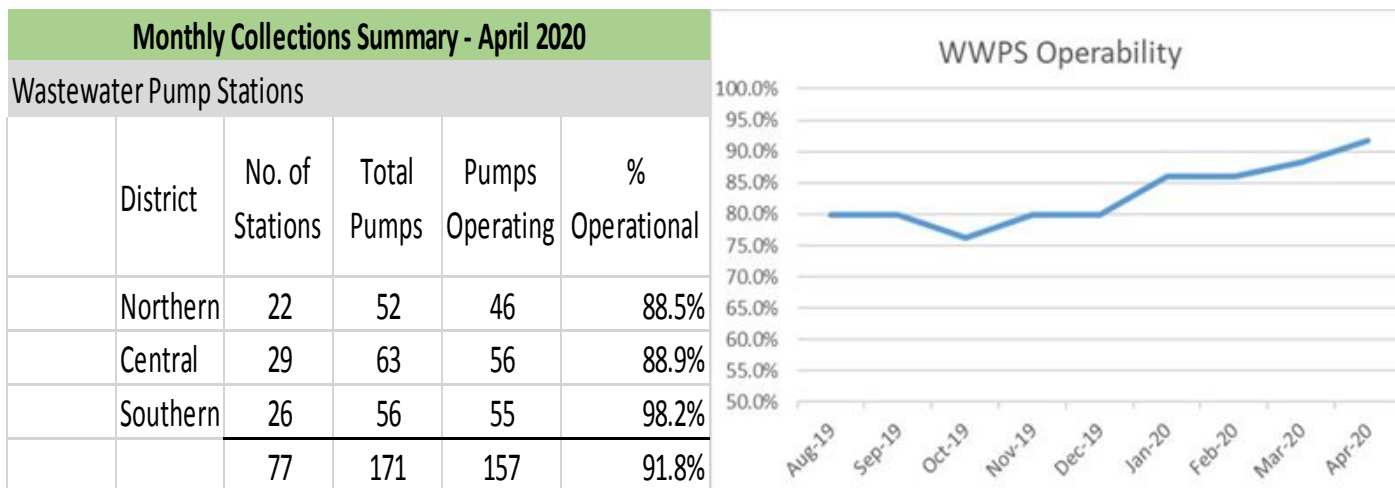
Monthly Distribution Summary - April 2020					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	25	96.2%
	Central	7	15	15	100.0%
	Southern	7	15	15	100.0%
		27	56	55	98.2%



Distribution – Tank Levels (April 2020)



Wastewater Collections (April 2020)

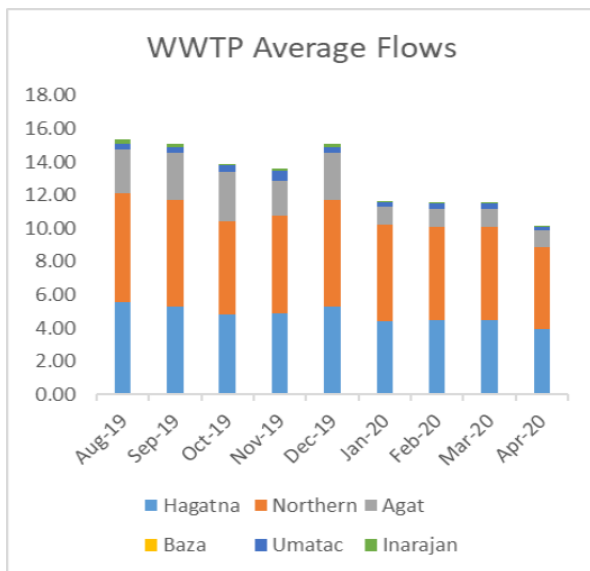


Wastewater Treatment (April 2020)

Monthly Wastewater Treatment Summary - April 2020

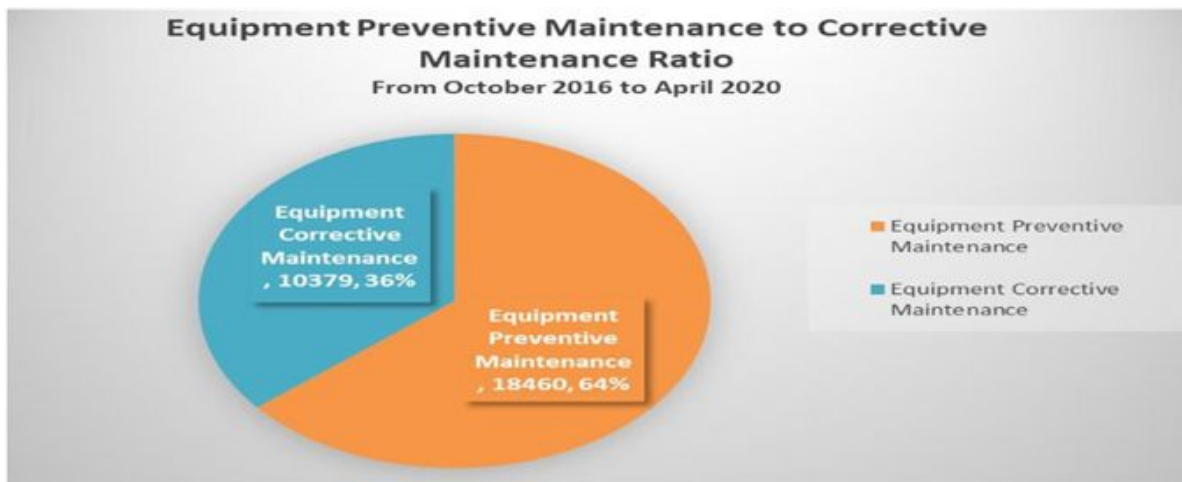
WW Treatment Plants - Flows

	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	3.94	386,580	\$ 34,792
	Northern	4.95	809,300	\$ 72,837
	Agat	0.97	-	\$ -
	Baza	0		
	Umatac	0.20		
	Inarajan	0.04		
		10.10	1,195,880	\$ 107,629



Asset Management (April 2020)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

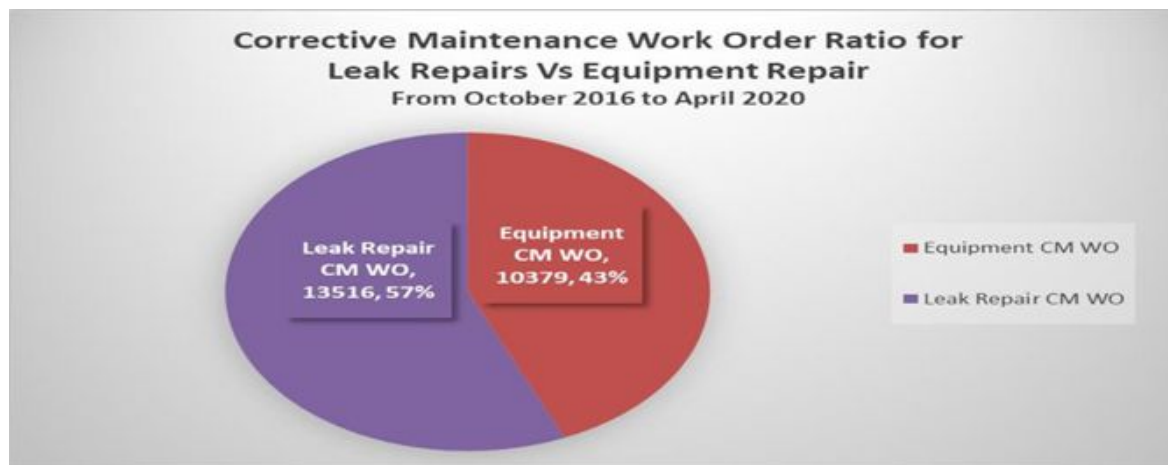


II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*

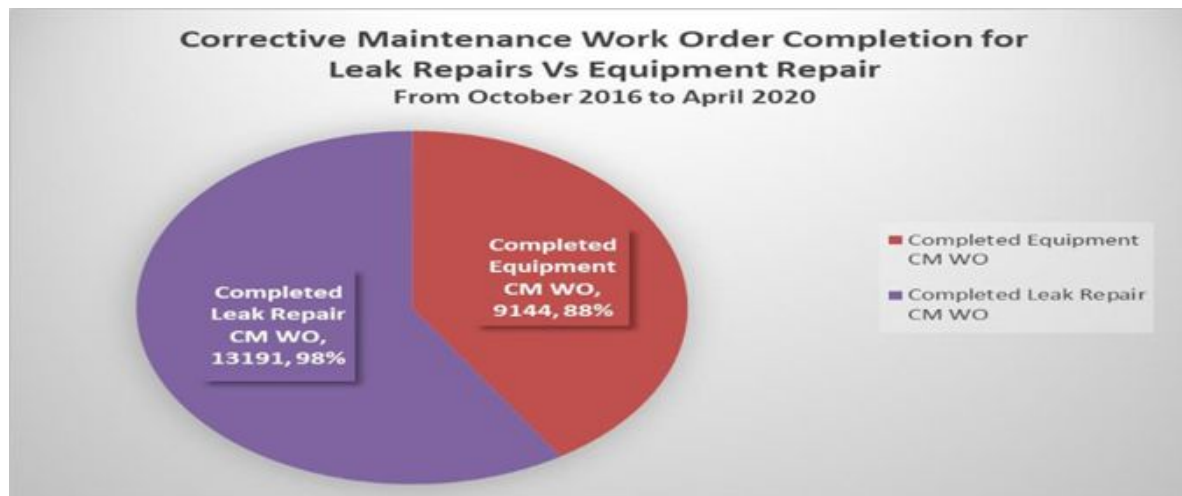


Asset Management (April 2020)

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



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



Meters from January 2017 through May 12, 2020

COMPLETED FIELD ACTIVITY JAN 2017 THRU MAY 12 2020 (POSTED IN CIS)	2017	2018	2019	Jan-20	Feb-20	Mar-20	04/18/20	05/12/20	TOTAL:	COMPLETED FIELD ACTIVITIES (IN PROCESS) TO BE POSTED IN CIS
GWA - Meter Exchange	6487	13353	10850	1079	714	548	117	44	33192	0

# OF METERS TESTED AS PER METER TEST FACILITY REPORTS:	6079	12259	9278	749	908	1116	341	662	31392
AVG # OF FIELD STAFF PERFORMING CHANGE OUTS (MON THRU FRI):	19	16	7	7	7	7	7	1	
# OF ADMIN STAFF TO CREATE AND POST FIELD ACTIVITIES IN CIS:	10	6.3	5	5	5	2	1	1	
TOTAL:	29	22	12	12	12	9	8	2	

*project suspended effective 04/13/20

REMAINING ACTIVE BADGER LP MODELS TO BE REPLACED AS OF 04/18/20:

447

3/4" BADGER METERS IN STOCK AS OF April 17, 2020:

Size	Meter Description	New Meters Passed	New Meters Untested	Passed Field Meters	MMP	Meters Available
3/4"	METER, Badger AMR 5/8" X 3/4" RCDL Model M25 Disc Meter	381	0	246	0	627
3/4"	METER, Badger AMR 5/8" x 3/4" ***WARRANTY** RCDL Model M25	0	0	0	0	0
3/4"	METER, Badger 5/8"x3/4" NSF61-G RCDL M25LL Disc Meter Integral	2	0	3	0	5
3/4"	METER, Badger AMR 5/8" x 3/4" RCDL Model M25 ***RMI***	0	0	0	0	0
3/4"	METER, Badger E-SERIES 5/8"x3/4" ULTRASONIC	960	0	0	0	960

Backbilling through April 2020

Guam Waterworks Authority

Collections Report¹ on Accounts Backbilled thru April 30, 2020

For fiscal years 2015 thru 2020 (Apr)

Accounts Billed			Collection Status											
			Amounts Collected ¹			Amounts Adjusted			Total Uncollected (Active)			Total Uncollected (Inactive)		
FY Billed	No. of Accounts	Amount	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%
FY2015														
FY2016	17	\$ 882	17	\$ 882	100%	0	\$ -		0	\$ -		0	\$ -	
FY2017	537	\$ 397,450	473	301,732	76%	14	20,967	5%	23	48,869	12%	27	25,883	7%
FY2018	1,374	\$ 742,109	1,208	564,906	76%	48	61,850	8%	68	74,137	10%	50	41,216	6%
FY2019	8,324	\$ 3,064,384	7,473	2,416,146	79%	151	133,752	4%	487	401,807	13%	213	112,679	4%
FY2020	1,816	\$ 506,622	1,344	209,234	41%	17	5,541	1%	426	285,229	56%	29	6,618	0%
Total	12,068	\$ 4,711,447	10,515	\$ 3,492,900	74%	230	\$ 222,110	5%	1,004	\$ 810,043	17%	319	\$ 186,395	4%

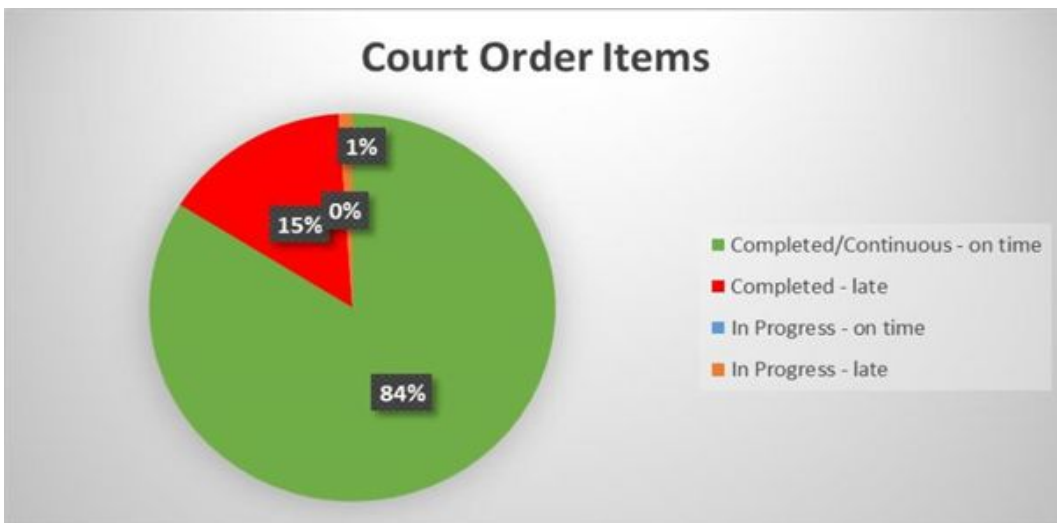
¹ Collections thru May 12, 2020

One Guam Update

- Meetings suspended due to COVID-19

Court Order Summary (April 2020)

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



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

Court Order

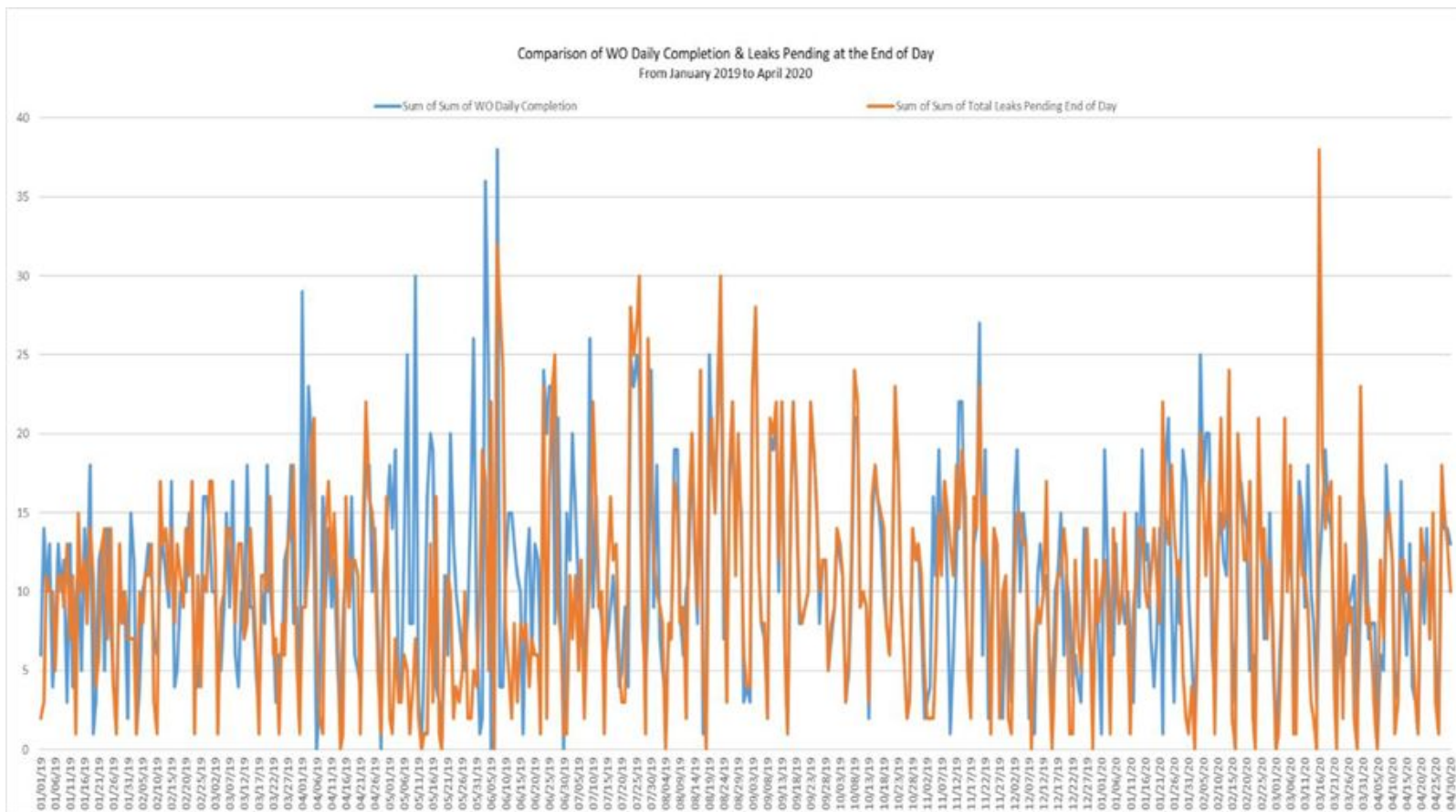
Status Information (for April and May 2020)

- 1 item delayed - The Court Order is down to one item remaining, § II, (C), (29) – Storage tank Repair. Restoration, Replacement or Relocation – which is the item that will take longer than the “end” of the court order. That makes us 98.9% done with the CO.
- Final Date to complete all Court Order items will be delayed past December 31, 2020.
 - CO 29(b) has been expanded by 31% beyond the original Court Order Requirements
 - General Counsel is reviewing filing requirements and content
 - Additional impact likely if 2020 Bond issuance is delayed due to COVID-19 impacts
- Overflow or Bypass events reported to USEPA:
 - 04-08-2020 Chalan Kanton Tasi, Sinajana – PS Controller Failure
 - 04-16-2020 Gills Apartment – Service Lateral (pipe) Failure
 - 04-20-2020 Chalan Goro Elena sewer backup – FOG
 - 04-20-2020 Tai Mangilao PS, Wetwell – PS Controller Failure
 - 04-21-2020 Carnation RD sewer backup – FOG
 - 04-28-2020 Aga Dr#126 – contractor bypass pump failure
 - 04-29-2020 Aga Dr#127 – contractor bypass pump failure
 - 05-04-2020 Aschena, Barrigada, Force Main break
 - 05-07-2020 SSO#132 Wusstig RD sewer overflow – damaged manhole allowed debris to get into the sewer line
 - 05-11-2020 Aga St#140 – contractor bypass pump failure
 - 05-12-2020 Aga St#140 – contractor bypass pump failure

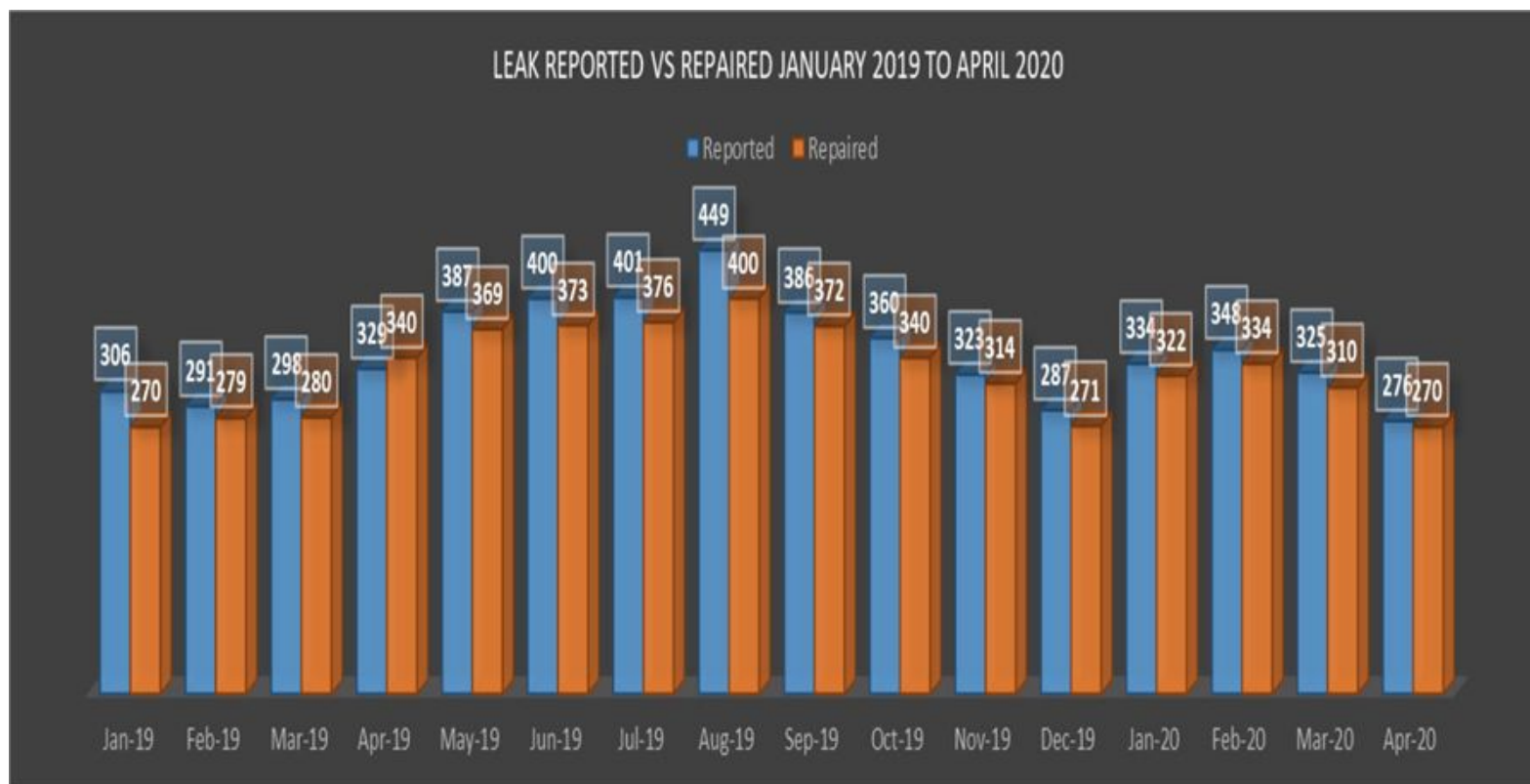
Land Acquisition Summary (as of April 2020)

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. Follow up update status request emailed to DLM 05/14/2020.
	Piti	Private	SHPO sect. 106 response received 1/2/20. GEPA Environmental Impact Review received 1/3/20. USFWS Environmental Consultation response received 12/12/19. Environmental Consultation from DOAg Aquatics and wildlife received 3/4/20. Response from DOAg Forestry & soils still pending.
	Airport	Private	Letter of 1st offer to property owner mailed out on May 8, 2020.
Deep Wells	AG-12	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2 nd follow up sent on 09/12/18. 3rd follow up sent on 04/10/19. Retracement Survey Property Map filed and recorded at DLM 7/10/19.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19.
Asan Springs	Asan	Federal	Received remaining comments from Federal and GovGuam agencies in regards to Section 106 on 12/16/19. GWA and Designer negotiated on a Revised Change Order No. 2 submitted on 2/26/2020. CO. No. 2 is to address Federal and Local agencies concerns, specifically on developing an Environmental Assessment and performing Biological Survey work. Pending approval for revised CO. No.2 as of 3/3/2020. Negotiations with NPS on a ROW agreement is ongoing.

Leak Repair Summary (April 2020)



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



Monthly Leak Report Cost (April 2020)



Assumptions:

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

2011 Court Order Performance Report Card / Dashboard as of 04/30/2020



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 - May 19, 2020 - DIVISION REPORTS

2011 Court Order Performance Report Card / Dashboard as of 04/30/2020

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
I&I SSES	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
Agat / Santa Rita,	9(a)	32	By Pass Report	60 days	@EPA	Done Reported 01/04/2012
	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
Baza Gardens	12(b)	43	Interim Measures Complete	540 days	@EPA	Done Reported 05/01/2013 PMO task
	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 - May 19, 2020 - DIVISION REPORTS

2011 Court Order Performance Report Card / Dashboard as of 04/30/2020

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 09/04/2012
	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



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

Preface to the Corrective Action Plan

Reporting

Formal updates of the status of management of the Corrective Action Plan will be submitted on a regular basis to Region 9, USEPA.

The reports will be delivered on a quarterly basis beginning at the end of the next calendar-year quarter following the approval date of this Corrective Action Plan. Reporting will continue on a schedule by mutual agreement between GWA and Region 9 USEPA.

The vehicle to be used for this reporting will be an update of this document.

For Court Order updates/reporting, see the Court Order Submittals, e. g. Quarterly Reports.

1. Sources—Lack of routine maintenance (both corrective and preventative of sources).

- Potential bacteriological and/or chemical contamination of source
- Many wells found to have leaking pipes and valves

Recommendation:

- Lack of adequate site security—missing or damaged fencing and signs of vandalism (graffiti) on structures should be repaired or replaced.
- Begin routine and corrective maintenance of all wellhead appurtenances and well facilities—meters, valves, pumps, air relief valves, piping pressure gauges, etc.

Remove unnecessary items (old lines, gauges, meters, etc.)

Action Plan:

GWA is implementing new O&M SOPs, programs and systems on an on-going basis.

Proposed Action Item Schedule	Task Description
As of 06/25/2013.	55 new SOP's Implemented (assisted by CDM, EPA Grant)
Drafts and planed	CDM continues work, particularly on Asset Management
Average one a month by 06/30/2014	Complete new SOP's and implement
Semi-annually beginning 01/2014	Training on SOP's Repeats Continuously, Managed for GWA by Ann Borja Supported by CDM Smith funded by EPA SRF.
Updates (Reporting per Preface)	Supported by CDM Smith funded by EPA SRF CMMS Is being implemented.



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

2. Sources—No Wellhead Protection Plan	
Many wells are located in close proximity to potential sources of fecal and other sources of contamination, and no wellhead protection plan in place for GWA wells.	
<ul style="list-style-type: none"> Potential bacteriological and/or chemical contamination of source Wells located near potential sources of contamination 	
Recommendation:	
<ul style="list-style-type: none"> Possible sewage source upstream (Talofofo Falls Park) - Should notify owner/operators of need to notify Ugu WTP if there is a spill or discharge Recreational activities on the Ugu River at the intake site which currently allow people in close proximity to the intake structure should be evaluated. 	
Action Plan:	
GWA will build from the existing 1992 Guam Law, Ch. 7 section 7130 of the Water Resource Development and Operating Regulations (GEPA) entitled "Well Head Protection for Public Water Supply Well". BC to develop a plan to improve monitoring of the wellhead. Plan to be in accordance with existing Guam EPA Wellhead Protection.	
Proposed Action Item Schedule	Task Description
05/30/2013	First Draft for GWA review
06/03/2014	First Draft submitted to USEPA
06/29/2015	Final Submitted to USEPA; EA Engineering Science and Technology, Inc..
06/29/2015	Complete

3. Sources Ugu— Diesel fuel storage tank containment located near intake for Ugu Water Treatment Plant (WTP) is undersized;	
Diesel fuel storage tank containment located near intake for Ugu Water Treatment Plant (WTP) is undersized; spill could contaminate the Ugu River. Potential chemical contamination of source	
<ul style="list-style-type: none"> Diesel fuel storage tank containment area at the intake was visibly undersized and was designed to discharge to the ground where it could flow downhill to the Ugu River 	
Comment: This item was incorrectly evaluated.	
Tank is dual walled construction. Containment is adequate.	
Proposed Action Item Schedule	Task Description
	Provide documentation verifying dual wall construction.
05/08/2013	Verification sent to EPA – Complete

4. Sources Well— Some wells have cracks and other openings in the well pads, well casings and improperly sealed sanitary seals.	
Some wells have cracks and other openings in the well pads, well casings and improperly sealed sanitary seals. These are direct openings for contamination to enter wells. Potential bacteriological or chemical contamination of source.	
<ul style="list-style-type: none"> Cracks in well pads and well casings and improperly sealed sanitary seals Lack of well pads at some locations 	
Action Plan:	
Initiate repair. Document completion of repair. Engage consultant for independent confirmation of repair work and production of report.	
Proposed Action Item Schedule	Task Description
12/1/2013	Initiate repair work
2/1/2013	Engage consultant Brown and Caldwell
4/30/2013	Complete repair work
5/5/2013	Draft report to GWA
6/6/2013	Report sent to USEPA - Complete



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

5. Sources Well— Missing screens on well casing vents. Potential contamination of source. <ul style="list-style-type: none"> Missing screens on well casing vents 	
Action Plan: Initiate repair. Document completion of repair. Engage consultant for independent confirmation of repair work and production of report.	
Proposed Action Item Schedule	Task Description
12/1/2013	Initiate repair work
2/1/2013	Engage consultant Brown and Caldwell
4/30/2013	Complete repair work
5/5/2013	Draft report to GWA
6/6/2013	Report to USEPA
5/13/2013	Report sent to USEPA - Complete

6. Sources Well— Wells have bypass lines that were routed into the ground and off-site without an air gap. Wells have bypass lines that were routed into the ground and off-site without an air gap. Potential contamination of source. Many wells found to have bypass lines that were routed into the ground and off-site without an air gap	
Action Plan: Initiate repair. Document completion of repair. Engage consultant for independent confirmation of repair work and production of report.	
Proposed Action Item Schedule	Task Description
12/1/2013	Initiate repair work
2/1/2013	Engage consultant Brown and Caldwell
4/30/2013	Complete repair work
5/5/2013	Draft report to GWA
6/6/2013	Report to USEPA
5/23/2013	Report sent to USEPA - Complete

7. Sources Spring--Lack of operating flow meter at spring source makes operation (including chlorine dosing) problematic. Difficulty in ensuring adequate chlorination/disinfection Recommendation: Remove heavy vegetative growth around the clear well structure. Implement routine and corrective maintenance at all spring appurtenances—meters, valves, pumps, piping, pressure gauges, etc.	
Action Plan: Initiate repair. Document completion of repair.	
Proposed Action Item Schedule	Task Description
12/1/2013	Initiate repair work
4/30/2013	Complete repair work
6/6/2013	Report to USEPA
5/23/2013	Report sent to USEPA - Complete

8. Sources Spring-- Santa Rita Spring Box (Clear Well) – – Gaps between corrugated metal roof and clear well walls allow entry by animals, birds and reptiles. Allow bacteriological contamination to enter source.	
Action Plan: Initiate repair. Document completion of repair.	
Proposed Action Item Schedule	Task Description
05/08/2013	Reported to USEPA - Complete



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

9. <u>Treatment-- Lack of operations and maintenance (Ugum, Santa Rita Spring)</u>	
Recommendation:	
<ul style="list-style-type: none"> Implement routine and corrective maintenance at all spring appurtenances—meters, valves, pumps, piping, pressure gauges, etc. 	
Ugum training on O&M will be regular refresher classes on annual basis.	
Action Plan:	
Proposed Action Item Schedule	Task Description
Santa Rita Spring (Ground Water)	
05/08/2013	Santa Rita Spring O&M training was completed and has been sent to USEPA.
05/08/2013	O&M is now under Production Section.
05/31/2014 etc.	Santa Rita Spring O&M training will have annual refreshers.
Ugum Surface Water Treatment Plant	
11/19-23/2012	Latest Training by Siemens/Smithbridge
07/23/2013	Additional Specialized training on coagulation optimization for membranes
08/01/2013	Training certification sent to USEPA
07/01/2014 and thereafter.	O&M training will have annual refreshers.
Court Order project r	See Court Order Section II C. 26 Ugum SOP's - Complete

10. <u>Treatment-- Lack of operating turbidimeter at Santa Rita Spring source.</u>	
Action Plan:	
Initiate repair. Document completion of repair.	
Proposed Action Item Schedule	Task Description
05/08/2013	Verification submitted to USEPA - Complete

11. <u>Treatment-- Plant operators do not regularly conduct jar tests and do not optimize precursor removal at Ugum WTP.</u>	
Action Plan:	
Prepare Bid or Change Order for TOC. Prepare documentation of training. Provide copies of regular reporting.	
Proposed Action Item Schedule	Task Description
5/15/2013	Prepare change order for installation of TOC and appurtenances. Smithbridge
08/12/2013	Completed installation of on-site TOC analyzer.
08/15/2013	Completed training of operators on site TOC analyzer.
07/23/2013	Additional Specialized training on coagulation optimization for membranes
08/01/2013	Training certification sent to USEPA – Complete

12. <u>Treatment-- Inadequate turbidity monitoring and reporting at Ugum</u>	
Action Plan:	
Address re-programming SCADA. Provide copies of daily submittals sent to GEPA and monthly submittals, and send example reports to USEPA as documentation.	
Proposed Action Item Schedule	Task Description
06/06/2013	Send documentation of conformance to USEPA
05/30/2013	Send documentation of conformance to USEPA - Complete



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

13. <u>Treatment-- At least one well (D-5) did not have a chlorination system in place</u>	
<u>Action Plan:</u> Explain that D-5 well is not a point of entry into the potable distribution system issue.	
Proposed Action Item Schedule	Task Description
6/6/2013	Report to USEPA
05/31/2013	Report sent to USEPA - Complete

14. <u>Treatment Well-- At least one well, the well log indicated chlorine gas had run out in the past (April 29, 2012)</u> <u>Inadequate chlorination/disinfection could result in exposure to bacteriological contamination.</u>	
<u>Action Plan:</u> GWA to provide the log sheets. This finding is a result of an incorrect assessment	
Proposed Action Item Schedule	Task Description
6/6/2013	GWA to send USEPA the log sheet – interpretation was incorrect.
05/31/2013	Sent to USEPA - Complete

15. <u>Water Storage-- Severe internal/external rust and corrosion</u> including roofs, roof vents, walls, base and other welds, anchors allows contaminants to enter tanks. <u>Recommendation:</u> GWA should properly maintain facilities and grounds (remove overgrown vegetation, take away garbage, repair security breaches, etc.	
<u>Action Plan:</u> This is a Court Order project. Work performed will be in accordance with the 2011 court order.	
Proposed Action Item Schedule	Task Description
In Progress – Court Order.	See CO Section II C Paragraph 29, Quarterly and Annual Reports-In Progress

16. <u>Water Storage-- Bolts, many completely rusted through, compromise structural stability of tanks.</u> <u>Recommendation:</u> Potential for tank failure	
<u>Action Plan:</u> This is a Court Order project. Work performed will be in accordance with the 2011 court order Paragraph 29.	
Proposed Action Item Schedule	Task Description
Court Order project.	See CO Section II C Paragraph 29, Quarterly and Annual Reports

17. <u>Water Storage-- Inadequate Site Security</u> (holes in fences, missing gates) and unlocked hatches allow easy access to tanks (as demonstrated by vandalism at many tanks). Potential for access by public and consequent contamination.	
<u>Action Plan:</u> This is a Court Order project. Work performed will be in accordance with the 2011 court order Paragraph 29. GWA will correct on tanks undergoing major repairs.	
Proposed Action Item Schedule	Task Description
Court Order project.	See CO Section II C Paragraph 29, Quarterly and Annual Reports

18. <u>Water Storage-- Leaking tanks.</u> <u>Recommendation:</u> Could allow contamination to enter.	
<u>Action Plan:</u> This is a Court Ordered project. Work performed will be in accordance with the 2011 court order Paragraph 29.	
Proposed Action Item Schedule	Task Description
Court Order project.	See CO Section II C Paragraph 29, Quarterly and Annual Reports



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

19. Water Storage-- Flooded, uncovered and unsecured valve vaults Could allow contamination to enter.	
<u>Action Plan:</u> This is a Court Ordered project. Work performed will be in accordance with the 2011 court order Paragraph 29. GWA will correct on tanks undergoing major repairs.	
Proposed Action Item Schedule	Task Description
Court Order project.	See CO Section II C Paragraph 29, Quarterly and Annual Reports- Complete

20. Water Storage-- No screen or flapper on the storage tanks' overflows. Potential for access by public and consequent contamination.	
<u>Action Plan:</u> This is a Court Order project. Work performed will be in accordance with the 2011 court order Paragraph 29. GWA will correct on tanks undergoing major repairs.	
Proposed Action Item Schedule	Task Description
Court Order project.	See CO Section II C Paragraph 29, Quarterly and Annual Reports - Complete

21. Water Storage-- Ladders not locked, allow easy potential access by vandals.	
<u>Action Plan:</u> This is a Court Order project. Work performed will be in accordance with the 2011 court order Paragraph 29. GWA will correct on tanks undergoing major repairs.	
Proposed Action Item Schedule	Task Description
Court Order project.	Repairs Complete

22. Water Storage-- Ladders severely corroded or no cage will prevent adequate maintenance	
<u>Action Plan:</u> This is a Court Order project. Work performed will be in accordance with the 2011 court order Paragraph 29.	
Proposed Action Item Schedule	Task Description
Court Order project.	Repairs Complete

23. Distribution System-- Inadequate cross connection control program exists within GWA. Potential for backflow/backpressure and contamination.	
<u>Action Plan:</u> Engage consultant to develop how GWA can plan for backflow prevention program. Create report documenting procedures for implementing a program.	
Proposed Action Item Schedule	Task Description
02/01/2013	Engage consultant Brown and Caldwell
05/05/2013	Submit draft plan for GWA review
06/05/2013	Submitted draft plan to USEPA
NTP issued.	Draft Detailed Cross-Connection Control Plan by PMO Work Order.
Pending CCU approval	GWA recruiting positions to man and execute this project.
Included in Plan	Detailed Cross-Connection Control Plan Technical Memo Completed, supplemental update is in progress prior to submittal for CCU approval.
Program Pending Formal Adoption	Draft plan Completed 02/16/2018. Implementation in Progress



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

24. Distribution System-- Undersized water lines impact water pressure and water quality and contribute to potential cross-connections. Potential for backflow/backpressure and contamination.	
<u>Action Plan:</u> Engage consultant to develop how GWA can plan for small diameter pipeline replacement program. Create report documenting procedures for implementing a program.	
Proposed Action Item Schedule	Task Description
02/01/2013	Engage consultant Brown and Caldwell
05/05/2013	Submit draft plan for GWA review
06/05/2013	Submitted draft plan to USEPA
10/01/2013	Approved Plan/CIP for line replacement.
12/31/2013	Submit Approved Plan/CIP for line replacement to PUC.
04/30/2014	Approved of Plan/CIP for line replacement by PUC.
07/01/2014	Begin line replacement program for small diameter pipelines.
01/01/2024	Complete small diameter pipeline replacement.
Updates (Reporting per Preface)	See GWA CIP at < http://guamwaterworks.org/wp-content/uploads/2017/04/GWA-CIP-Update-January-2017-FINAL-.pdf >.

25. Pumps-- No pump controls at many of the booster pump stations; lack of maintenance. Leaking seals in pumps and valves results in intermittent service and supply, lower reliability and decreased pressure.	
<u>Recommendation:</u> Implement routine and corrective maintenance at all spring appurtenances—meters, valves, pumps, piping, pressure gauges, etc.	
<u>Action Plan:</u> Initiate repair. Engage consultant for independent analysis and condition assessment of booster pumping stations. Consultant to develop schedule and cost estimates for implementing upgrades of booster pumping stations. Consultant to prepare a report for rehabilitation program.	
Proposed Action Item Schedule	Task Description
12/01/2012	Initiate immediate repairs
02/01/2013	Engage consultant Brown and Caldwell
02/26/2013	5-year CIP approved by CCU
04/30/2013	Complete immediate repairs
05/05/2013	Submit draft report to GWA for review
09/06/2013	Submitted draft report to USEPA for approval
03/30/2014	Final plan for booster station repairs.
Updates (Reporting per Preface)	See GWA CIP at < http://guamwaterworks.org/wp-content/uploads/2017/04/GWA-CIP-Update-January-2017-FINAL-.pdf >.



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

26. Pumps-- Lack of adequate backup pumps. Flooding of booster pump stations.	
Results in intermittent service and supply, lower reliability and decreased pressure	
Action Plan: Initiate repair. Engage consultant for independent analysis and condition assessment of booster pumping stations. Consultant to develop schedule and cost estimates for implementing upgrades of booster pumping stations. Consultant to prepare a report for rehabilitation program.	
Proposed Action Item Schedule	Task Description
12/01/2012	Initiate immediate repairs
02/01/2013	Engage consultant Brown and Caldwell
02/26/2013	5-year CIP approved by CCU
04/30/2013	Complete immediate repairs
05/05/2013	Submit draft report to GWA for review
09/06/2013	Submitted draft report to USEPA for approval
03/30/2014	Final plan for booster station repairs.
Updates (Reporting per Preface)	See GWA CIP at < http://guamwaterworks.org/wp-content/uploads/2017/04/GWA-CIP-Update-January-2017-FINAL-.pdf >.

27. Pumps-- No controls on well pumps or booster pumps.	
Results in intermittent service and supply, lower reliability and decreased pressure.	
Action Plan: Initiate repair. Engage consultant for independent analysis and condition assessment of booster pumping stations. Consultant to develop schedule and cost estimates for implementing upgrades of booster pumping stations. Consultant to prepare a report for rehabilitation program.	
Proposed Action Item Schedule	Task Description
12/01/2012	Initiate immediate repairs
02/01/2013	Engage consultant Brown and Caldwell
02/26/2013	5-year CIP approved by CCU
04/30/2013	Complete immediate repairs
05/05/2013	Submit draft report to GWA for review
09/06/2013	Submitted draft report to USEPA for approval
03/30/2014	Final plan for booster station repairs.
Updates (Reporting per Preface)	See GWA CIP at < http://guamwaterworks.org/wp-content/uploads/2017/04/GWA-CIP-Update-January-2017-FINAL-.pdf >.

28. Pumps-- Leaking pump seals, valves, lines, and highly rusted piping.	
Results in intermittent service and supply, lower reliability and decreased pressure.	
Action Plan: Initiate repair. Engage consultant for independent analysis and condition assessment of booster pumping stations. Consultant to develop schedule and cost estimates for implementing upgrades of booster pumping stations. Consultant to prepare a report for rehabilitation program.	
Proposed Action Item Schedule	Task Description
12/01/2012	Initiate immediate repairs
02/01/2013	Engage consultant Brown and Caldwell
02/26/2013	5-year CIP approved by CCU
04/30/2013	Complete immediate repairs
05/05/2013	Submit draft report to GWA for review
09/06/2013	Submitted draft report to USEPA for approval
Maintenance work in progress	Begin program for booster station repairs, copy to USEPA
Updates (Reporting per Preface)	See GWA CIP at < http://guamwaterworks.org/wp-content/uploads/2016/02/GWA-CIP-2015-to-2020-CCU-102715-final-ver.pdf >.



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

29. Water Quality-- Inadequate monitoring and reporting – Uguim WTP and Santa Rita Spring (turbidity and chlorine residual) exceedances (violations) may be going undetected and unreported.	
<u>Recommendation:</u> Continue to improve utility-wide communications to address previous lack of complete communication between departments.	
<u>Action Plan:</u> GWA has made this KPI and it is managed via weekly reports	
Proposed Action Item Schedule	Task Description
06/06/2013	GWA to submit weekly report documentation to USEPA.
05/30/2013	GWA submitted documentation to USEPA. Complete

30. SDWA Compliance-- Lead and Copper Rule monitoring overdue.	
<u>Action Plan:</u> GWA has implemented the required LCR monitoring and will proceed to complete and continue as required by the rule without waiting for GEPA to approve the schedule and process. If GEPA ever decides to participate, GWA will make additions that are requested.	
Proposed Action Item Schedule	Task Description
12/04/2012	Routine Procedure started.
06/14/2013	Round 1 completed with all sample results below both Pb and Cu action levels.
12/31/2013	Completed second Round of Monitoring
01/31/2014.	Lab results verify GWA is in compliance. - Complete

31. SDWA Compliance-- Unaddressed Stage 2 Disinfection/Disinfectant Byproducts rule (DBP) Rule MCL Violations, required public notification.	
<u>Action Plan:</u> Continue to report in CCR and add quarterly mailings to Central (GU0000003) and or Southern (GU0000001) System customers. GWA to await schedule for Navy water compliance schedule from Fena Reservoir for Central (GU0000003).	
Proposed Action Item Schedule	Task Description
05/20/2013	Southern (GU0000001) System is now compliant with Stage 2 DBP Rule
05/20/2013	Central (GU0000003) System is compliant with Stage 2 DBP Rule in all areas except one small part of Agat. Mailings to all Central Customers will continue until clear.
06/06/2013	Initiated quarterly mailings to affected customers. [Central (GU0000003)]
Consecutive System Management	GWA continues to reduce purchases of water from the Fena SWTP which has made the difference in the Central (GU0000003) System.
Navy Water is now in compliance	DBP exceedance Central (GU0000003) System has ended with changes in the Navy Fena Surface Water Treatment Plant's operations, achieving compliance with the Stage 2 DBP Rule.
Quarterly mailings are discontinued.	Complete

32. Administration-- No formal, comprehensive training program for operators and other personnel. Can result in inappropriate or inadequate operation and negative impacts on water quality.	
<u>Action Plan:</u> GWA to complete an annual Workforce Development Report	
Proposed Action Item Schedule	Task Description
01/16/2014	First Annual Workforce Development (Training) Report.
Regular Training Scheduled	Adapted dependent on subject matter. Assisted by PMO.
Updates (Reporting per Preface)	See Comprehensive management Plan 08/27/2013
Provided by GWA and AWWA	Training programs are managed by GW's Personnel Development specialist in conjunction with AWWA-HIWS



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

33. Administration-- Hydraulic model is neither complete nor accurate enough to make operational or design decisions. Results in poor design and operational decisions impacting water quality.	
Action Plan: This is a Court Ordered project. Work performed will be in accordance with the 2011 court order Paragraph 29(a)(2).	
Proposed Action Item Schedule	Task Description
05/03/2013 Court Order project	Submitted Hydraulic Model report to USEPA under CO 29(a)(2). Complete

34. Administration-- No preventative maintenance programs for most operational areas. Many system components in varying levels of disrepair or failure put system at risk for contamination.	
Action Plan: GWA is working with USEPA and CDM to improve Asset Management	
Proposed Action Item Schedule	Task Description
In Progress	GWA/CDM-Smith Asset Management program
Continuously updated	GWA Asset Management program – Lucity CMMS being populated

35. Administration-- Data are collected, but do not have the capacity to analyze the information to assist with operational decisions. Lack of understanding and use of operational data can result in poor system operations and consequent risk for contamination or failure.	
Action Plan: GWA will improve data collection and assessment function – SOP's and Training are in planning stages.	
Proposed Action Item Schedule	Task Description
2013	New SOP's and Training
2013 through 2018	Five year development plan for staff capacity for data retrieval and analysis.
Evolved, data collection upgraded.	Required staff positions created
Updated per Preface	Creation of Management analyst positions is completed.

36. Administration-- Lack of Standard Operating Procedures ("SOPs").	
Action Plan: GWA will conduct SOP training	
Proposed Action Item Schedule	Task Description
As of 06/25/2013.	55 new SOP's Implemented (assisted by CDM, EPA Grant)
Drafts and planed	CDM continues work, particularly on Asset Management
Average one a month my 06/30/2014	Complete new SOP's and implement
09/06/2013	Reported status to USEPA
Semi-annual - Continuous	Training on SOPs needs to be updated.
Updates (Reporting per Preface)	Generated by GWA Staff - Supplemented by CDM Smith - EPA SRF.

37. Operator Compliance-- No proper operator certification for system type. Inadequately trained operators do not perform process control adequately, which impacts finished water quality.	
Action Plan: GWA disputes the described deficiency. GWA has always been in compliance.	
Proposed Action Item Schedule	Task Description
06/06/2013	Submit Certification information USEPA.
05/24/2013	Certification information sent to USEPA - Complete



Gloria B. Nelson Public Service Building, Suite 200 688 Rt. 15. Mangilao, GU 96913-6203

Corrective Action Plan (CAP) (Approved 10/21/2014) Quarterly/Annual Update Report

Guam Waterworks Authority Sanitary Survey Significant Deficiencies for the Water System

Prepared By: Paul Kemp, Vangie Lujan and John Riegel

Update: April 30, 2020

NEIC Work Product No. VP0989E01 GWA Sanitary Survey Significant Deficiency Items:

38. Operator Compliance-- Plant operators do not regularly conduct jar tests.	
Inadequately trained operators do not perform process control adequately, which impacts finished water quality.	
Proposed Action Item Schedule	Task Description
5/15/2013	Prepare change order for installation of TOC and appurtenances. Smithbridge
08/12/2013	Completed installation of on site TOC analyzer.
08/15/2013	Completed training of operators on site TOC analyzer.
07/23/2013	Additional Specialized training on coagulation optimization for membranes
08/01/2013	Training certification sent to USEPA - Complete
06/01/2017	TOC unit has become inoperative – efforts to restore it do not seem to be effective,
05/20/2019	Current plan is to replace the original TOC analyzer with one that has local service support. This is in procurement. Procurement in progress.

39. Operator Compliance-- Plant operators and engineering staff did not understand the correlation between ineffective coagulant dosing.	
Inadequately trained operators do not perform process control adequately, which impacts finished water quality.	
Proposed Action Item Schedule	Task Description
5/15/2013	Prepare change order for installation of TOC and appurtenances. Smithbridge
08/12/2013	Completed installation of on site TOC analyzer.
08/15/2013	Completed training of operators on site TOC analyzer.
07/23/2013	Additional Specialized training on coagulation optimization for membranes
08/01/2013	Training certification sent to USEPA - Complete
06/01/2017	TOC unit has become inoperative – efforts to restore it do not seem to be effective,
05/20/2019	Current plan is to replace the original TOC analyzer with one that has local service support. This is in procurement. Procurement is in progress.

40. Operator Compliance-- No level 4 Operator is actually located on site at the Ugum WTP, as required.	
Violation of Guam Operator Certification requirement.	
<u>Action Plan:</u> Level 4 operators are not required at Ugum, Current status requires only Level 3 operators. GWA has always been in compliance.	
Proposed Action Item Schedule	Task Description
06/06/2013	Submit Certification information USEPA.
05/24/2013	Certification information sent to USEPA - Complete

Status Summary: as of May 20, 2019

Corrective Action Plan Legend	Fill Color	No. of Items
Information and/or future steps	No Fill	
Completed – no further action-or pending EPA approval	Green	39
Court Order Managed items (some are completed- the others are on schedule)	Yellow	9
Continuous (Long Term Commitment/Reporting)	Yellow-Green	10

GWA Utility Services Division
Monthly Status Report
Month ending APRIL 2020

FY2020		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	APRIL 2020 MONTHLY TOTAL	WEEKLY AVERAGE APRIL 2020	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		04/04/20	04/11/20	04/18/20	04/25/20	05/02/20			WEEKLY AVERAGE MAR 2020	MAR 2020 MONTHLY TOTAL
Collections Activities:										
I.	Number of accounts cut for nonpayment:	0	0	0	0	0	0	0	23	115
II.	Number of accounts restored for nonpayment:	0	0	0	0	2	2	0	26	130
III.	Number of No water reports responded to:	0	0	0	0	0	0	0	9	46
IV.	Number of Secure/Unsecure valve reports responded to:	0	0	0	0	0	0	0	3	13
V.	Number of Verify reads responded to:	0	0	0	0	0	0	0	1	5
VI.	Number of new pay plans negotiated for active accounts:	9	20	7	20	25	81	16	98	489
VII.	Number of active pay plans negotiated and ongoing:	432	422	400	396	364		403	481	
VIII.	Number of inactive accounts with a payment arrangement:	0	0	0	0	0		0	0	
IX.	Number of broken payment plans:	87	19	13	17	3	139	28	82	412
Customer Service Activities (lobby visits):										
A. GBN Public Service Building – Fadian										
i.	Total Customers Assisted:	0	0	0	0	0	0	0	100	502
ii.	Total Abandoned Requests:	0	0	0	0	0	0	0	4	21
iii.	Average Wait Time:	0 minutes	0 minutes	0 minutes	0 minutes	0 minutes		0 minutes	2.4 minutes	
iv.	Average Service Time:	0 minutes	0 minutes	0 minutes	0 minutes	0 minutes		0 minutes	5 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	0	0	0	0	0	0	0	23	113
2.	Restore water cut for non payment:	0	0	0	0	0	0	0	5	26
3.	Terminate Water:	0	0	0	0	0	0	0	7	36
4.	Copy of Bill:	0	0	0	0	0	0	0	12	58
5.	Billing Dispute:	0	0	0	0	0	0	0	22	110
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0	0
7.	General Questions & Other:	0	0	0	0	0	0	0	27	133
8.	Report a water leak:	0	0	0	0	0	0	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	0	0	0	0	0	0	0	8	41
B. Julale Satellite Office – Hagatna										
i.	Total Customers Assisted:	0	0	0	0	0	0	0	109	543
ii.	Total Abandoned Requests:	0	0	0	0	0	0	0	6	32
iii.	Average Wait Time:	0 minutes	0 minutes	0 minutes	0 minutes	0 minutes		0 minutes	2 minutes	
iv.	Average Service Time:	0 minutes	0 minutes	0 minutes	0 minutes	0 minutes		0 minutes	3 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	0	0	0	0	0	0	0	21	103
2.	Restore water cut for non payment:	0	0	0	0	0	0	0	6	30
3.	Terminate Water:	0	0	0	0	0	0	0	11	55
4.	Copy of Bill:	0	0	0	0	0	0	0	33	164
5.	Billing Dispute:	0	0	0	0	0	0	0	27	133
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	1	5
7.	General Questions & Other:	0	0	0	0	0	0	0	11	53
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:	0	0	0	0	0	0	0	18	92
C. Upper Tumon Satellite Office – Upper Tumon										
i.	Total Customers Assisted:	0	0	0	0	0	0	0	132	660
ii.	Total Abandoned Requests:	0	0	0	0	0	0	0	7	36
iii.	Average Wait Time:	0 minutes	0 minutes	0 minutes	0 minutes	0 minutes		0 minutes	5.6 minutes	
iv.	Average Service Time:	0 minutes	0 minutes	0 minutes	0 minutes	0 minutes		0 minutes	5.2 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	0	0	0	0	0	0	0	29	146
2.	Restore water cut for non payment:	0	0	0	0	0	0	0	9	44
3.	Terminate Water:	0	0	0	0	0	0	0	10	50
4.	Copy of Bill:	0	0	0	0	0	0	0	27	135
5.	Billing Dispute:	0	0	0	0	0	0	0	32	162
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	2	12
7.	General Questions & Other:	0	0	0	0	0	0	0	21	107
8.	Report a water leak:	0	0	0	0	0	0	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	0	0	0	0	0	0	0	18	91

GWA Work Session - May 19, 2020 - DIVISION REPORTS

GWA Utility Services Division
Monthly Status Report
Month ending APRIL 2020

FY2020		WEEK	WEEK	WEEK	WEEK	WEEK	APRIL 2020	WEEKLY	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		ENDING:	ENDING:	ENDING:	ENDING:	ENDING:	MONTHLY	AVERAGE	WEEKLY	MAR 2020
		04/04/20	04/11/20	04/18/20	04/25/20	05/02/20	TOTAL	APRIL 2020	AVERAGE	MONTHLY
Customer Service Activities (Electronic):										
i.	Emails Received:									
	1. customers@guamwaterworks.org:	293	248	194	201	166	1102	220	145	725
	Request type (email):									
	a. Apply for water:	107	78	49	55	64	353	71	45	226
	b. Terminate Water:	38	47	35	40	23	183	37	14	71
	c. Copy of Bill:	3	4	5	6	4	22	4	3	16
	d. Billing Dispute & follow up:	15	8	15	19	15	72	14	12	59
	e. General Questions & Other:	85	73	53	54	43	308	62	45	224
	f. Report a water leak:	2	4	5	0	4	15	3	4	21
	g. Report water theft:	0	0	1	0	0	1	0	0	0
	h. Online services inquiry:	43	34	31	27	13	148	30	22	108
	2. gwaservesme@guamwaterworks.org (realtors and	0	0	0	0	0	0	0	0	1
ii.	Emails Replied (both):	221	212	187	186	148	954	191	113	563
Call Center Activities:										
i.	Calls Received:	2100	1618	1370	1536	1614	8238	1648	1503	7514
ii.	Calls Immediately Answered:	958	946	647	763	798	4112	822	777	3885
iii.	Calls Abandoned:	89	73	60	66	76	364	73	65	325
iv.	Calls Handled by Voice mail:	1102	581	606	750	809	3848	770	655	3277
v.	Average duration of call:	4 minutes	5 minutes	4 minutes	6 minutes	5 minutes		4.8 minutes	4 minutes	
vi.	Breakdown by request type:									
	1. Apply/Terminate info:	96	62	44	53	83	338	68	40	201
	2. Automated Telephone Call:	0	0	0	1	1	2	0	9	46
	3. Balance Inquiry:	130	109	71	133	149	592	118	54	269
	4. Call Back:	2	4	3	6	14	29	6	2	9
	5. Dispatch:	20	37	9	23	20	109	22	7	37
	6. Dispute:	9	7	7	5	4	32	6	4	20
	7. Follow-up:	10	15	18	39	16	98	20	6	31
	8. General Questions & Other:	210	249	175	160	95	889	178	117	586
	9. GWA Staff:	11	8	8	21	12	60	12	16	80
	10. No Water:	11	58	6	21	3	99	20	11	55
	11. Online/Phone App Help:	115	90	91	61	42	399	80	38	190
	12. Pay by Phone:	322	281	198	199	296	1296	259	143	717
	13. Pay Plan:	26	17	7	16	16	82	16	17	84
	14. Restore Non-payment:	1	0	1	1	2	5	1	3	13
	15. Secure/Unsecure Valve:	2	3	6	7	7	25	5	3	13
	16. Voice Mail:	0	0	0	12	35	47	9	3	16
	17. Water leak:	12	6	3	5	3	29	6	5	26
Bill Dispute & Resolution Activities:										
i.	Dispute Resolution:									
	1. Number of disputed accounts resolved:	2	3	6	9	12	32	6	17	86
	2. Number of disputed accounts under review:	2040	2037	2043	2068	2102		2058	2017	
Data Entry of Completed Field work in CIS:										
i.	Document Control:									
	1. Number of field activities posted:	0	0	131	174	659	964	193	131	656
	2. Number of field activities pending:	1309	1429	1396	1320	810	6264	1253	1091	5454
Field Response Activities:										
I.	Number of field activities received:	113	106	78	94	105	496	99	171	854
II.	Number of field activities completed:	146	120	98	111	137	612	122	157	785
III.	Number of field activities pending field action:	0	0	0	0	0	0	0	1	5

GWA Work Session - May 19, 2020 - DIVISION REPORTS

GWA Utility Services Division
Monthly Status Report
Month ending APRIL 2020

FY2020 UTILITY SERVICES DIVISION ACTIVITIES		WEEK	WEEK	WEEK	WEEK	WEEK	APRIL 2020 MONTHLY TOTAL	WEEKLY AVERAGE APRIL 2020	PREVIOUS MONTH		
		ENDING:	ENDING:	ENDING:	ENDING:	ENDING:			WEEKLY AVERAGE MAR 2020	MAR 2020 MONTHLY TOTAL	
		04/04/20	04/11/20	04/18/20	04/25/20	05/02/20					
Meter Reading Activities:											
I. Number of meters read:											
A. Electronically Read Meters:											
		6639	8870	13757	9064	3953	42283	8457	9757	48784	
B. Manually Read Meters:											
i. Unread meters (Meters scheduled to be read but not read):		21	33	52	38	30	174	35	31	156	
ii. Number of data logs received:		5	5	12	5	7	34	7	18	89	
iii. Number of data logs retrieved:		9	10	11	21	23	74	15	15	77	
iv. Number of data logs pending field action:		10	9	11	24	21	75	15	13	67	
v. Communication Errors/Reprogramming requests:		0	0	0	0	0	0	0	0	0	
vi. Number of estimated readings (for the week):		2	1	3	0	1	7	1	1	5	
vii. Reasons for Estimations:		12	13	23	21	58	111	22	22	111	
1. Cant locate meter:		2	0	0	0	0	2	0	1	6	
2. Temporary Obstruction:		0	0	0	0	1	1	0	0	0	
3. Vicious Dog:		0	0	0	0	0	0	0	0	0	
4. Flooded meter:		0	0	0	0	1	1	0	0	2	
5. Corrective action to database requested:		5	6	10	15	50	86	17	4	22	
6. Possible changed out meter:		4	4	11	4	3	26	5	14	69	
7. Communication/Programming error (code 92's):		1	0	0	0	0	1	0	1	4	
8. Other:		0	3	2	2	3	10	2	1	6	
a. Leaks detected on customer's private line:		998	1545	2536	1527	445	7051	1410	1516	7580	
b. Reverse Flow Detected:		98	112	31	231	396	868	174	131	654	
c. No Usage Detected:		218	263	389	315	228	1413	283	292	1460	
d. Tamper Code:		5	20	10	2	5	42	8	11	53	
C. Electronic Read Percentage:		99.7%	99.6%	99.6%	99.6%	99.3%		99.6%	99.6%		
Illegal Connection & Unauthorized Use of Water Activities:											
I. Number of Inactive Still Consuming Reports rec'd & investigated:		2	1	1	0	1	5	1	0	1	
II. Number of Illegal Connection reports rec'd & investigated:		3	1	1	0	0	5	1	1	5	



Engineering Monthly Report May 2020

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

Table of Contents

Section, Description	Page
A. Summary Table of 2010, 2013 and 2016 Bond	3
B. Projects Procurement	5
C. CIP Water Section	8
D. CIP Wastewater Section	16
E. CIP Engineering Support	17
F. GIS Section	19
G. Permits Section	20
H. USEPA SRF Project Status Report	21

A. Summary Table of 2010, 2013 and 2016 Bond

Potable Water

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
PW 05-01	Ground Water Disinfection	\$ 500,000.00	93.00%	7.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ -	N/A	N/A	\$ 100,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-05	*A Series Well Transmission Line	\$ 475,709.00	100.00%	0.00%	\$ 369,846.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	\$ 500,000.00	100.00%	0.00%	\$ 1,679,964.00	99.22%	0.78%	\$ -	N/A	N/A
PW 05-07	Meter Replacement Program	\$ 10,450,000.00	100.00%	0.00%	\$ 996,532.00	85.75%	14.25%	\$ 1,400,000.00	10.71%	89.29%
PW 05-08	Barrigada Tank Repair/Replacement	\$ 5,450,000.00	100.00%	0.00%	\$ 4,987,000.00	96.16%	3.83%	\$ -	N/A	N/A
PW 05-09	Leak Detection	\$ 200,000.00	8.52%	91.48%	\$ 16,916.00	0.00%	100.00%	\$ 100,000.00	0.00%	100.00%
PW 05-10	Potable Water System Planning	\$ 210,487.45	100.00%	0.00%	\$ 624,000.00	98.49%	1.51%	\$ 876,294.00	100.00%	0.00%
PW 05-11	Implement Ground Water Rule	\$ 1,699,999.00	100.00%	0.00%	\$ 1,000,000.00	98.18%	1.82%	\$ -	N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	\$ 1,900,000.00	16.06%	83.94%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	\$ 548,000.00	100.00%	0.00%	\$ 200,000.00	88.89%	11.11%	\$ 250,000.00	44.01%	55.99%
PW 05-14	New Deep Wells at Down Hard	\$ 485,743.00	100.00%	0.00%	\$ -	N/A	N/A	\$ 1,190,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	\$ 1,100,000.00	22.87%	77.13%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-16	Master Meters	\$ 1,489,957.00	100.00%	0.00%	\$ 712,060.00	92.29%	7.71%	\$ 2,151,539.00	7.04%	92.96%
PW 09-01	Ugum Water Treatment Plant Intake	\$ 700,000.00	100.00%	0.00%	\$ 859,801.00	42.88%	57.12%	\$ -	N/A	N/A
PW 09-02	Water Wells	\$ -	N/A	N/A	\$ 3,030,029.00	71.18%	28.82%	\$ 2,500,000.00	6.80%	93.20%
PW 09-03	Water Distribution System	\$ 3,174,748.00	100.00%	0.00%	\$ 10,912,453.00	96.61%	3.39%	\$ -	N/A	N/A
PW 09-04	Pressure Zone Reassignment	\$ -	N/A	N/A	\$ 337,110.00	100.00%	0.00%	\$ 1,141,000.00	100.00%	0.00%
PW 09-06	Central Water Distribution System 2005	\$ 775,002.00	93.08%	6.92%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	\$ 1,200,000.00	100.00%	0.00%	\$ 426,799.00	72.58%	27.42%	\$ -	N/A	N/A
PW 09-09	Water Reservoir Internal/External	\$ 2,150,000.00	70.20%	29.80%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ 800,000.00	100.00%	0.00%
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 1,050,000.00	100.00%	0.00%	\$ 13,878,000.00	99.93%	0.07%	\$ 58,830,170.00	80.83%	18.67%
PW 11-01	Distribution System Upgrades	\$ 474,160.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 78,459.00	100.00%	0.00%	\$ -	N/A	N/A	\$ 550,000.00	59.30%	40.70%
PW 12-02	Production Plan / Reduce Navy Purchases	\$ 100,000.00	99.90%	0.10%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	\$ 500,000.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-04	Agana Heights & Chaoz Tanks	\$ 4,700,000.00	100.00%	0.00%	\$ 1,330,287.00	100.00%	0.00%	\$ 1,220,000.00	100.00%	0.00%
PW 12-05	Tank Major Repair Yigo #1, Mangiao #2, Astumbo#1	\$ 1,848,013.00	100.00%	0.00%	\$ 11,605,000.00	99.33%	0.67%	\$ 1,822,133.00	99.62%	0.38%
PW 12-06	Tank Replacement Pili & Hyundai	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ 7,300,000.00	100.00%	0.00%
PW 12-07	Assessment of Malojaj Elevated & Yigo Elevated	\$ 200,000.00	100.00%	0.00%	\$ 485,117.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	\$ 100,000.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	\$ 50,000.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ 1,200,000.00	99.70%	0.30%
		\$ 42,110,277.45			\$ 53,550,914.00			\$ 81,331,136.00		

Wastewater

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
WW 05-04	Wastewater System Planning	\$ 1,492,857.19	100.00%	0.00%	\$ 650,901.00	84.44%	15.56%	\$ 312,983.00	100.00%	0.00%
WW 05-05	Wastewater Vehicles	\$ 235,000.00	89.27%	10.73%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ 457,981.68	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ -	N/A	N/A	\$ 563,148.00	96.89%	3.11%	\$ 1,714,755.00	27.10%	72.90%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,001,323.00	100.00%	0.00%	\$ 732,358.36	88.82%	11.18%	\$ 1,055,478.00	56.98%	43.02%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ 1,250,000.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ 899,630.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	\$ 1,488,378.00	100.00%	0.00%	\$ 9,656,874.00	96.51%	3.49%	\$ 25,048,522.50	99.40%	0.60%
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 853,858.00	100.00%	0.00%	\$ 371,699.00	100.00%	0.00%	\$ 252,105.00	100.00%	0.00%
WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,217,700.00	100.00%	-0.04%	\$ 67,200,000.00	98.65%	1.35%	\$ 2,226,659.06	100.00%	0.00%
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ 11,743,514.00	97.12%	2.88%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	\$ 200,000.00	81.04%	18.96%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ 11,300,000.00	100.58%	-0.58%	\$ 718,075.68	100.00%	0.00%	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ 800,000.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ 850,000.00	93.57%	6.43%	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-07	Umatac Merizo Replacement	\$ 250,000.00	100.00%	0.00%	\$ -	N/A	N/A	\$ 20,952,871.63	99.93%	0.07%
WW 12-08	Wastewater System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-09	Wastewater Facility Back Up Power	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-10	Wastewater System Asset Inventory	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-01	Wastewater Sewer System Expansion	\$ -	N/A	N/A	\$ -			\$ -		
WW 17-02	Northern District WWTP Secondary Treatment Upgrade	\$ 948,250.00	100.00%	0.00%	\$ -			\$ -		
		\$ 35,988,491.87			\$ 79,893,056.04			\$ 51,563,374.19		

Electrical Engineering Support

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
EE 05-02	SCADA Pilot Project	\$ 61,950.00	31.98%	68.02%	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-01	Wastewater Pumping Station Electrical Upgrade	\$ -	N/A	N/A	\$ 99,861.00	100.00%	0.00%	\$ -	N/A	N/A
EE 09-02	Electrical Upgrade - Water Wells	\$ 354,227.00	100.00%	0.00%	\$ 1,500,000.00	99.31%	0.69%	\$ -	N/A	N/A
EE 09-03	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-04	Electrical Upgrade - Water Booster	\$ -	N/A	N/A	\$ 977.00	100.00%	0.00%	\$ -	N/A	N/A
EE 09-05	Electrical Upgrade - Other Water	\$ -	N/A	N/A	\$ 60,700.00	100.00%	0.00%	\$ -	N/A	N/A
EE 09-06	SCADA Improvements - Phase 1	\$ 250,000.00	91.01%	8.99%	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-07	SCADA Improvements - Phase 2	\$ 1,056,986.00	100.00%	0.00%	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-08	SCADA Improvements - Phase 3	\$ 74,955.00	100.00%	0.00%	\$ 722,359.00	93.08%	6.92%	\$ 1,077,497.00	74.43%	25.57%
EE 09-09	SCADA Improvements - Phase 4	\$ -	N/A	N/A	\$ -	N/A	N/A	\$ 4,378,118.00	86.07%	13.93%
		\$ 1,798,118.00			\$ 2,383,897.00			\$ 5,455,615.00		

Miscellaneous Engineering Support

CIP #	CIP Description	2010 Bond Allotment	% encumbered	% available	2013 Bond Allotment	% encumbered	% available	2016 Bond Allotment	% encumbered	% available
MC 05-01	Laboratory Modernization	\$ -	N/A	N/A	\$ 1,171,465.00	99.95%	0.05%	\$ 1,127,000.00	100.00%	0.00%
MC 05-02	Land Survey	\$ 499,688.00	100.00%	0.00%	\$ 1,052.00	100.05%	-0.05%	\$ 1,260,524.00	99.35%	0.65%
MC 09-01	General Plant Improvements	\$ 7,241,000.00	100.00%	0.00%	\$ 2,441,737.00	54.71%	45.29%	\$ 1,543,760.00	96.97%	3.03%
MC 15-01	Information Technology Intergration Improvements	\$ -			\$ -			\$ 500,000.00	48.81%	51.19%
		\$ 7,740,688.00			\$ 3,614,254.00			\$ 4,431,284.00		

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

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

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

Bond Fund	Construction Fund Amount (\$M)	Estimated # of months fund available for use	Total Funds encumbered to date (\$M)	% of fund used	Rate of Spending: (\$M) per year
2005	\$82.930	82 *	\$82.930	100.00%	12.14
2010	\$87.402	111 **	\$83.541	95.58%	9.03
2013	\$139.325	74 **	\$136.483	97.96%	22.13
2015	\$140.019	44	\$90.326	64.51%	24.63

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

** - Includes month of April 2020

B. Projects Procurement

Percentage Key:

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

BOX KEY FOR PROCUREMENT:

(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.	

<u>BID PACKAGE</u> PW 05-07	Groundwater Well Production Meter Replacement Project	
100% Complete	Activities/Notes: Contract was approved on April 21, 2020. NTP commenced on April 29, 2020.	
Project Description:	Work to be performed under this project shall consist of replacing the production well meters and associated well head piping.	

<u>BID PACKAGE</u> WW 09-06	Bayside Sewer Pump Station Improvements Project	
100% Complete	Activities/Notes: Contractor submitted Performance and Payment bonds for GWA review. Pending submission of insurance documents due to COVID-19 issue.	
Project Description:	Work to be performed under this project shall consist of converting existing facility to pump station to house two submersible pumps along with improvements to the electrical system and the relocation of a power transformer located near the facility out to the nearest GPA power pole.	

<u>BID PACKAGE</u> PW 09-11	Tank Repair and Bypass	
98% Complete	Activities/Notes: Contract was approved on April 21, 2020. NTP to commence on May 6, 2020.	
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.	

<u>BID PACKAGE</u> PW 12-01, PW 09-11	Pressure Zone Realignment Construction Phase I	
98% Complete	Activities/Notes: Contract was approved on April 21, 2020. NTP to commence on May 6, 2020.	
Project Description:	Work to be performed under this project consist of installing Pressure Regulating Valves (PRV's), piping, gate valves, etc. at strategic locations within the water distribution system to control the pressure ranges to the customers.	

<u>BID PACKAGE</u> USEPA-SRF	Groundwater Wells A-02, A-07, A-12, D-05 and F-03 Rehabilitation	
--	---	--

70% Complete	Activities/Notes: No bid was submitted on December 13, 2019. Design consultant is revising the bid documents for re-bid of the project.	
Project Description:	Work to be performed under this project consist of rehabilitating four (4) existing production well sites including development, testing and permitting of a new production well.	

<u>BID PACKAGE</u> OEA GRANT	Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant (NDWTP) to Secondary Treatment (Re-Bid)	
90% Complete	Activities/Notes: Notice of Intent to Award issued to sole bidder on April 23, 2020.	
Project Description:	Work to be performed under this project consist of approximately 2,000 LF at a depth of 140 feet ocean-installation of an outfall diffuser.	

<u>BID PACKAGE</u> OEA GRANT	Northern Guam Lens Aquifer (NGLA) Monitoring System Expansion Project for the Guam Water and Wastewater Infrastructure Improvements Program	
50% Complete	Activities/Notes: Consultant submitted draft bid documents on March 30, 2020 for GWA review.	
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> OEA GRANT	Northern Guam Lens Aquifer (NGLA) Monitoring System Rehabilitation Project for the Guam Water and Wastewater Infrastructure Improvements Program	
50% Complete	Activities/Notes: Consultant submitted draft bid documents on March 30, 2020 for GWA review.	
Project Description:	Work to be performed under this project consist of rehabilitation of ten existing monitoring wells located on GovGuam or private property. Upon construction completion, all wells will be used to monitor water level and other groundwater characteristics of the NGLA.	

BOX KEY FOR PROJECT:

(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
72% Complete	Activities/Notes: Remaining work is construction management services for the Tank Repair and Bypass Construction. Meeting conducted with DCA to discuss CM plan for the Tank Repair/bypass construction project.	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 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 meet system head requirements.	

DESIGN PW 09-11	Northern and Southern Guam Reservoir Design (TG Engineers)	Start Date: May 2015
74% Complete	Activities/Notes: <u>Ugum Reservoir</u> Design is at approximately 50%. GWA and TGE is clarifying SCADA scope. TGE has submitted a change order for additional foundation design and meeting extension. Change order comments have been submitted to TGE. Biological Assessment report pending. Archaeological report completed.	Completion Date: None. (Expected 6 months after Agfayan property issue is resolved)

	<p><u>Inarajan and Agfayan Booster Pump Station</u> Meeting needs to be scheduled with GFD to discuss fire flow requirement before pumps can be sized for both sites. GWA called GFD to schedule, but no answer. GWA will follow up with GFD. Biological Assessment and Archaeological report are pending.</p> <p><u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update.</p>	
CO 29 (b)(4)	Engineering design services	
Project Description:	<p>The design services will consist of preparation of plans, specifications, and estimates (PS&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.</p>	

DESIGN PW 12-04	Central Guam Reservoirs Design (GHD Inc.)	Start Date: May 2015
86% 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. Bobbie is checking with Liz if the letter has been mailed out.</p> <p><u>Manenggon Reservoir and Access Booster Pump Station</u> Design is at 100% pre-final. Designer is performing QC checks before submitting to GWA for review. Biological Assessment report completed. Archaeological report completed.</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 is waiting for Dept. of Agriculture consultation response letter before applying. Biological Assessment report has been completed. Archaeological report is pending.</p>	Completion Date: TBD

	<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.</p> <p><u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon No. 1, Hyundai, Chaot No. 2 Reservoir Construction for update.</p>	
CO 29 (b)(4)	Engineering design services	
Project Description:	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 May 1, 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
92% Complete	Activities/Notes: Connection of new pipes to the existing waterline at Hahasu (Dededo) requires GWA Water Operation schedule. Work at Assumption Drive (Piti) is pending until DPW reopens the Building Permit Section due to COVID-19.	Completion Date: April 30, 2020
	Construction Services	

Project Description:	The project is intended to replace existing water lines that have been found by operations to be leaking and/or are causing service delivery to less than what GWA is required to provide. The project will replace water mains at ten known locations throughout the island and a component within the bid where line replacement work for unknown locations is accounted for.
-----------------------------	---

DESIGN PW 05-15	Asan Spring Rehabilitation Design (HDR)	Start Date: August 24, 2016
82% Complete	Activities/Notes: A CO no.2 has been routed to Finance for signature and pending GM's approval. The purpose for CO no.2 is to address the potential endangered species that may be located on the project site.	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. 	

CONSTRUCTION PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction (Pernix)	Start Date: December 1, 2016
--	--	--

99% Complete	Activities/Notes: Yigo #1 & #2: Final inspection conducted February 07, 2020. Astumbo #1 (New Concrete): Contractor remaining work items include testing of instrumentation and electrical upgrade work. Electrical work is pending DPW permit. Follow up has been made by the Contractor to Pernix via email.	Completion Date: October 31, 2018 (LD are being totaled)
	Construction Services	
Project Description:	This project will involve construction of two (2) 2MG concrete tanks and Booster Pump Station at the Yigo site and a one (1) 2MG concrete tank at the Astumbo site. Work will involve new pipe line, valves, electrical controls, pumps and motors, site drainage, paving, generator for the BPS, SCADA, etc.	

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. GWA executed Change Order after CCU approval.	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
66% complete	Activities/Notes: <u>Tumon No. 1</u> Contractor working on water line at Marine Drive, control building, and site vaults. <u>Hyundai</u> Contractor working on tank roof, booster pump station, and offsite waterline. Tank pre-stressing work may be delayed due to COVID-19 restrictions. DN Tanks may not be able to get pre-stressing crew on island.	Completion Date: None.

	<u>Chaot No. 2</u> Contractor working on tank interior, site vaults, and well work. Baffles have been installed. Minor repair work inside tank. Dero Road PRV work on hold due to subcontractor being quarantined. Work to resume soon.	
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
70% Complete	Activities/Notes: <u>Tumon #1</u> Contractor working on water line at Marine Drive, control building, and site vaults. Marine Drive HEP expired May 30, 2020. GWA operations is investigating how to secure 24 in. line for the contractor to connect new lines. <u>Hyundai</u> Contractor working on booster pump station, tank repair work and offsite waterline. Tank roof poured. Tank pre-stressing work may be delayed due to COVID-19 restrictions. DN Tanks may not be able to get pre-stressing crew on island. Container office HEP expired March 21, 2020. North Sabana HEP expired April 3, 2020. <u>Chaot #2</u> Contractor working on site vaults, PRV and well work. Tank inspection to be scheduled after duck bill valve is installed. Stage area HEP will expire on May 31, 2020. Dero Road HEP will expire on May 18, 2020. Well HEP will expire on December 17, 2020. Dero dirt Road HEP new application submitted to DPW on March 10, 2020. All request for permit extensions have been submitted to DPW.	Completion Date: TBD (Completion date has passed. Pending time extension for permit delays.)
	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 October 3, 2019. Pending permits with SHPO, GEPA and DPW. GWA is waiting on designer - TGE to provide archaeological port for Sinifa site. The remaining sites are still under review by SHPO. Stop order was issued for the CM until contract extension and fee negotiation. GWA coordinating RFI reviews with EOR. Contractor has submitted Invoice no. 1.	Completion Date: TBD (currently February 21, 2021)
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

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 October 3, 2019. Pending permits with SHPO, GEPA, and DPW.	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.	

DESIGN PW 05-12	Pressure Zone Realignment and Tank Repair-Replacement (GHD)	Start Date: August 2018
Design will be done in Phases. Phase 1 - 100% (Design) Phase 2 - 30% (Design)	Activities/Notes: Designer is working on Phase II sites. Phase II sites approximately 30% complete. Ops has provided field investigation data for 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.	

CONSTRUCTION	Pressure Zone Realignment and Tank Repair-Replacement – Phase I	Start Date: December 17, 2019 (Notification of
---------------------	--	---

	(Sumitomo)	Award)
0% Complete	Activities/Notes: Construction contract effective April 21, 2020. NTP issued May 1, 2020 with modified language for work starting onsite. Pre-construction meeting tentatively scheduled for Monday, May 11, 2020, at 9:00am. GWA reviewing submittals submitted by SMCC on week of May 4, 2020.	Completion Date: April 21, 2021
N/A	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services for the installation of control valves (PRVs, PRSVs), piping, and related electrical upgrades to properly control and measure system flow between zones.	

DESIGN PW 09-02	New Well Site Development - Y-08, AG-10, AG-12 (GHD)	Start Date: September 2018 (Extension)
99% Complete	Activities/Notes: Design plans and specs are expected to be submitted by GHD on the week of May 18, 2020.	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: DPR already signed the permit first week of March but still needs permit approval with other agencies and Mayor's Offices. The customer service for clearances of highway encroachment permit was temporarily suspended due to Covid-19. We can resume the permit processing once the operation is back to normal. Some of the materials ordered off island already arrived.	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.	

D. CIP Wastewater Section

CONSTRUCTION WW 11-08	Agat-Santa Rita WWTP Phase II (Sumitomo Construction)	Start Date: January 2016
Part 1 of Phase II- 100% Complete Part 2 of Phase II- 100% complete	Activities/Notes: Change Order nos. 16 & 17 were executed. Waiting for final Payment.	Completion Date: Part 2 of Phase II – November 26, 2019
CO #16	Construction services	
Project Description:	This project includes construction of the head works, clarifier, oxidation ditches and UV disinfection and administration facilities. Rehabilitation work at the existing WWTP will also occur to ensure the wastewater can be pumped to the new plant. The new plant will also tie into the Tipalao SPS.	

DESIGN WW 09-06	Bayside SPS Improvements Design (EMPSCO)	Start Date: July 29, 2016
100% Design 0% Construction Services	Activities/Notes: Sumitomo rectify the bid form and resubmit to GWA. Sumitomo submitted Certificate of Insurance. GWA requested for copy of insurance policies for review	Completion Date: TBD
CO #3	Engineering design services	
Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges and install underground power cable due to GPA's concern that existing power pole, located on the bank is at risk of being lost due to storm surges.	

CONSTRUCTION WW 09-08, WW 11-03	Baza Gardens Cross Island Road Sewer Conveyance Construction Phase III (Sumitomo Construction)	Start Date: June 2017
100% Complete	Activities/Notes: Continue working with the project close out documents including warranties, O & M, Asset Management and final Change Order. Substantial Completion Certificate were issued and Change order# 5 deletion of EQ tank 2 were submitted to Finance.	Completion Date: TBD
CO #3	Construction services	
Project Description:	The work performed under this project consist of construction of, but not limited to, 10,481' of force mains and sewer pump station at existing WWTP, equalization tanks, stand-by generator, improved headworks, grit removal system, and associated equipment.	

CONSTRUCTION	Umatac-Merizo WWTP Design Build	Start Date:
---------------------	--	--------------------

WW 11-04	Improvements Project (CoreTech)	June 2017
100% Design 99% Construction	<p>Activities/Notes:</p> <ul style="list-style-type: none"> - Plant has been commissioned and all components are operational. - Final SCADA adjustments for Recirculation Pond discharge flow rate read-out still to be resolved. Auto-dial feature completed and functional. GWA must arrange account responsibility change to assume the ownership of account for auto-dial connection. - Substantial Completion determined to be January 3, 2020 and recommended to GWA. - Payment #19 sent to GWA. <p>Change Proposals:</p> <ul style="list-style-type: none"> - Executed Change Orders through #21. 	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	<p>Activities/Notes:</p> <p>Review of As-Builts done. Close-out documents needed. Final invoice received and processed to GWA.</p>	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) 81% Services during construction	<p>Activities/Notes:</p> <p>Continue attending progress meetings. On standby to address any questions for DOR.</p>	Completion Date: November 2017 - Design December 31, 2019 - (Bid and Construction Support)

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

CONSTRUCTION EE 09-08, EE 09-09	SCADA Phase A1 Construction (G4S Security)	Start Date: July 13, 2018
43% Construction	Activities/Notes: As-built, O&M Manual, Training Manual, Punchlist Items, Training are all outstanding. No items were cleared since last report. No payment is being processed due to contractor not meeting the requirements for payment, i.e. submittal of Red-line drawings and 30-day updated progress schedule.	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
98% Complete	Activities/Notes: Change Order No. 04 fully executed. Continuing to provide submittal review, claims, and closeout support.	Completion Date: December 31, 2019
	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.	

CONSTRUCTION	Groundwater Well Production Meter Replacement Project (Giant Construction)	Start Date: April 29, 2020
0% Complete	Activities/Notes: Change Order No. 04 fully executed. Continuing to provide submittal review, claims, and closeout support.	Completion Date: April 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.	

F. GIS Section

<u>MAPPING</u> 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.	

<u>MAPPING</u> MC 05-02	Island Wide Survey PH II - (Duenas, Camacho & Ass.)	Start Date: August 30, 2017
78% complete	Activities/Notes: First set of land registration maps (5): DCA performing field survey. Second set (20): 20 maps signed by the Governor of Guam.	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									69
Occupancy Permit	6	31	25	1									63
New Installation	4	17	15	0									36
Sewer Application	0	1	4	0									5
Sewer Inspection	0	0	1	0									1
Private Utility Acceptance	0	0	0	0									0
Relocation of Water Meter	0	2	0	0									2
Tapping-Water	1	5	3	0									9
Tapping-Sewer	1	5	3	0									9
Clearance-Water	14	10	20	12									56
Clearance-Sewer	14	10	20	12									56
Highway Encroachment	36	5	20	0									61
Verification of Utilities	6	6	1	1									14
Fire Flow Test	0	3	0	0									3
Schedule Water Outage	0	0	0	0									0

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


H. USEPA SRF Project Status Report

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

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

Percentage Key:

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

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

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

GWA Work Session - May 19, 2020 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 05/11/2020
3	Asan-Adelup-Hagatna RT1 Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	2	12/11/2015	3/30/2017 for Design requirements	\$ 1,780,210.00	HDR	HDR assisting as needed. Working with CM to review CCTV, submittals as requested, and any variance requests. Also, Archaeological monitoring through HDR contract. HDR CO for archaeological monitoring and additional construction services services approved by GWA . This CO will include design services for Phase 2 (Adelup to Hagatna).
			Construction	2	11/9/2018	3/8/2020	\$6,275,782.88	InfraTech	Infratech (via Allied Trenchless) completed Cleaning/CCTV for areas they were able to access. Contractor working on point repairs. Replacement of three manholes completed. Installed new 16-inch main replacing 12-inch main. Working on point repair near bridge . Contractor working on revising TCP for section crossing over to pump station to satisfy DPW to prevent closing down to one lane in both directions. Ongoing while other work is being done. CO3 for additional cleaning, abatement of 14" AC pipe, additional time and cost for traffic control signed approved by GWA .
			Construction (Phase 2)				\$4,000,000.00		Pre-solicitation notice drafted and submitted to GWA.
			CM	2	8/3/2017	3/8/2020	\$ 870,610.41	DCA	Working with Contractor on schedule, submittals, responding to RFIs, and assisting in the negotiations of PCO costs.
4	RT2 Agat War in the Pacific Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	3	11/17/2015	3/30/2017 for Design requirements	\$ 316,681.00	SSFM	Providing designer support during construction. Final invoice submitted to GWA on 05/01/2020.
			Construction	3	8/31/2017	10/1/2018 (Contractor in LD period)	\$4,688,042.38	ProPacific	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. Work now completed: • Punchlist except one drop manhole. Remaining work to do: • Inside drop for 11 Submitted CO to resolve excess excavated materials, time extension, LD time, and other costs to GWA this month. Processed Invoice 19 (through October) at \$215K, and Invoice 20 (through December) for ~\$230K.
			Construction (Phase 2)						B&C working with HDR to prepare bid documents for RT1 Asan-Adelup-Agana PH2.
			CM	3	9/19/2017	10/1/2018	\$ 749,950.00	TG Engineers	Assembling close-out documentation.
5	Brown & Caldwell Project Management	T. Cruz	Design	4	3/24/2015	2/28/2019	\$ 2,640,220.00	B&C	Project underway.

GWA Work Session - May 19, 2020 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 05/11/2020
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	Design services during construction on hold until construction IFB is issued
			Construction	4	8/15/2019	8/30/2020			Designer is currently revising plans to reflect new specs and recommendations. Draft to be completed by end of April.
			CM	4	8/15/2019	8/30/2020			RFP advertised on July 30th, closing date August 16th. Pending notice of award. Negotiations have been attempted between GWA and the most qualified consultant, Third Revised Fee Proposal (No.3) is expected by Friday, 03/13/2020.
8	Tumon Sewer Hot Spots	Brown & Caldwell	Design	7	6/24/2016	10/30/2017 for design only	\$ 572,089.00	TG Engineers	TGE to provide engineering services during bid process.
			Construction	See Project 15	12/1/2018	12/31/2019	See Project 15	See Project 15	See Project 15
			CM	See Project 15	5/31/2019	5/31/2020	See Project 15	Am Orient	Procurement 100%: Contract fully executed. CM services to be on hold until bidding restarted.
12	RT4 Relief Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	9	3/1/2016	4/22/2017	\$ 794,000.00	AECOM	AECOM assisting as needed. Submitted CO for AMDRP revision and additional funding for monitoring.
			Construction	5	9/3/2018	6/30/2020	\$ 3,998,688.00	Insituform	Insituform/Mocon completed all CIPP and post-CCTV. Contractor requested CO for reinstating 4 unidentified service connection. Need for service connection "top hats" likely to prevent infiltration at reinstatements below groundwater level. CCU approval needed for Change Order no. 5 to increase contingency authorization.
				6	9/25/2018	6/30/2020	\$ 3,407,848.00	ProPacif	PPBC working on manhole rehab. Infiltration between pipe and liner entering the manholes has been fixed by Insituform. Finished 18" intertie and new SMH-6901A. Working on installation of new pipe between SMH-6901A to the upstream SMH-6901. Submitted CO1 (193 days for \$276,760.19) for time extension and associated costs, mainly due to permitting delays, work hour time restrictions, additional traffic control requirements, and coordination. Change Order No. 2 executed.
			CM	6	11/15/2018	12/31/2019	\$ 702,678.13	EMPSCO	Working with contractors on schedules, submittals, permitting, and contractor's request for additional time and costs. Also working with contractors in the field.

GWA Work Session - May 19, 2020 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 05/11/2020
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"> 401C application submitted to GEPA on 8/12/19. PPBC contracting DCA to perform services. DCA and DoAG to survey site on 3/17/20, but due to GovGuam shut down, it has been postponed. Federal Consistency submitted approved 11/25/2019. SHPO – potential archaeology on board (SEARCH); may contract as a purchase order under GWA or sub to BC. 404: New USACE PM (Albert Williams); now pursuing an NWP3; willing to issue a provisional permit; just need wetland delineation map. NWP delivered to USEPA for submission on 10/24/19 (included biological assessment and AMDP from Phase I). Awaiting wetland delineation map. GWA prepared legal easement document. Under Guam AG review. Design - sent comments on latest design submittal on 05/05/2020. <p><u>Baza Gardens/Talofofo</u></p> <ul style="list-style-type: none"> PPBC completed work for Change Order 4 on 11/04/2019. Processed invoice (\$2,845.36). EMPSCO beginning closeout.
			CM	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	Will start close out process once invoice is processed. Pending PPBC submittal of construction photos. Negotiated Change Order for additional CM services covering project closeout amounts to \$6,067.66. Change Order executed by GWA on 03/28/2019 and transmitted to CM on 03/29/2019. A deductive change order will be issued to PPBC for the final amount of this change order after all CM services are complete.
15	Tamuning Sewer Hot Spots	G. Gattoc	Design	10	9/9/2016	10/31/2017 (for design only)	\$ 663,629.00	TG Engineers	TGE to provide engineering services during bid process.
			Construction	9	1/30/2020	12/31/2020	\$ 1,093,955.87	Ian Corporation	Contractor submitted draft of wastewater bypass plan. CM reviewed draft and returned comments to Contractor for revision and re-submission. Contractor still addressing asbestos abatement plan and revised E&SC plan. Contractor continues to revise/resubmit material submittals in conjunction with CM review. Project awaiting GEPA re-opening for permit hold coordination/approval.
			CM	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).

GWA Work Session - May 19, 2020 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 05/11/2020
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	Design of Talofofo Lift Stations • Final Design completed June 2018. Design of Chalan Pago Wastewater Pump Station • CO-03 regarding Biological Assessment update. Survey is in progress. • Checking space availability and costs associated with adding a larger fuel tank (5-day tank capacity). No new invoice to date.
			Construction	10	12/27/2018	4/27/2020	\$ 2,411,418.00	Giant Const.	Ladera 1: Electrical work ongoing. Significant loss observed during Wet Well leak test. Investigating leak source. Wall fence work started. Tenorio: Electrical work ongoing. Wet well leak test results submitted 5/6/20, pending review. Epoxy coating to follow. Wall fence work started. Taitague: Wet well leak test results submitted 5/6/20, pending review. Grading nearby ponding basin ongoing. Fittings installed in Valve Vault. CMU wall complete. Wall fence work started. Ladera 2: Electrical work ongoing. Wet well leak test results submitted 5/6/20, pending review. Epoxy coating to follow. Wall fence work started. Ayuyu: Electrical work ongoing. Wet well leak test results submitted 5/6/20, pending review. Epoxy coating to follow. Wall fence work started. Pumps and electrical/control panels arrived on island 03/04/2020. No new invoice to date. Slow progress due to shortage of work force. Request for time extension forthcoming (one extension).
			CM		12/1/2018	12/31/2019			GWA Engineering will management construction management tasks.
17	Chalan Pago Sewer Pump Station	J. Davis	Design		8/17/2016	11/30/2017	The design will be included with the Talofofo Pump Station design project.		
			Construction	11	5/15/2019	3/30/2020			• Awaiting execution of CO3 for EMPSCO to update Biological Assessment.
			CM		5/15/2019	3/30/2020			
18	Water Hydraulic Model (SCADA ready instruments to update Model)	Barbara Cruz J. Mendiola/G. Yeoh	Design	12	8/3/2016	3/15/2017	\$ 523,268.00	GHD	Design complete.
			Construction (Phase 1)	12	8/3/2016	6/30/2020	\$ 4,532,000.00	Sumitomo	Project went out to bid October 2019. Contract with SMCC was approved by the CCU on 01/28/2020. PUC Notification sent out on 03/05/2020. Contract effective 04/21/2020. NPT issued 05/01/2020.
			CM		6/15/2019	6/30/2020			
23	Project Advertisement	Engineering/Procurement	MISC	1			\$ 25,172.50	PDN/Post	On-going

GWA Work Session - May 19, 2020 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 05/11/2020
24	Dungca Beach Sewer Improvements	GWA CIP Engr	Design						GWA Engineering preparing RFP documents for advertising.
25	Hagatha Sewer Pump Station Force Main	GWA CIP Engr	Design						GWA Engineering preparing RFP documents for advertising.
26	Fujita Sewer Pump Station Force Main	GWA CIP Engr	Design						GWA Engineering preparing RFP documents for advertising.
27	Well Rehab A-28, M-14, D-15 & F-7	GWA CIP Engr	Design						GWA Engineering preparing RFP documents for advertising.

\$ 65,741,613.02



Financial Statement Overview April 2020

The GWA FY19 audit reports were released on May 15, 2020 with unmodified or clean opinions. There were no audit findings and GWA was designated as a low risk auditee for the 4th year in a row. Additionally, on May 14, 2020 (May 15 Guam time), S&P Global Ratings assigned an A- rating for the \$134 million 2020A series water and wastewater system revenue bond and affirmed A- ratings on GWA outstanding debt.

Throughout the month of April, non-essential Government of Guam offices and businesses remained closed. On April 11, 2020, Governor Leon Guerrero mobilized the Guam National Guard to set up check points on major roadways in an attempt to limit non-essential traffic. These check points remained in place through April 27, 2020.

In compliance with the Executive Orders, GPWA customer service offices were closed on March 16. However, on March 23, 2020, GWA reopened its Upper Tumon drive-thru for the convenience of our cash paying customers as well as those who prefer to make payments in person. GWA has also been encouraging its customers through flyers, social media, and press releases to use alternate ways of paying their water bills. Additionally, GWA is working with *Going Online Together* to encourage islanders to use digital forms of payment.

From October 2019 through February 2020, GWA average monthly receipts were \$9.2M. In March and April, collections were \$8.4M and \$7.5M, respectively. For the first five months of the fiscal year, 56% of payments came through the customer service offices in Upper Tumon, Julale, and Fadian, dropping to 32% in March and 20% in April with only the Upper Tumon drive thru open in April and the last week in March. The average amount of collections made through ACH, mail and the drop box increased to \$3.3M for the last two months in the fiscal year compared to \$1.6M for the first five months. The average monthly receipts from online and pay-by-phone decreased slightly in the last two months of the fiscal year to \$1.9M from \$2.1M for the first five months.

On Sunday, May 10, 2020, Governor Leon Guerrero placed Guam in PCOR2, allowing certain additional businesses and government offices to open to the public. GPWA reopened the Fadian and Julale offices to take payments and offer limited services on May 14. Additionally, a second drive thru in Fadian was opened. COVID-19 stimulus checks began circulating the economy as the island went into PCOR2 and it is expected that unemployment checks will be released by mid-June. A number of Guam businesses received SBA loans and GovGuam has funded additional relief programs for low income individuals and small businesses.

With the reopening of businesses and government offices as well as the relief funding to both businesses and individuals, we anticipate a pickup in collections for the later part of May and into June.

While YTD consumption is about the same as last year (water consumption 0%, wastewater consumption +1%), April 2020 consumption was down compared to April 2019 (water consumption -7%, wastewater consumption -10%). We continue to monitor bills as they drop in May to determine the impact on hotel consumption due to the lack of tourists as well as on business and government demand due based on move to PCOR-2. See Schedule K for Water Demand for FY2015 to FY2020.



Revenues are being continuously monitored and a cost containment plan has been put into effect. However, the public health emergency has required additional outlays for emergency pay and other COVID-19 related expenses. 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 \$913M in September 2019 grew by \$12.2M or 1.34% to \$928.0M in April 2020. Current Assets decreased by \$3.6M, Property, Plant and Equipment increased by \$30.9M, and Other Noncurrent Assets decreased by \$14.6M. Note that Schedule F contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$714.2M in September 2019 decreased by \$15.6M or 2.2% to \$698.6M in April 2020 primarily due to decreases in Current Liabilities of \$14.8M.
- Accounts Receivable days were 48 in April 2020 as compared to 50 in September 2019 and Accounts Payable days were 38 in April 2020 as compared to 38 in September 2019.

Statement of Operations and Retained Earnings

- Total Operating Revenues for April 2020 of \$8.3M were 8.3% or \$746.1K less than budget and 10.6% or \$983.3K less than April 2019 due to the impact of the COVID-19 emergency.
- Year to Date Operating Revenues as of April 2020 of \$63.8M were \$542.1K or .9% more than budget and were \$817.0K 1.3% less than last year. Note that the budget, was adjusted in April to reflect the effects of the public health emergency.
- Total Operating Expenses for April 2020 of \$7.6M were \$548.6K or 7.8% over budget, with all expenses coming in below budget except for Power, Salaries and Benefits, and Retiree Expenses; special pay for employees reporting to work were a large part of this overage. Total Operating Expenses for April 2020 were 7.2% or \$508.9K more than April 2019 due to increases in Water Purchases, Salaries and Benefits, Depreciation, and Retiree Expenses.
- Year to Date Operating Expenses at April 2020 of \$51.9M were \$2.6M more than budget of \$49.2M with most expenses coming in below budget except for Power, Chemical, Materials & Supplies, Bad Debts, Depreciation and Retiree Costs. Year to Date Operating Expenses at April 2020 of \$48.6M were \$3.2M or 6.7% more than last year's at \$51.9M with increases in Utilities of \$1.2M, Salaries and Benefits of \$607K, Administrative & General Expenses of \$259K, and Depreciation of \$1.8M offset by decreases in Contractual Expenses of \$497.5K, and Retiree Benefits of \$173.2K.
- Earnings from Operations for April 2020 of \$707.6K were 64.7% or \$1.30M less than budget and 67.8% or \$1.50M less than April 2019. Change in Net Assets for April 2020 of \$13.1M were \$10.4M more than budget mainly due \$11.1 M more in Grants from US Government and \$10.6M more than April 2019 due to \$13.7M more in Grants from US Government.
- Year to Date Earnings from Operations as of April 2020 of \$11.9M were 15% or \$2.1M less than budget and 25% or \$4.1M less than YTD Earnings as of April 2019. Year to Date Change in Net Assets as of April 2020 of \$27.8M were \$8.9M or 47.2% more than budget mainly due \$6.0M more in Grants from US Government and \$3.9M less in interest expense than projected. Year to



Date Change in Net Assets as of April 2020 were \$6.3M or 29.1% more than YTD as of April 2019 mainly due to \$19.7M more in US Government Grants and \$8.1M less in AFUDC.

Key Financial Indicators

Indicator	Target	March 2020	April 2020
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.42	1.32
• Per PUC / CCU	1.40	1.42	1.32
Days – Cash on Hand	120 days	187 days	280 Days*
Collection Ratio			
• Month to Date	98%	95%	90%
• Year to Date	98%	98%	97%
Days Billed	30	29	30
Account Receivable Days	45	47	48
Account Payable Days	45	37	38
Employee Count	400 FTE	377 FTE ⁺	378 FTE
Water Customers	42,644	42,250	42,893
Wastewater Customers	29,687	29,194	29,644

*Based on Cost Containment Budget

⁺Updated

**GUAM WATERWORKS AUTHORITY
APRIL 30, 2020
FINANCIAL AND RELATED REPORTS
TABLE OF CONTENTS**

	SCHEDULES	PAGE
BALANCE SHEET	A	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	B	3
INCOME STATEMENT MTD ACTUALS FY20 VS FY19	C	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY20 VS FY19	E	6
SCHEDULE of CASH RESTRICTED/UNRESTRICTED	F	7
AGING REPORT - GOVERNMENT RECEIVABLES	G	8
AGING REPORT - RECEIVABLES BY RATE CLASS	H	9
AGING REPORT - ACCOUNTS PAYABLE	I	10
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	J	11
WATER DEMAND BY RATE CLASS FY2015 - FY2020	K	12

GWA Work Session - May 19, 2020 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Balance Sheet
April 30, 2020

SCHEDULE A

	Unaudited April 30, 2020	Audited September 30, 2019	Increase (Decrease)
ASSETS AND DEFERRED OUTFLOWS of RESOURCES			
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule F)	41,147,274	36,140,182	5,007,092
Restricted Funds (Schedule F)	27,881,378	37,890,369	(10,008,991)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$9,049,169 at Apr 30, 2020 and \$7,789,943 at Sep 30, 2019	13,994,369	14,346,247	(351,878)
Federal Receivable	5,891,778	3,711,435	2,180,342
Other Receivable	1,747,808	1,794,082	(46,272)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Apr 30, 2020 and \$64,131 at Sep 30, 2019	3,536,934	3,897,352	(360,418)
Total Current Assets	94,199,541	97,779,668	(3,580,125)
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	382,921,847	381,484,623	1,437,224
Wastewater system	456,881,508	429,896,579	26,984,928
Non-utility property	23,816,841	23,200,625	616,216
Total property	863,620,196	834,581,827	29,038,368
Less: Accumulated Depreciation	(335,685,583)	(321,561,403)	(14,124,180)
Land	3,914,815	3,914,815	-
Construction Work in Progress	116,148,514	100,162,613	15,985,901
Property, Plant and Equipment, net	647,997,941	617,097,852	30,900,090
<u>Other noncurrent assets and deferred charges</u>			
Restricted cash (Schedule F)	88,749,986	109,937,511	(21,187,525)
Investments (Schedule F)	68,476,497	61,231,877	7,244,620
Other Prepaid Expenses	681,737	1,667,816	(986,078)
Regulatory Assets	328,750	-	328,750
Total other noncurrent assets and deferred charges	158,236,971	172,837,204	(14,600,233)
Total Assets	900,434,453	887,714,724	12,719,731
Deferred outflows of resources			
Debt defeasance due to bond refunding	11,493,551	11,976,380	(482,829)
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	927,967,700	915,730,799	12,236,902
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2010 Revenue Bond	1,895,000	1,895,000	-
Series 2013 Revenue Bond	2,695,000	2,695,000	-
Series 2014 Refunding Bond	3,760,000	3,760,000	-
Series 2016 Revenue Bond	420,000	420,000	-
Series 2017 Refunding Bond	-	-	-
Notes Payable	-	2,319,108	(2,319,108)
Accounts Payable -Trade	3,774,161	4,121,364	(347,203)
Accrued and Other Liabilities	1,031,892	1,374,650	(342,758)
Interest Payable	8,468,396	6,359,303	2,109,093
Accrued Payroll and Employee Benefits	388,881	1,685,235	(1,296,353)
Accrued Annual Leave	1,054,545	1,054,545	-
Current portion of employee annual leave	584,204	584,204	-
Contractors' Payable	9,655,731	22,094,820	(12,439,089)
Customer and Other Deposits	2,218,325	2,349,490	(131,166)
Total Current Liabilities	35,946,135	50,712,718	(14,766,583)
<u>Long Term Debt, less current maturities</u>			
Series 2010 Revenue Bond	-	-	-
Series 2013 Revenue Bond	169,935,000	169,935,000	-
Series 2014 Refunding Bond	65,140,000	65,140,000	-
Series 2016 Revenue Bond	142,890,000	142,890,000	-
Series 2017 Refunding Bond	107,365,000	107,365,000	-
Unamortized Bond Premium/Discount	31,023,802	31,863,590	(839,788)
Notes Payable	-	-	-
Net pension liability	49,593,171	49,593,171	-
Net OPEB obligation	62,656,405	62,656,405	-
Employee Annual Leave, Less Current Portion	838,545	838,545	-
Total Liabilities	665,388,057	680,994,429	(15,606,372)
Deferred inflows of resources:			
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	698,590,863	714,197,235	(15,606,372)
Net Assets	229,376,837	201,533,564	27,843,273
Total Liabilities, Deferred Inflows of Resources and Net Assets	927,967,700	915,730,799	12,236,901

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

SCHEDULE B

	Month to Date		Variance
	Budget*	Actual (Unaudited)	Favorable /
	April-20	April-20	(Unfavorable)
OPERATING REVENUES			
Water Revenues	5,482,041	5,348,606	(133,436)
Wastewater Revenues	3,173,105	2,539,333	(633,772)
Legislative Surcharge	268,785	238,795	(29,990)
Other Revenues	35,994	154,854	118,860
System Development Charge	76,247	8,435	(67,812)
Total Operating Revenues	9,036,173	8,290,023	(746,150)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	604,725	602,356	2,369
Power Purchases	1,105,000	1,142,777	(37,777)
Total Utility Costs	1,709,725	1,745,133	(35,408)
Salaries and Wages	1,807,507	2,115,638	(308,130)
Pension and Benefits	546,381	514,834	31,547
Total Salaries and Benefits	2,353,889	2,630,472	(276,583)
Capitalized Labor and Benefits	(391,667)	(303,498)	(88,169)
Net Salaries and Benefits	1,962,222	2,326,974	(364,752)
Administrative and General Expenses			
Sludge removal	126,822	126,453	368
Chemicals	152,850	136,101	16,749
Materials & Supplies	154,478	146,755	7,723
Transportation	42,453	29,076	13,377
Communications	13,624	10,054	3,570
Claims	6,339	580	5,759
Insurance	77,905	77,860	45
Training & Travel	10,562	-	10,562
Advertising	9,392	8,819	573
Miscellaneous	89,091	88,700	391
Regulatory Expense	20,596	8,319	12,277
Bad Debts Provision	177,174	162,535	14,640
Total Administrative and General Expense	881,285	795,253	86,032
Depreciation Expense	1,830,222	2,063,611	(233,388)
Contractual Expense			
Audit & Computer Maintenance	82,648	25,483	57,165
Building rental	36,300	36,253	47
Equipment rental	83,630	68,385	15,245
Legal	3,616	-	3,616
Laboratory	23,948	8,343	15,605
Other	179,783	122,806	56,978
Total Contractual Expense	409,925	261,270	148,655
Retiree Supp. Annuities and health care costs	190,069	339,805	(149,737)
Contribution to Government of Guam	50,334	50,333	1
Total Retiree Benefits	240,402	390,138	(149,736)
Total Operating Expenses	7,033,782	7,582,378	(548,597)
Earnings (Loss) from Operations	2,002,392	707,645	(1,294,747)
Interest Income - 2010/13/14/16/17 Series Bond	112,563	1,452	(111,111)
Interest Income - Other Funds	18,048	4,183	(13,864)
Interest Income - SDC	2,131	16,961	14,830
Interest Expense - 2010/13/14/16/17 Series Bond	(2,675,432)	(2,117,099)	558,333
Interest Expense - ST BOG	(5,612)	(5,980)	(368)
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	(33,637)	119,970	153,606
Defeasance due to bond refunding	(28,676)	(68,976)	(40,299)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	-	-
Total non-operating revenues (expenses)	(2,610,616)	(2,049,489)	561,127
Net Income (Loss) before capital contributions	(608,224)	(1,341,844)	(733,620)
Capital Contributions			
Grants from US Government	3,311,071	14,456,802	11,145,731
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	3,311,071	14,456,802	11,145,731
Change in Net Assets	2,702,847	13,114,958	10,412,111
Debt Service Calculation			
Earnings From Operations	2,002,392	707,645	
System Development Charge	(76,247)	(8,435)	
Retiree COLA	50,334	50,333	
Interest/Investment Income	18,048	4,183	
Depreciation	1,830,222	2,063,611	
Balance Available for Debt Service per Section 6.12	3,824,749	2,817,337	
Debt Service			
Principal	730,833	730,833	
Interest	2,117,099	2,117,099	
Total	2,847,932	2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.34	0.99	
Debt Service Coverage (1.40X) (PUC)	1.34	0.99	

*Cost containment budget

GWA Work Session - May 19, 2020 - DIVISION REPORTS

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

SCHEDULE C

	Month to Date Actual (Unaudited) April-20	Actual (Audited) April-19	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	5,348,606	5,517,244	(168,638)
Wastewater Revenues	2,539,333	3,316,945	(777,612)
Legislative Surcharge	238,795	288,310	(49,515)
Other Revenues	154,854	47,670	107,184
System Development Charge	8,435	103,156	(94,721)
Total Operating Revenues	8,290,023	9,273,325	(983,302)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	602,356	429,303	173,053
Power Purchases	1,142,777	1,231,315	(88,538)
Total Utility Costs	1,745,133	1,660,618	84,514
Salaries and Wages	2,115,638	1,778,189	337,448
Pension and Benefits	514,834	561,686	(46,852)
Total Salaries and Benefits	2,630,472	2,339,876	290,596
Capitalized Labor and Benefits	(303,498)	(308,333)	4,835
Net Salaries and Benefits	2,326,974	2,031,543	295,431
Administrative and General Expenses			
Sludge removal	126,453	104,377	22,076
Chemicals	136,101	116,979	19,122
Materials & Supplies	146,755	186,736	(39,981)
Transportation	29,076	105,969	(76,892)
Communications	10,054	14,703	(4,649)
Claims	580	5,527	(4,947)
Insurance	77,860	75,172	2,689
Training & Travel	-	8,758	(8,758)
Advertising	8,819	19,036	(10,217)
Miscellaneous	88,700	68,713	19,987
Regulatory Expense	8,319	28,639	(20,321)
Bad Debts Provision	162,535	189,105	(26,570)
Total Administrative and General Expense	795,253	923,715	(128,462)
Depreciation Expense	2,063,611	1,759,065	304,546
Contractual Expense			
Audit & Computer Maintenance	25,483	54,885	(29,402)
Building rental	36,253	35,211	1,042
Equipment rental	68,385	130,442	(62,057)
Legal	-	-	-
Laboratory	8,343	7,147	1,196
Other	122,806	186,152	(63,347)
Total Contractual Expense	261,270	413,836	(152,567)
Retiree Supp. Annuities and health care costs	339,805	234,721	105,085
Contribution to Government of Guam	50,333	50,000	333
Total Retiree Benefits	390,138	284,721	105,418
Total Operating Expenses	7,582,378	7,073,498	508,880
Earnings (Loss) from Operations	707,645	2,199,827	(1,492,182)
Interest Income - 2010/13/14/16/17 Series Bond	1,452	373,098	(371,647)
Interest Income - Other Funds	4,183	83,571	(79,388)
Interest Income - SDC	16,961	16,732	229
Interest Expense - 2010/13/14/16/17 Series Bond	(2,117,099)	(2,137,785)	20,686
Interest Expense - ST BOG	(5,980)	(19,283)	13,303
Loss on Asset Disposal	-	-	-
AFUDC	-	1,157,306	(1,157,306)
Amortization of Discount, Premium and Issuance Costs	119,970	119,709	261
Defeasance due to bond refunding	(68,976)	(69,534)	558
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	(1,865)	1,865
Total non-operating revenues (expenses)	(2,049,489)	(478,049)	(1,571,439)
Net Income (Loss) before capital contributions	(1,341,844)	1,721,778	(3,063,621)
Capital Contributions			
Grants from US Government	14,456,802	806,639	13,650,163
Grants from GovGuam & Others	-	9,432	(9,432)
Total Capital Contributions	14,456,802	816,071	13,640,731
Change in Net Assets	13,114,958	2,537,849	10,577,110
Debt Service Calculation			
Earnings From Operations	707,645	2,199,827	
System Development Charge	(8,435)	(103,156)	
Retiree COLA	50,333	50,000	
Interest/Investment Income	4,183	83,571	
Depreciation	2,063,611	1,759,065	
Balance Available for Debt Service per Section 6.12	2,817,337	3,989,308	
Working Capital Reserve Available for Debt Service	-	955,667	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	2,817,337	4,944,975	
Debt Service			
Principal	730,833	476,250	
Interest	2,117,099	2,137,785	
Total	2,847,932	2,614,035	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	0.99	1.53	
Debt Service Coverage (1.40X) (PUC)	0.99		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.89	

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

SCHEDULE D

	Year to Date		Variance
	Budget*	Actual (Unaudited)	Favorable /
	April-20	April-20	(Unfavorable)
OPERATING REVENUES			
Water Revenues	38,374,290	39,168,315	794,024
Wastewater Revenues	22,211,738	21,838,449	(373,288)
Legislative Surcharge	1,881,494	1,951,800	70,306
Other Revenues	251,960	457,518	205,558
System Development Charge	533,729	379,261	(154,468)
Total Operating Revenues	63,253,212	63,795,343	542,132
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	4,293,072	4,216,491	76,581
Power Purchases	7,675,000	9,018,194	(1,343,194)
Total Utility Costs	11,968,072	13,234,685	(1,266,613)
Salaries and Wages	12,652,552	11,864,383	788,170
Pension and Benefits	3,824,668	3,580,026	244,642
Total Salaries and Benefits	16,477,220	15,444,409	1,032,811
Capitalized Labor and Benefits	(2,741,667)	(1,733,795)	(1,007,871)
Net Salaries and Benefits	13,735,554	13,710,614	24,940
Administrative and General Expenses			
Sludge removal	883,753	879,174	4,578
Chemicals	1,147,948	1,228,851	(80,904)
Materials & Supplies	1,201,343	1,216,952	(15,610)
Transportation	309,172	308,932	240
Communications	75,365	74,897	467
Claims	32,370	32,273	97
Insurance	545,337	545,247	90
Training & Travel	118,936	114,500	4,436
Advertising	32,744	22,874	9,870
Miscellaneous	622,637	620,829	1,808
Regulatory Expense	204,173	200,172	4,001
Bad Debts Provision	1,240,219	1,259,131	(18,912)
Total Administrative and General Expense	6,413,996	6,503,833	(89,837)
Depreciation Expense	12,811,557	14,163,040	(1,351,483)
Contractual Expense			
Audit & Computer Maintenance	333,534	293,244	40,289
Building rental	254,100	254,006	94
Equipment rental	585,407	554,320	31,087
Legal	25,315	-	25,315
Laboratory	167,638	107,127	60,510
Other	1,258,484	1,225,105	33,378
Total Contractual Expense	2,624,476	2,433,803	190,673
Retiree Supp. Annuities and health care costs	1,330,480	1,482,693	(152,214)
Contribution to Government of Guam	352,337	352,335	2
Total Retiree Benefits	1,682,816	1,835,028	(152,212)
Total Operating Expenses	49,236,471	51,881,004	(2,644,533)
Earnings (Loss) from Operations	14,016,741	11,914,340	(2,102,401)
Interest Income - 2010/13/14/16/17 Series Bond	787,942	1,065,192	277,250
Interest Income - Other Funds	126,334	289,105	162,771
Interest Income - SDC	14,914	76,028	61,114
Interest Expense - 2010/13/14/16/17 Series Bond	(18,728,026)	(14,819,693)	3,908,333
Interest Expense - ST BOG	(39,285)	(38,188)	1,097
Loss on Asset Disposal	-	(118,143)	(118,143)
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	(235,457)	839,788	1,075,245
Defeasance due to bond refunding	(200,733)	(482,829)	(282,096)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	(29,803)	(29,803)
Total non-operating revenues (expenses)	(18,274,310)	(13,218,542)	5,055,768
Net Income (Loss) before capital contributions	(4,257,569)	(1,304,202)	2,953,367
Capital Contributions			
Grants from US Government	23,177,500	29,141,225	5,963,725
Grants from GovGuam & Others	-	6,250	6,250
Total Capital Contributions	23,177,500	29,147,475	5,969,975
Change in Net Assets	18,919,931	27,843,273	8,923,342
Debt Service Calculation			
Earnings From Operations	14,016,741	11,914,340	
System Development Charge	(533,729)	(379,261)	
Retiree COLA	352,337	352,335	
Interest/Investment Income	126,334	289,105	
Depreciation	12,811,557	14,163,040	
Balance Available for Debt Service per Section 6.12	26,773,240	26,339,559	
Debt Service			
Principal	5,115,833	5,115,833	
Interest	14,819,693	14,819,693	
Total	19,935,526	19,935,526	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.34	1.32	
Debt Service Coverage (1.40X) (PUC)	1.34	1.32	

*Cost containment budget

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

SCHEDULE E

	Year to Date Actual (Unaudited) April-20	Actual (Audited) April-19	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	39,168,315	39,224,496	(56,181)
Wastewater Revenues	21,838,449	22,565,877	(727,428)
Legislative Surcharge	1,951,800	2,056,705	(104,905)
Other Revenues	457,518	323,556	133,962
System Development Charge	379,261	441,706	(62,445)
Total Operating Revenues	63,795,343	64,612,340	(816,997)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	4,216,491	3,521,149	695,343
Power Purchases	9,018,194	8,517,869	500,325
Total Utility Costs	13,234,685	12,039,017	1,195,668
Salaries and Wages	11,864,383	11,594,886	269,496
Pension and Benefits	3,580,026	3,666,645	(86,619)
Total Salaries and Benefits	15,444,409	15,261,531	182,877
Capitalized Labor and Benefits	(1,733,795)	(2,158,333)	424,538
Net Salaries and Benefits	13,710,614	13,103,198	607,415
Administrative and General Expenses			
Sludge removal	879,174	872,241	6,933
Chemicals	1,228,851	1,121,638	107,214
Materials & Supplies	1,216,952	1,096,799	120,153
Transportation	308,932	359,438	(50,506)
Communications	74,897	84,447	(9,550)
Claims	32,273	41,426	(9,153)
Insurance	545,247	526,240	19,007
Training & Travel	114,500	99,928	14,572
Advertising	22,874	59,333	(36,460)
Miscellaneous	620,829	594,244	26,585
Regulatory Expense	200,172	110,349	89,823
Bad Debts Provision	1,259,131	1,278,515	(19,384)
Total Administrative and General Expense	6,503,833	6,244,598	259,235
Depreciation Expense	14,163,040	12,313,455	1,849,585
Contractual Expense			
Audit & Computer Maintenance	293,244	322,217	(28,972)
Building rental	254,006	246,475	7,531
Equipment rental	554,320	682,025	(127,705)
Legal	-	-	-
Laboratory	107,127	146,106	(38,979)
Other	1,225,105	1,534,499	(309,394)
Total Contractual Expense	2,433,803	2,931,322	(497,519)
Retiree Supp. Annuities and health care costs	1,482,693	1,658,356	(175,662)
Contribution to Government of Guam	352,335	350,000	2,335
Total Retiree Benefits	1,835,028	2,008,356	(173,327)
Total Operating Expenses	51,881,004	48,639,946	3,241,057
Earnings (Loss) from Operations	11,914,340	15,972,393	(4,058,054)
Interest Income - 2010/13/14/16/17 Series Bond	1,065,192	2,407,071	(1,341,879)
Interest Income - Other Funds	289,105	476,233	(187,128)
Interest Income - SDC	76,028	103,651	(27,623)
Interest Expense - 2010/13/14/16/17 Series Bond	(14,819,693)	(14,964,492)	144,799
Interest Expense - ST BOG	(38,188)	(128,883)	90,695
Loss on Asset Disposal	(118,143)	-	(118,143)
AFUDC	-	8,101,139	(8,101,139)
Amortization of Discount, Premium and Issuance Costs	839,788	837,962	1,826
Defeasance due to bond refunding	(482,829)	(486,738)	3,909
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(29,803)	(284,709)	254,906
Total non-operating revenues (expenses)	(13,218,542)	(3,938,765)	(9,279,777)
Net Income (Loss) before capital contributions	(1,304,202)	12,033,629	(13,337,831)
Capital Contributions			
Grants from US Government	29,141,225	9,464,888	19,676,336
Grants from GovGuam & Others	6,250	61,311	(55,061)
Total Capital Contributions	29,147,475	9,526,199	19,621,275
Change in Net Assets	27,843,273	21,559,828	6,283,444
Debt Service Calculation			
Earnings From Operations	11,914,340	15,972,393	
System Development Charge	(379,261)	(441,706)	
Retiree COLA	352,335	350,000	
Interest/Investment Income	289,105	476,233	
Depreciation	14,163,040	12,313,455	
Balance Available for Debt Service per Section 6.12	26,339,559	28,670,376	
Working Capital Reserve Available for Debt Service	-	6,689,668	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	26,339,559	35,360,044	
Debt Service			
Principal	5,115,833	3,333,750	
Interest	14,819,693	14,964,492	
Total	19,935,526	18,298,242	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.32	1.57	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.32	-	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	-	1.93	

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2020

SCHEDULE F

Description	Unaudited April 30, 2020	Audited September 30, 2019	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	4,450	4,450	-
BOG Deposit Accounts	3,425,193	4,955,587	(1,530,394)
BOG O & M Reserve	25,687,947	13,933,323	11,754,624
BOG CapEx Fund	12,027,684	17,244,823	(5,217,138)
Sub-total Unrestricted	41,147,274	36,140,182	5,007,092
RESTRICTED			
ANZ Bank	-	19	(19)
Bank Pacific	18,605	12,321	6,284
Bank of Hawaii	189,626	220,158	(30,532)
Community First FCU	4,672	2,530	2,142
First Hawaiian Bank	52,026	11,761	40,264
Bank Pacific Surcharge	519,753	302,837	216,917
Bank Pacific Escrow Deposit	842,101	836,528	5,573
BOG Customer Refunds	2,016,770	1,871,553	145,218
BOG Emergency Reserve Fund	6,241	6,237	4
BOG Sewer Hookup Revolving Fund	67,376	67,094	282
BOG Subordinate Security Fund	-	859,233	(859,233)
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	-	1,164,224	(1,164,224)
BOG Revenue Trust Fund	6,298,132	7,613,000	(1,314,868)
BOG Capital Improvement Revenue Fund	5,551,134	1,001,292	4,549,841
BOG Debt Service Reserve	-	11,563,736	(11,563,736)
	18,649,918	28,616,004	(9,966,086)
BOG - SDC Deposit	4,231,460	2,024,365	2,207,095
BOG - SDC CDs	5,000,000	7,250,000	(2,250,000)
Total SDC	9,231,460	9,274,365	(42,905)
Total Restricted	27,881,378	37,890,369	(10,008,991)
Reserve Funds			
BOG Series 2013 Construction Fund	10,015,054	14,170,759	(4,155,706)
BOG Series 2014 Refunding Construction Fund	219,087	217,448	1,638
BOG Series 2016 Construction Fund	72,273,560	89,235,554	(16,961,994)
BOG Series 2017 Refunding Construction Fund	6,242,286	6,313,750	(71,464)
Total Restricted - Held by Trustee	88,749,986	109,937,511	(21,187,525)
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	5,456,575	3,082,212	2,374,363
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	4,383,212	1,885,637	2,497,575
USB Series 2014 Refunding Debt Service Reserve Fund	7,738,381	7,798,212	(59,831)
USB Series 2016 Debt Service Fund	2,803,174	1,946,774	856,400
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	1,642,279	523,353	1,118,926
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	1,839,516	1,382,329	457,187
Total Investments	68,476,497	61,231,877	7,244,620
Total Restricted and Unrestricted Cash	226,255,136	245,199,940	(18,944,804)

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

SCHEDULE G

A G I N G																						
Customer Name	No. of Accounts		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days		Total													
Autonomous Agencies (Active)																						
Guam Int'l Airport Authority	8	\$	40,319	\$	10,127	\$	9,447	\$	9,305	\$	238,742	\$	307,940									
Guam Power Authority	25		160,184		15,697		2,627		6,067		-		184,575									
Guam Housing & Urban Renewal Authority	9		8,018		544		-		-		-		8,562									
Guam Memorial Hospital Authority	3		1,538		-		-		-		-		1,538									
Port Authority of Guam	5		1,495		-		-		-		-		1,495									
Guam Waterworks Authority	73		1,354		-		-		-		-		1,354									
Guam Housing Corporation	1		25		-		-		-		-		25									
Total Autonomous Agencies										124	\$	212,932	\$	26,368	\$	12,074	\$	15,372	\$	238,742	\$	505,487
												42.12%		5.22%		2.39%		3.04%		47.23%		100.00%
Department of Education	53	\$	262,688	\$	288,778	\$	198,984	\$	130,933	\$	-	\$	881,382									
Department of Parks & Recreation	16		27,878		37,904		30,730		5,114		7,876		109,501									
Department of Corrections	8		86,006		-		-		-		-		86,006									
Mayors Council of Guam	60		22,415		12,015		741		383		43,968		79,522									
Department of Public Works	11		17,718		17,182		2,461		264		7,184		44,808									
Department of Public Health & Social Services	8		15,002		13,376		926		88		-		29,392									
Department of Chamorro Affairs	7		7,065		8,206		-		-		-		15,271									
Guam Fire Department	11		6,265		4,582		1,605		-		-		12,452									
Department of Agriculture	6		6,479		2,595		-		-		-		9,074									
University of Guam	44		8,202		-		-		-		-		8,202									
Office of the Governor	2		2,100		2,605		2,178		-		-		6,883									
Guam Police Department	8		5,612		999		-		-		-		6,611									
Guam Community College	3		3,949		-		-		-		-		3,949									
Department of Youth Affairs	3		1,852		1,558		-		-		-		3,410									
Office of Technology	1		156		730		1,620		-		-		2,507									
Department of Military Affairs/Guamrg	1		2,497		-		-		-		-		2,497									
Office of Civil Defense	2		728		692		693		-		-		2,113									
Guam Solid Waste Authority	2		1,471		-		-		-		-		1,471									
Guam Public Library	6		566		691		-		-		-		1,258									
Department of Customs & Quarantine	1		455		408		389		-		-		1,251									
Guam Police Department	1		770		324		-		133		-		1,227									
Division of Senior Citizens, DPHS&S	2		193		433		273		77		-		977									
Guam Veterans Affairs Office	2		187		257		247		86		163		940									
Department of Agriculture-Fisheries	1		54		100		398		-		-		552									
Guam Enviromental Protection Agency	2		187		360		-		-		-		546									
Department of Mental Health	2		355		-		-		-		-		355									
Merizo Mayor	1		106		54		68		51		-		279									
The Office of the Dededo Mayor	1		80		194		-		-		-		274									
Department of Retirement Funds	1		250		-		-		-		-		250									
Department of Administration	1		236		-		-		-		-		236									
Guam Energy Office	1		54		-		-		-		-		54									
Vietnam Veterans of America	1		53		-		-		-		-		53									
Guam Association of Retired Persons	1		45		-		-		-		-		45									
Department of Mental Health and Substance Abuse	1		25		-		-		-		-		25									
Total Line Agencies										271	\$	481,698	\$	394,042	\$	241,315	\$	137,129	\$	59,191	\$	1,313,375
Total as of April 30, 2020 (Active)										395	\$	694,630	\$	420,410	\$	253,389	\$	152,500	\$	297,933	\$	1,818,862
												38.19%		23.11%		13.93%		8.38%		16.38%		100.00%
Total as of September 30, 2019										156	\$	573,245	\$	177,040	\$	36,359	\$	13,784	\$	390,725	\$	1,191,152
										153%		21%		137%		597%		1006%		-24%		53%

GUAM WATERWORKS AUTHORITY
Accounts Receivable Aging Summary by Rate Class
As of April 30, 2020

SCHEDULE H

Rate Class	A G I N G								
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
Government	446	\$ 2,291,156	\$ 421,789	\$ 253,433	\$ 152,500	\$ 919,405	\$ 4,038,282	18%	
Agriculture	387	45,875	10,002	4,572	3,302	68,069	131,820	1%	
Commercial I	2,696	1,327,045	129,303	44,363	39,722	373,633	1,914,066	8%	
Commercial II	25	162,552	12,750	1,763	1,351	253,033	431,450	2%	
Commercial III	303	609,237	119,534	145,730	14,948	250,916	1,140,365	5%	
Golf Course	16	14,873	200	-	-	-	15,073	0%	
Hotel	57	2,059,882	546,760	117,347	56,969	183,901	2,964,860	13%	
Irrigation	33	6,581	460	360	239	3,724	11,364	0%	
Residential	50,485	4,738,362	1,064,741	679,840	403,534	5,509,780	12,396,256	54%	
Total	54,448	11,255,563	2,305,541	1,247,406	672,565	7,562,462	23,043,537	100%	
		49%	10%	5%	3%	33%	100%		

Less Allowance for Doubtful Accounts: (9,049,169)
 Net Accounts Receivable: **13,994,369**

Days Receivables Outstanding 48

GUAM WATERWORKS AUTHORITY
Accounts Payable Aging
As of April 30, 2020

SCHEDULE I

AGING						
<u>Current</u>	<u>31 - 60 Days</u>	<u>61 - 90 Days</u>	<u>91 - 120 Days</u>	<u>> 120 Days</u>	<u>Total</u>	
\$ 3,154,911	\$ 147,955	\$ 107,551	\$ 41,512	\$ 322,231	\$	3,774,161
84%	4%	3%	1%	9%		100%

Days Payable Outstanding

38

Guam Waterworks Authority
System Development Charges Project Status
As of April 30, 2020

SCHEDULE J

Funding Summary

Total available project funds	\$ 12,757,948
Total project expenditures and encumbrances	10,217,522
Total unobligated project funds	<u><u>\$ 2,540,426</u></u>

Projects Funded

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

Future planned projects

	FY2020
Water Wells	540,000
Water Dist Sys Pipe Replacement & Upgrades	540,000
WWTP Priority 1 Upgrades	300,000
Umatac Merizo STP Replacement	300,000
Wastewater Sewer System Expansion	300,000
Total	<u><u>\$ 1,980,000</u></u>

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

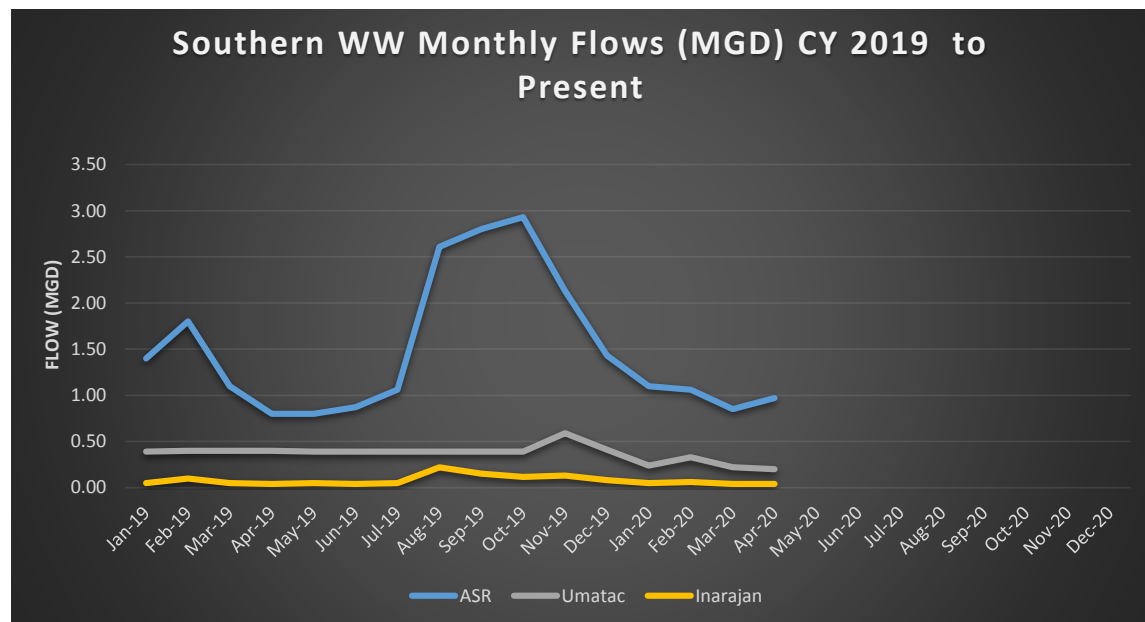
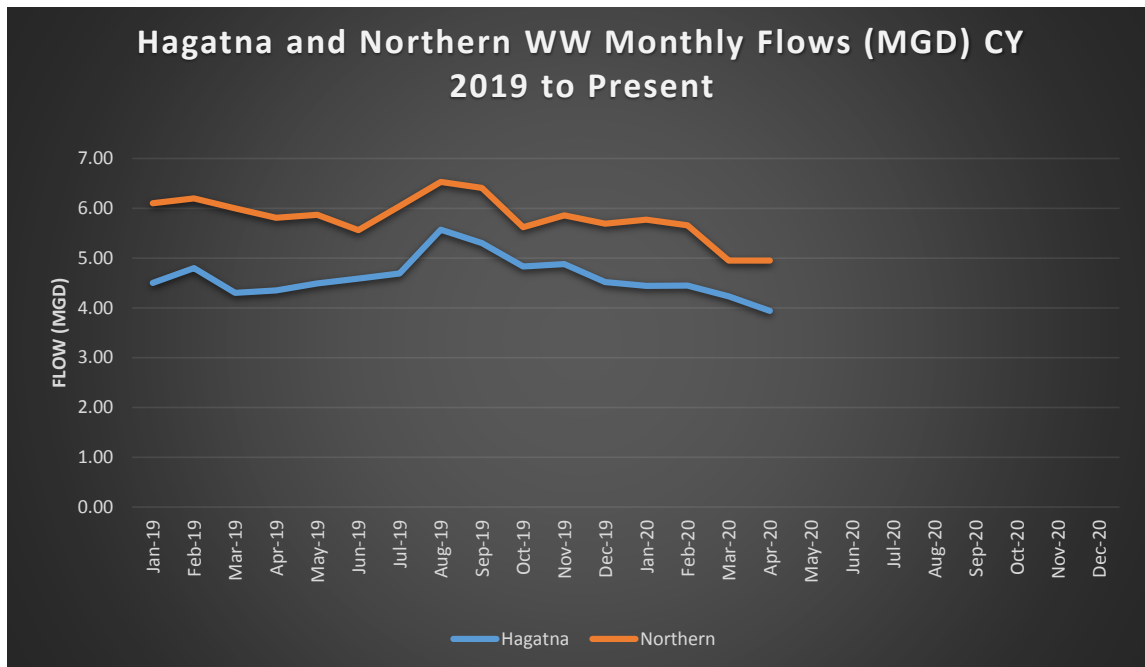
SCHEDULE K

CLASS	AUDITED						UNAUDITED			
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2017 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2018 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2019 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2020 (7 Mos Annualized) TOTAL CONSUMPTION (kGal)
R Residential	3,415,662	3,429,689	0%	3,206,811	-6%	3,313,613	3%	3,359,905	1%	3,506,417
C Commercial	1,020,089	1,022,890	0%	964,639	-6%	910,905	-6%	906,192	-1%	874,643
F Federal	1,168	1,180	1%	2,508	113%	1,813	-28%	1,602	-12%	1,332
G Government	515,974	475,366	-8%	448,430	-6%	450,165	0%	405,980	-10%	387,797
H Hotel	999,116	1,008,087	1%	1,004,525	0%	989,723	-1%	1,079,919	9%	913,873
G Golf	6,850	6,770	-1%	5,252	-22%	2,741	-48%	2,793	2%	6,837
A Agriculture	67,376	78,628	17%	69,482	-12%	81,127	17%	90,803	12%	82,246
I Irrigation	10,385	11,351	9%	10,143	-11%	8,504	-16%	7,896	-7%	7,761
GRAND TOTAL	6,036,620	6,033,960	0%	5,711,790	-5%	5,758,590	1%	5,855,091	2%	5,780,906

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

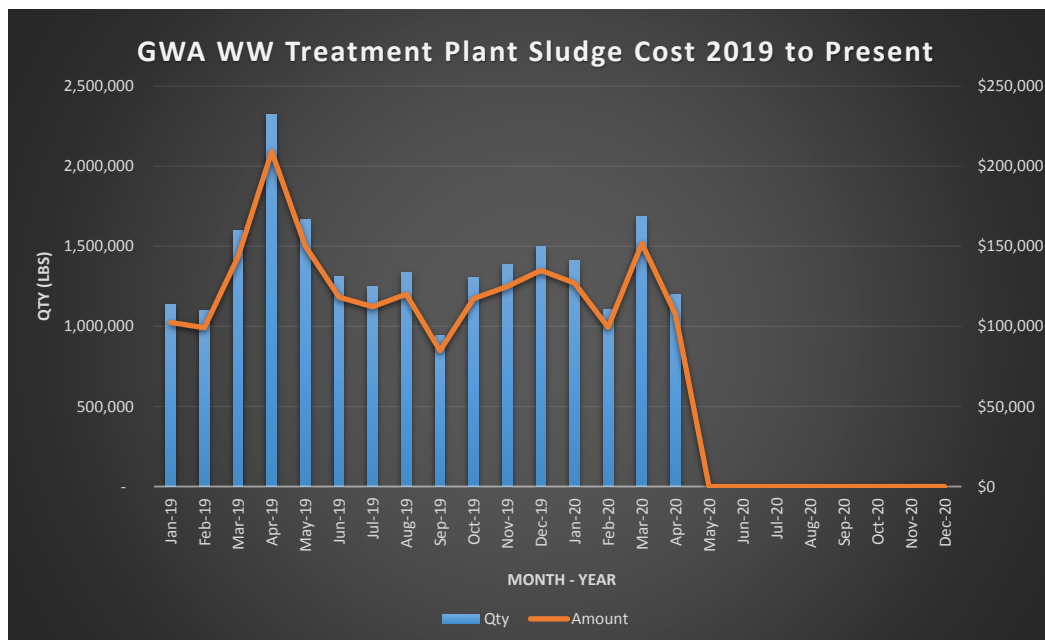
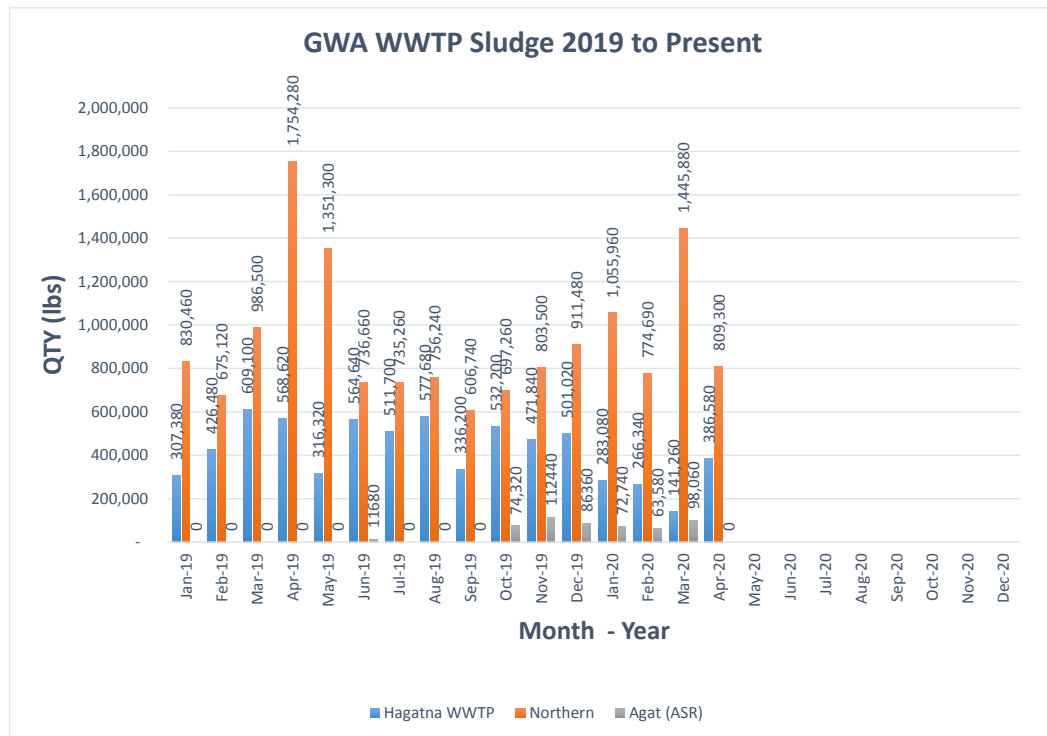
2020	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-20	4.44	5.77	1.10	0.24	0.05
Feb-20	4.45	5.66	1.06	0.33	0.06
Mar-20	4.23	4.95	0.85	0.22	0.04
Apr-20	3.94	4.95	0.97	0.20	0.04
May-20					
Jun-20					
Jul-20					
Aug-20					
Sep-20					
Oct-20					
Nov-20					
Dec-20					
2020 Average MGD	4.27	5.33	1.00	0.25	0.05
2020 Total MGY	1,557	1,946	363	90	17



GWA Work Session - May 19, 2020 - DIVISION REPORTS

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2019	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-19	307,380	\$27,664	830,460	\$74,741	0	\$0	1,137,840	\$102,406
Feb-19	426,480	\$38,383	675,120	\$60,761	0	\$0	1,101,600	\$99,144
Mar-19	609,100	\$54,819	986,500	\$88,785	0	\$0	1,595,600	\$143,604
Apr-19	568,620	\$51,176	1,754,280	\$157,885	0	\$0	2,322,900	\$209,061
May-19	316,320	\$28,469	1,351,300	\$121,617	0	\$0	1,667,620	\$150,086
Jun-19	564,640	\$50,818	736,660	\$66,299	11680	\$1,051	1,312,980	\$118,168
Jul-19	511,700	\$46,053	735,260	\$66,173	0	\$0	1,246,960	\$112,226
Aug-19	577,680	\$51,991	756,240	\$68,062	0	\$0	1,333,920	\$120,053
Sep-19	336,200	\$30,258	606,740	\$54,607	0	\$0	942,940	\$84,865
Oct-19	532,200	\$47,898	697,260	\$62,753	74,320	\$6,689	1,303,780	\$117,340
Nov-19	471,840	\$42,466	803,500	\$72,315	112440	\$10,120	1,387,780	\$124,900
Dec-19	501,020	\$45,092	911,480	\$82,033	86360	\$7,772	1,498,860	\$134,897
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		\$0		\$0		\$0	-	\$0
Jun-20		\$0		\$0		\$0	-	\$0
Jul-20		\$0		\$0		\$0	-	\$0
Aug-20		\$0		\$0		\$0	-	\$0
Sep-20		\$0		\$0		\$0	-	\$0
Oct-20		\$0		\$0		\$0	-	\$0
Nov-20		\$0		\$0		\$0	-	\$0
Dec-20		\$0		\$0		\$0	-	\$0
Grand Total	1,077,260	\$96,953	4,085,830	\$367,725	234,380	\$21,094	5,397,470	\$485,772



GWA Work Session - May 19, 2020 - DIVISION REPORTS

Guam Waterworks Authority

Date: 5/11/2020

Time:

REVIEWS

TOTAL PUMPS INSTALLED172

OVERALL AVERAGE


94%

TOTAL PUMPS OPERATIONAL158

% OF OPERATING PUMPS

92%

TOTAL PUMP STATIONS78



WASTEWATER FACILITIES REPORT

Northern District													
NO.	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO.	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO.	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	2	50%	GPA	A	P#3: Needs Impeller @ Station; P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs			
2	FLUJTA	1	4	3	75%	GPA	A	P#3: Awaiting Repair @ Station (Bearing hose);					
3	YPAO	1	2	2	100%	GPA	A	P#2 is for repairs @ JMI, utilizing Machano pump and volute on line 2.					
4	PASEO DE ORO	1	2	2	100%	GPA	A						
5	HARMON	2	2	2	100%	GPA	A	P#1 new pump installed 01-26-2020					
6	ROUTE 16	1	4	2	50%	GPA	M	P#4 secured, P#5 secured due to flapper in check valve loss.					
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	P#2 burnt, new pump installed 02-12-2020					
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A	P#1 new pump installed					
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	2	100%	GPA	A			contractor keeps tripping. Electrician verification needed.			
13	HABA ADAI	2	2	2	100%	GPA	A						
14	YPAOPAO	1	3	3	100%	GPA	N/A						
15	PACIFIC LATTE	2	2	2	100%	GPA	A	P#1 awaiting rewinding, new pump installed on 20-10-2020					
16	YIGO	1	3	3	100%	GPA	A			Pending electrical for P#2 (controller)			
17	ZERO DOWN	2	2	2	100%	GPA	A						
18	SANTA ANA	2	2	1	50%	GPA	A	P#2 burnt, in for rewinding					
19	MACHANACNAO	1	2	2	100%	GPA	N/A	P#1 and volute being utilized at Ypaao pump station, new pump installed					
20	FEMA 96	2	2	2	100%	GPA	A	Pumps 1&2 removed awaiting rewinding. Utilizing pumps from Haba Adai and Old Station 13 pump (BKJ BLUE)		Pending electrical for P#2 (volute)			
21	ASTUMBO 1	2	2	2	100%	GPA	A	P#1 removed awaiting repairs, new pump installed 01-04-2020 on line 2					
22	ASTUMBO 2	2	2	2	100%	GPA	A	New pump installed 01-16-2020					
Total			22	52	46	88%							

GWA Work Session - May 19, 2020 - DIVISION REPORTS

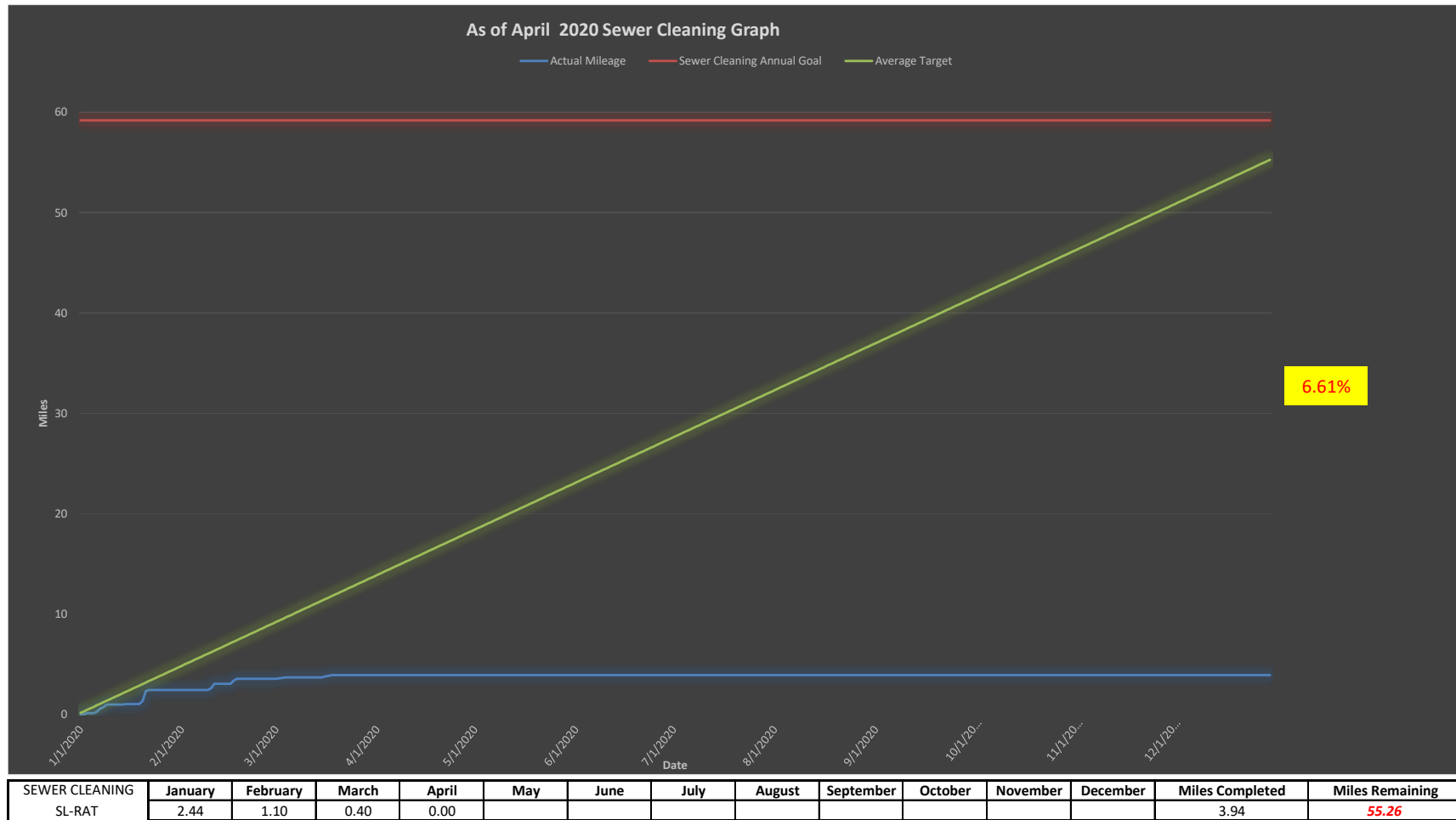
Central District													
NO.	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO.	VALVES, ELECTRICAL/STRUCTURAL REMARKS	WORK ORDER NO.	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	M	Pumps on standby needs to changed to float control	20-04-24512 4/30/20				
2	COMMERCIAL PORT	1	3	3	100%	OP	A						
3	PITI	1	2	2	100%	GPA	A						
4	ASAN	1	2	2	100%	GPA	A						
5	SINAJANA	2	2	2	100%	GPA	A	P2 on standby not shutting down on auto					
6	NEW CHAOT	1	3	3	100%	OP	A	P3 breaker replaced 4-10-2020					
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A	P2 standby not shutting down on auto	P2 20-03-00220 3/5/20				
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						
13	NAMU	2	1	1	100%	OP	A						
14	TAI MANGILAO	1	3	2	67%	GPA	A	pump 3 secured due to motor sensor reading moisture	p3 200-050385 5/8/20				
15	MANGILAO	1	2	2	100%	GPA	A			Sump pump burnt and the breaker is damaged 20-04-0901 4/20/20			
16	FIDIAN	2	2	2	100%	GPA	A						
17	LEYANG	2	2	2	100%	OP	A						
18	SAGAN BONITA 1	2	2	1	50%	OP	A	P1 removed by maintenance Burnt					
19	SAGAN BONITA 2	2	2	1	50%	OP	A	P1 removed by maintenance Burnt 4/30/20					
20	DABRY	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 awaiting rewinding, new pump installed.		Pump 2 breaker still secured tagged out.			
23	MONGMONG	2	2	2	100%	OP	A	p2 installed 4-27-20					
24	CASIMERU	2	2	1	50%	Portable	A	P01 awaiting rewinding at RCG		GPA RELOCATED GENERATOR			
25	MAITE	2	2	2	100%	GPA	A						
26	BAYSIDE	2	1	1	100%	INOP	A						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	3	100%	OP	A	pump 2 hourly meter not working	P2 20-03-00220 3/5/20				
29	Agua Main	1	4	3	75%	OP	A	Pump 2 is for repairs. Pump 4 on line 2.		Line 4 clogged riser. Awaiting cleaning. 20-04-0923 4/20/20			
Total	29		63	56	89%								

GWA Work Session - May 19, 2020 - DIVISION REPORTS

Southern District													
NO.	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO.	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO.	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	3	75%	Op	MAN	2-20-20 P-4 removed by maintenance crew and delivered to JAM for testing due to pump in single phasing. After testing pump @ JAM the windings was determined good. Victor Jankel and crew made an assessment and found that in order to determine where the short is located they would need access to the 4-line that is located 180' High. We will be working on getting scaffolding. On 4-18-20 Electricians (Element Labs) had made a site assessment and deemed getting scaffolding would be viable. Fred was sent to Work requesting to perform a "Job Safety Analysis". 4-18-20 Request was acknowledged by Wade via email and he will be scheduling personnel upon availability.	20-02-1287	UST REPAIRS REQUIRED TO LEAK DETECTION SYSTEM. QUOTATION RECEIVED FROM USBI \$11,507.13 FOR REPAIRS. CPE33889 (2-28-20)			
2	PUMP STATION #11	1	2	2	100%	INOP	AUTO						
3	PUMP STATION #12	2	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	2	100%	OP	AUTO						
5	PUMP STATION #15	2	2	2	100%	OP	Auto			Generator Secured By GPA 4/18/20 due to Oil Leak.			
6	PUMP STATION #16	2	2	2	100%	OP	AUTO						Generator Radiator Leaking Coolant. GPA Was Informed.
7	PUMP STATION #17	2	2	2	100%	OP	AUTO						
8	PUMP STATION #18	2	2	2	100%	OP	AUTO						
9	INARAJAN MAN	1	2	2	100%	OP	AUTO						
10	INARAJAN LFT	1	2	2	100%	OP	AUTO						
11	TALAFOFO	1	2	2	100%	OP	AUTO	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 Agut treatment plant wet well and install it at Talafoto.		11-5-19 \$16,140.00 New M.W. ventilation repair quotation was sent to Mary. All ventilation ducts needs to be fabricated and installed.	
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALIGAN	2	2	2	100%	Op	MAN/INOP			Requesting for electricians to make assessments to ventilation system to make it operational.)	(Yens- 19-12-0396)	12-23-19 Fred is working on getting a lift to be able to go to the roof top to make assessments on the motor.	
14	EJECTOR #2	2	2	2	100%	PORTABLE/INOP	NA						
15	EJECTOR #3	2	2	2	100%	PORTABLE/INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE/INOP	NA						
17	EJECTOR #5	2	2	2	100%	PORTABLE/INOP	NA						
18	EJECTOR #6	2	2	2	100%	PORTABLE/INOP	NA						
19	EJECTOR #7	2	2	2	100%	PORTABLE/INOP	NA						
20	NORTH REYES	2	2	2	100%	PORTABLE/INOP	NA						
21	LEYON #3 (DanDan)	2	2	2	100%	OP	Man						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	3	100%	OP	AUTO						
25	Windward Hills	1	3	3	100%	OP	AUTO						
26	Aplacho	1	3	3	100%	OP	AUTO						
26			56	55	98%								

GWA Work Session - May 19, 2020 - DIVISION REPORTS

Pump availability =no of operational pumps/no of pumps*100%													
NO.	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO.	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO.	ESTIMATED REPAIR DATE	UPDATES
1	Asian By-pass	1	1	1	100%			Pump from Sinajana					
Total	1		1	1	100%								



5 miles a month required, 59.2 miles a year to complete for 2019 (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

Guam Waterworks Authority		Date: 4-31-20	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	56	OVERALL AVERAGE	99%
TOTAL PUMPS OPERATIONAL	55	% OF OPERATING PUMPS	98%
TOTAL BOOSTER PUMP STATIONS	27		

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

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

Southern District													
NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Malojloj Line	125 / 50	3	3	100%	OP	A						
2	Geus	25	2	2	100%	OP	A						
3	Pigua	7.5	2	2	100%	N/A							
4	Loquan	25	2	2	100%	OP	A						
5	WBP-2	25	2	2	100%	OP	A						
6	WBP-1	5	2	2	100%	OP	A						
7	Malojloj Elevated	15	2	2	100%	OP	A						
Total=7			15	15	100%								
pump availability =no of operational pumps/no of pumps*100%													



Guam Waterworks Authority
VEHICLE FLEET STATUS
5/13/2020

EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage
Backhoe (Leased)	3	3	0	100%
Dump Truck (Leased)	3	3	0	100%
Trailer (Leased)	3	3	0	100%
Backhoe	3	2	1	67%
Boom Truck	2	0	2	0%
Crane	1	1	0	100%
Dump Truck	1	1	0	100%
Forklift	6	6	0	100%
Fuel Tanker	1	1	0	100%
Heavy Duty	8	7	1	88%
Hoist Rig	1	0	1	0%
Jetter	1	1	0	100%
Light	154	126	28	82%
Mini Backhoe	2	2	0	100%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	3	2	60%
Tractor	2	1	1	50%
Tractor Mower	1	1	0	100%
Trailer	15	13	2	87%
Trencher	1	0	1	0%
Vacuum Truck	5	3	2	60%
Water Buffalo	2	2	0	100%
Water Tanker	5	5	0	100%
Compressor	1	1	0	100%
Total	252	176	43	

SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
2	1	0	0	0	0	0
3	0	0	0	0	0	0
2	0	0	0	0	1	0
0	0	0	0	0	1	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
6	0	0	0	0	0	0
1	0	0	0	0	0	0
7	0	0	0	0	0	1
0	0	0	0	0	1	0
1	0	0	0	0	0	0
121	5	1	3	5	3	16
2	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	1	0	0
3	0	0	0	2	0	0
1	0	0	0	0	1	0
1	0	0	0	0	0	0
13	0	0	0	2	0	0
0	0	0	1	0	0	0
3	0	0	0	1	1	0
2	0	0	0	0	0	0
5	0	0	0	0	0	0
1	0	0	0	0	0	0
176	6	1	4	12	8	18