

CONSOLIDATED COMMISSION ON UTILITIES

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

GUAM WATERWORKS AUTHORITY WORK SESSION

CCU Conference Room 4:30 p.m., Tuesday, November 17, 2020

AGENDA

1. CALL TO ORDER

2. ISSUES FOR DECISION

- 2.1 Relative to Contract Approval for the Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase II Project S15-002-EPA / Resolution No. 03-FY2021
- 2.2 Relative to Approval of a Change Order for a Construction Management Contract for Phase II of the Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement Project S1-2-002-EPA / Resolution No. 04-FY2021
- 2.3 Relative to the Approval of the Creation of the Assistant General Manager of Engineering (Unclassified)
 Job Classification Standard / Resolution No. 05-FY2021

3. GM REPORT

- 3.1 GM Summary
- 4. ISSUES FOR DISCUSSION
- 5. OTHER DISCUSSION
 - 5.1 CCU Rules Update

6. DIVISION REPORTS

- 6.1 Communications
- 6.2 Compliance & Safety
- 6.3 Customer Service
- 6.4 Engineering
- 6.5 Finance
- 6.6 **Operations**

7. ANNOUNCEMENTS

- 7.1 Next CCU Meetings: GPA Work Session: November 19; CCU Regular Monthly Mtg.: November 24
- 8. ADJOURNMENT



"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. 03-FY2021

Relative to Contract Approval for the Asan-Adelup-Hagatna, Route 1 – Sewer Rehabilitation and Replacement Phase II Project S-15-002-EPA Construction Contract with Core Tech-Hawaiian Dredging, LLC.

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

The objective of this project is to improve the sewer collection system, which includes rehabilitating, repairing and/or replacing sewer manholes and gravity sewer lines along Route 1 from Adelup to Hagatna. These sewer infrastructure elements have been identified by GWA, through a Sanitary Sewer Evaluation Survey. Successful completion of this project will result in proper maintenance and operation of the sewer collection system and USEPA agrees that efforts to rehabilitate, repair or replace the sewer lines are necessary.

Where is the project located?

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

How much will it cost?

The project was bid with multiple bid items and GWA has elected to award the project for the Base Bid and all Additive Bid items, 1 through 6, at a total construction cost of Eight Million Seven Hundred Forty-Two Thousand Four Hundred Eight Dollars and Sixty-Two Cents (\$8,742,408.62). This contract amount, which is primarily based on unit pricing, includes the furnishing of all labor, tools, equipment and materials, and agency coordination needed to complete the sewer infrastructure replacement in the aforementioned locations.

GWA management is also seeking a ten percent (10%) contingency of Eight Hundred Seventy-Four Thousand Two Hundred Forty Dollars and Eighty-Six Cents (\$847,240.86), to bring the total authorized funding amount to Nine Million Six Hundred Sixteen Thousand Six Hundred Forty-Nine Dollars and Forty-Eight Cents (\$9,616,649.48) for the project.

When will it be completed?

The construction contract length of this project is 785 calendar days. Estimated completion of construction is the end of 2022.

What is the funding source?

The funding for this project will be from USEPA SRF Grant Funds and, if necessary, GWA Bond Funds with a maximum project budget of Nine Million Six Hundred Sixteen Thousand Six Hundred Forty-Nine Dollars and Forty-Eight Cents (\$9,616,649.48).

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

RESOLUTION NO. 03-FY2021

RELATIVE TO CONTRACT APPROVAL FOR THE ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT PHASE II PROJECT \$15-002-EPA

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

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

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

WHEREAS, the stretch of gravity sewer line indicated is deteriorating, which included approximately 1,700 linear feet of gravity sewer line along Route 1 in Adelup, and over 6,900 linear feet in Hagatna, and the intent of this project is to rehabilitate, repair or replace the identified piping from Adelup to Hagatna; and

WHEREAS, GWA and USEPA agree that efforts to rehabilitate, repair or replace these sewer lines are necessary to properly maintain and operate the sewer collection system, and the first effort needed to do so was through the general civil engineering, geotechnical engineering, and archeological investigation for wastewater collection system evaluation, analysis and design; and

WHEREAS, in June 2015 GWA Management began the procurement process to find a consulting engineering team to design the sewer rehabilitation and replacement, and via Resolution No. 02-FY2016, approved by the CCU in October 2015, GWA Management was authorized to enter into a contract with HDR Engineering, Inc. (HDR) to design the sewer rehabilitation and replacement; and

WHEREAS, in December of 2015 GWA Management entered into a contract with HDR to design the sewer rehabilitation and replacement, and in April of 2017 the final design for Phase I was completed; and

WHEREAS, due to funding limitations, the full scope of work for construction of the Rt.1 Sewer Rehabilitation and Replacement Project was divided into phases such that Phase 1 construction was awarded to InfraTech International LLC, from Asan to the Asan Pump Station, through Invitation for Re-Bid No. IFB-11-ENG-2017 (GWA Project No. S15-002-EPA) and a contract was issued to InfraTech International LLC on November 8, 2018; and

WHEREAS, on March 24, 2020, GWA awarded Change Order No. 7 to increase the funding for the HDR design contract to an amount of One Million Nine Hundred Ninety-Four Thousand Five Hundred Fifty-Five Dollars (\$1,994,555.00) to prepare construction bid documents for the Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase II; and

WHEREAS, on June 16, 2020, GWA advertised the Invitation to Bid (IFB-06-ENG-2020) for the Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase II soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes from Adelup to Hagatna; and

WHEREAS, IFB packages were obtained by eleven (11) interested parties, from which GWA received bid proposals from four (4) parties (SEE EXHIBIT A – Abstract of Bids) before the bid proposal deadline; and

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WHEREAS, GWA Engineering, the Project Manager and the Engineer evaluated the proposals received on September 3, 2020 and determined that the lowest apparent bidder for the Base Bid and all Additive Bids failed to meet the bid requirements established in the IFB packages; and,

WHEREAS, GWA rejected the lowest apparent bidder pursuant to 2 GAR §3115(e)(3) and 2 GAR §3116(b)(5) due to inadequate qualifications needed to perform this work on September 10, 2020 (SEE EXHIBIT B – ProPacific Builder Corporation Rejection Letter); and

WHEREAS, GWA Engineering, the Project Manager and the Engineer determined that HDCC Guam, LLC was the second lowest bidder and that their bid was responsive and responsible and met all the bid requirements set forth by GWA (See EXHIBIT C – Recommendation Letter from HDR dated October 19, 2020); and

WHEREAS, GWA Engineering, the Project Manager and the Engineer reviewed the HDCC Guam, LLC Additive Bids and determined that the Base Bid and all Additive Bids 1 through 6 provided the best combination of bid options and is within the available grant funding; and

WHEREAS, GWA Management finds HDCC Guam, LLC's bid proposal for The Base Bid and Additive Bids 1 through 6 acceptable; and

WHEREAS, GWA Management seeks CCU approval of HDCC Guam, LLC's bid proposal for the Base Bid and Additive bids 1 through 6 in the amount of Eight Million Seven Hundred Forty-Two Thousand Four Hundred Eight Dollars and Sixty-Two Cents (\$8,742,408.62), plus a ten percent (10%) contingency of Eight Hundred Seventy-Four Thousand Two Hundred Forty Dollars and Eighty-Six Cents (\$847,240.86), to bring the total authorized funding amount to Nine Million Six Hundred Sixteen Thousand Six Hundred Forty-Nine Dollars and Forty-Eight Cents (\$9,616,649.48); and

WHEREAS, funding for this project will be from the USEPA State Revolving Funds and, if necessary, GWA Bond funds with an estimated project budget of Eight Million Seven

1	Hundred Forty-Two Thousand Four Hundred Eight Dollars and Sixty-Two Cents
2	(\$8,742,408.62); and
3	NOW BE IT THEREFORE RESOLVED; the Consolidated Commission on Utilities
5	does hereby approve the following:
6	The recitals set forth above hereby constitute the findings of the CCU.
7	2. The CCU finds that the terms of the bid proposal submitted by HDCC Guam
8	LLC are fair and reasonable.
9	3. The CCU hereby authorizes the management of GWA to accept the bid proposal
LO	from HDCC Guam, LLC for the Base Bid and all Additive Bids 1 through 6.
11	4. The CCU hereby further authorizes the management of GWA to enter into a
L2	contract with HDCC Guam, LLC in the amount of Eight Million Seven Hundred
L3	Forty-Two Thousand Four Hundred Eight Dollars and Sixty-Two Cents
14	(\$8,742,408.62).
15	5. The CCU hereby further approves the funding total of Eight Million Sever
16	Hundred Forty-Two Thousand Four Hundred Eight Dollars and Sixty-Two Cents
17	(\$8,742,408.62), plus a ten percent (10%) contingency of Eight Hundred Seventy
18	Four Thousand Two Hundred Forty Dollars and Eighty-Six Cents (\$847,240.86)
19	to bring the total authorized funding amount to Nine Million Six Hundred Sixteer
20	Thousand Six Hundred Forty-Nine Dollars and Forty-Eight Cents
21	(\$9,616,649.48).
22	6. The CCU hereby approves the use of USEPA State Revolving Funds and, in
23	necessary, GWA Bond funds as the funding source.
24	RESOLVED , that the Chairman certified and the Board Secretary attests to the adoption
25	of this Resolution.
26	of this resolution.
27	DULY AND REGULARLY ADOPTED , this 24 th day of November, 2020.
28	Certified by: Attested by:
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31	JOSEPH T. DUENAS MICHAEL T. LIMTIACO
32	Chairperson Secretary
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1	SECRETARY'S CERTIFICATE
3	I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:
4 5 6 7	The foregoing is a full, true and accurate copy of the resolution duly adopted at a regula 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:
8	AYES:
10	NAYS:
11	ABSENT:
13	ABSTAIN:
14 15	<i> </i>
16	
17 18	///
19	
20 21	
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2425	
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GUAM WATERWORKS AUTHORITY

roject Name: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT -PHASE II

Project Number: S15-002-EPA IFB NO.: IFB-06-ENG-2020

Virtual Bid Opening Date: September 3, 2020

Time: 3:00 PM

ABSTRACT OF BIDS

			70		CER	TIFIC	ATIOI	NS			AE	DDE	NDU	м				BID AN	MOUNT			
	BIDDERS NAME	Section A-5 Bid Bond	Bidder Qualification Statement	Non-Collusion Affidavit	Equal Employment Opportunity	Non-Segregated Facilities	Non-Employment of Sexual Offender	Wage & Benefit Determination	Shareholders	Special Instruction to Bidders	1	2 3	3 4	5	BASE BID	ADDITIVE BID NO. 1	ADDITIVE BID NO. 2	ADDITIVE BID NO. 3	ADDITIVE BID NO. 4	ADDITIVE BID NO. 5	ADDITIVE BID NO. 6	GRAND TOTAL (Base Bid + Additive Bid 1-6)
1.	INFRATECH INTERNATIONAL LLC	Safe Co. Insurana Co. of Am. 151. of accomaning Bid		/	/	/	/	/	/	/	V	/	//	1	\$ 6,534,440,2 <u>9</u>	\$1,568.18;¢	\$1,562,730,1	5 1,537,374.9	64 991,277.70	\$ 855,580,20	\$ 678,130.63	\$ 13,764,258.
2.	PROPACIFIC BUILDER CORP.	Aioi Nissay Dova Ins. Q. Ltd. 15/1. of total Bid Amount		V	/	√	√	/	/	/	/	√ \	/ /	M	44,699,227. <u>°</u> 2	\$1,081,093°	P #935,832.00	\$ 945,244.0 <u>0</u>	\$396,910.NQ	# 540,410.0 <u>0</u>	\$278,924.0	. # 8,884.44C,0
3.	HDCC GUAM LLC	Zurich American Fis. Co. 15% of BID AMOUNT	/	V	/	J	/	$\sqrt{}$		V	V	1	/ v	V	\$ 5, 287.826.	\$7 63,430.09	\$ 693,530,00	# 589,809. ⁰⁰	\$397,961 <u>0</u>	\$511,391.0º	\$492,481.50	¥8,742.408.ºº
4.	INSITUFORM TECHNOLOGIES LLC	NO BID											I									
5.	SUMITOMO MITSUI CONSTRUCTION	NO BID												П								
6.	MOCON CORPORATION	cashiers check 15% of BID	J	✓	/	√	J	✓	V	V	V	٧ı	1	1	\$5,920,0750	\$690, 66 75	\$ 542,162.0	\$ 668, 119.00	# 924,295 @	\$677,000 .00	# <u>2</u> 51,230. ¹⁰	# 8,973,545.45
7.	MICHAELS CORPORATION	NO BID																			i i	1
8.	IAN CORPORATION	NO BID									П											
9.	GIANT CONSTRUCTION CORPORATION	NU BID																				
10.	PACIFIC RIM CONSTRUCTION INC.	NO BID																				
11.	GAB / HES	NO BID																				
																т —			_		r	
	GWA Engineer's Estimate										1				\$ 4,301,383.00	\$ 978,894.00	\$ 910,497.00	\$ 889,817.00	\$ 368,464.00	\$ 505,605.00	\$ 384,601.00	\$ 8,339,261.00

ids Opened and Read by: TWO THINGS SLORIA C. BENSAN Name and Signature)	Tabulated by LEILANKUNCHANGCO (Name and Signature)	GWA Procurement Representative: ROLAND LUMPNOSLID (Name and Signature)	Witnesses: Diran, John A	





Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913 P.O. Box 3010, Hagatna, Guam 96932 Tel. No. (671) 300-6846

September 28, 2020

Jean Yeon Yu, President
ProPacific Builder Corporation
750 Route 8
Suite 202, Hanam Plaza
Barrigada, GU 96913

Project: IFB-06-ENG-2020

Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement – Phase II

GWA Project No. S13-002-EPA – Bid Rejection

Hafa Adai Ms. Yu,

Thank you for submitting your bid of the subject project on September 3, 2020 and for the additional information provided to GWA in ProPacific Builder Corporation's (PPBC) letters to GWA dated September 17, 2020 and September 21, 2020. GWA regrets to inform you that we must reject PPBC's bid pursuant to 2 GAR §3115(e)(3) and 2 GAR §3116(b)(5). Based on the information provided in the bid and supplemental letters, PPBC and your proposed subcontractors do not have the cured in-place pipe (CIPP) lining experience required by the bid documents. For this reason, we consider PPBC a non-responsive and un-qualified bidder. Therefore, we are hereby returning your bid security (i.e., Bid Bond).

As stated in the Project Specifications that were included in the bid package, specifically Section 00200, Instructions to Bidders, Article 12.03 and Article 19.03, the contractor was required to submit to GWA for evidence of the Contractors experience qualifications for the specialty CIPP work in accordance with Section 30 01 30.72 or 33 01 30.73, Section 1.5, Items A and B. Based upon the information provided in the two referenced letters from PPBC to GWA, GWA has determined that the qualifications criteria established in the bid documents have not been met by PPBC and your proposed subcontractor for the following:

 Specification 33 01 30.72 or 33 01 30.73, Section 1.5, Item B, successful installation of a cumulative total of 100,000 linear feet and/or 300 line segments of CIPP liner into sewer main host pipes of 18-inch or larger diameter.

GWA appreciates your interest and encourages your company to continue to participate in future GWA procurements.

Should you have any questions, please do not hesitate to contact our legal counsel Kelly Clark at 300-6853.

Sincerely,

MIGUEL C. BORDA<mark>/</mark>LO, P.E

General Manger

Cc: Kelly Clark, GWA Legal Counsel
Barbara Cruz, P.E., GWA Chief Engineer, Acting

Kurt Bilz, Brown and Caldwell

EXHIBIT C



October 19, 2020

Mrs. Barbara Cruz, P.E.
Acting Chief Engineer
The Guam Waterworks Authority
Engineering Division
Gloria B. Nelson Public Service Building
688 Rt. 15
Mangilao, Guam 96913

SUBJECT: Asan-Adelup-Hagatna, Route 1 Sewer Line Rehabilitation and Replacement – Phase II, Recommendation of Bid Award, GWA Project No. S15-002-EPA

Dear Mrs. Cruz.

HDR has reviewed the four (4) bid submissions submitted for the Phase II bid for the Asan-Adelup-Hagatna Sewer Line Rehabilitation and Replacement project from the following construction contractors:

- 1. Core-Tech-Hawaiian Dredging, LLC
- 2. Infratech International, LLC
- 3. Mocon
- 4. ProPacific Builder Corporation

All bid submissions included all of the required bidding forms to be submitted as part of the bid package. All bonding requirements have been met by all contractors.

The bid schedules for all contractors were tabulated, reviewed and are included herein with this letter for your review. The following observations were made while tabulating each Contractor's bid:

Core-Tech-Hawaiian Dredging, LLC:

1. The bid form supplied by Core-Tech-Hawaii Dredging, has several mathematical calculation errors in the base bid and all additive bids. Per the Instructions to Bidders, Article 14.01, Item C, the sum total for a unit price bid item shall favor the unit prices provided. In the included bid tabulation provided with this letter, the unit prices were held and multiplied against the quantities that were provided in the bid schedule and the new totals were calculated. These values have been highlighted in yellow in the included bid tabulation for easy reference and below is a summary table of the results of the submitted bid vs. the revised calculated bid amounts:

hdrinc.com

134 W. Soledad Ave., Suite 404, Hagatna, GU 96910 T 671.989.5558 F 671.989.5557

Amount Amount Base Bid \$5,287,826.00 \$5,287,828.67 \$2.67 Additive Bid #1 \$763,430.00 \$763,427.66 -\$2.34													
Bid Type			Difference										
Base Bid	\$5,287,826.00	\$5,287,828.67	\$2.67										
Additive Bid #1	\$763,430.00	\$763,427.66	-\$2.34										
Additive Bid #2	\$693,530.00	\$693,525.04	-\$4.96										
Additive Bid #3	\$589,809.00	\$589,818.25	\$9.25										
Additive Bid #4	\$397,961.00	\$397,956.70	-\$4.30										
Additive Bid #5	\$511,371.00	\$511,370.58	-\$0.42										
Additive Bid #6	\$498,481.00	\$498,481.72	\$0.72										
Grand Total of Base + All Additive Bids	\$8,742,408.00	\$8,742,408.62	\$0.62										

- 2. The supplied project experience that was submitted by the Contractor and more specifically their sub-contractor, Michels Corporation, was insufficient to verify the qualifications against Specification 33 01 30.72 or 33 01 30.73, Section 1.5, Items A and B. In a letter, dated October 6, 2020 from GWA, these deficiencies were stated in more detail and the request for additional information was returned by Core Tech Hawaiian Dredging on October 13, 2020. This additional information was found to be adequate and has met all of the requested additional information. In summary, here are the finding of this additional requested information:
 - a. Contractor qualifications for Michels Corporation as required by Specification 33 01 30.72 or Specification 33 01 30.73, Section 1.5, Item A. A total of 206,575 linear feet of 18 inches or greater of sewer line was submitted, however only the following projects submitted have been able to be confirmed, but still meet the minimum requirements of the specifications:

	Summary of F	Projects Verified	
Project Name	Total LF Listed	Total LF Confirmed	Notes
Notice No. 128-1-2014 Sanitary Sewer Mains Lining & Repair	2,852	2.852	Confirmed, but did not provide further details
Notice No. 145-1-2015 Sanitary & Storm Sewer Main Lining	4,012	4,012	Confirmed, but did not provide further details
Lining of Sanitary Transmission Main	7,339	7,339	-
Notice 18-1-2016 Combined Sewer Main Lining	5,348	5,348	Confirmed, but did not provide further details
Cured-in-Place Pipe Rehabilitation 2016, Project No. 101-016	3,800	3,743	Nathan was the staff engineer/inspector for the project. He confirmed 3,743 LF for the project

S	ummary of Proj	ects Verified Cont'd	
Project Name	Total LF Listed	Total LF Confirmed	Notes
Bloomington Interceptor Rehabilitation Project, #808060	6,100	9,200	Confirmed additional 2,000 LF of 27" and 1,100 LF of 42"
Notice No. 5-1-2017 Combined Sewer Main Relay & Combined Sewer Lining	3,373	3,373	Confirmed, but didn't provide details.
C2017-22 Sanitary and Storm Sewer Lining	3,170	3,700	Confirmed and additional 480 LF of 24" and 50 LF of 30"
Scanlon Interceptor Fiberglass Pipe Rehabilitation Project	4,767	4,767	Confirmed with satisfactory work.
SPIS 8566-370 and 7705 Rehabilitation, Contract No. 17P355	7,362	7,362	Confirmed
Belcher Brook Interceptor Sewer Rehabilitation (Contract 2018-11)	8,775	8,755	-
Project CIP 3001 19, Sanitary and Storm Sewer CIPP Lining	3,401	3,401	-
GWA Interceptor Sewer Refurbishment Project, Northern District, Project No. 518-003-0EA	44,356	44,356	-
Total CIPP	104,655	108,228	-

- b. Contractor personnel qualifications for Michels Corporation, as required by Specification 33 01 30.72 or Specification 33 01 30.73, Section 1.5, Item B were found to have met the requirements. The submitted resumes for Jason Gubin, Clayton Muenchmeyer and Aljhon Aler have found to be acceptable and meet all the requirements of the specifications and should be the minimum personnel conducting the work for the subject project.
- The base bid provided is much higher than the engineer's estimate, however the additive bid items bid amounts were found to be within reason of the engineer's estimate and in most cases were found to be lower.

Infratech International, LLC:

 The bid form supplied by Infratech International, has several mathematical calculation errors in the base bid and all additive bids. Per the Instructions to Bidders, Article 14.01, Item C, the sum total for a unit price bid item shall favor the unit prices provided. In the included bid tabulation provided with this letter, the unit prices were held and multiplied against the quantities that were provided in the bid schedule and the new totals were calculated. These values have been highlighted in yellow in the included bid tabulation for easy reference and below is a summary table of the results of the submitted bid vs. the revised calculated bid amounts:

Summary of Revised Calculated Bid Amounts Bid Type Submitted Bid Amount Calculated Bid Difference Amount Amount Base Bid \$6,534,440.24 \$6,534,440.41 \$0.17 Additive Bid #1 \$1,568,718.60 \$1,568,718.60 \$0.00 Additive Bid #2 \$1,562,730.85 \$1,565,730.85 \$3,000.00													
Bid Type	Submitted Bid	Calculated Bid	Difference										
	Amount	Amount											
Base Bid	\$6,534,440.24	\$6,534,440.41	\$0.17										
Additive Bid #1	\$1,568,718.60	\$1,568,718.60	\$0.00										
Additive Bid #2	\$1,562,730.85	\$1,565,730.85	\$3,000.00										
Additive Bid #3	\$1,537,379.86	\$1,537,379.86	\$0.00										
Additive Bid #4	\$991,277.70	\$991,277.70	\$0.00										
Additive Bid #5	\$855,580.20	\$855,580.20	\$0.00										
Additive Bid #6	\$678,130.63	\$678,130.63	\$0.00										
Grand Total of Base	\$13,764,258.08	\$13,767,258.25	\$3,000.17										
+ All Additive Bids													

- 2. Overall, the bid prices submitted by Infratech International, LLC are higher than all other bidders for this project and all additive bids are approximately 2-3 times higher than all other bidders.
- Because Infratech International, LLC was not the lowest bidder or next to lowest bidder, an
 exhaustive verification of contractor qualification or personnel experience, as related to the
 specification requirements, was not conducted.

Mocon:

- 1. The supplied bid forms contained no errors that can be found. All bid prices tabulated match the supplied bid forms. All other bid documents that were required of the bid submission were provided also.
- The base bid provided is much higher than the engineer's estimate, however the additive bid items bid amounts were found to be within reason to the provided engineer's estimate or in most cases found to lower.
- Because Mocon was not the lowest bidder or next to lowest bidder, an exhaustive verification of contractor qualification or personnel experience, as related to the specification requirements, was not conducted.

ProPacific Builder Corporation:

- The supplied bid forms contained no errors that can be found. All bid prices tabulated match the supplied bid forms.
- 2. ProPacific Builder Corporation submitted the lowest bid, therefore additional confirmation that the contractor met the requirements of the specifications was conducted. It was determined that the bid submitted did not contain all of the information needed, therefore GWA sent a letter dated September 10, 2020 requesting for additional information. This additional information was received in a letter dated September 17, 2020 and the findings of this information was deficient in either verifying the information against the requirements of the specifications or was deficient in meeting the requirements of the specifications. A subsequent letter from GWA for additional

information, dated September 17, 2020, was provided to ProPacific for specific information and a response was provided on September 21, 2020 to this request. After reviewing the information that was submitted, summarized below are the findings of that information:

- a. The September 17, 2020 response letter confirmed that Tunnel Vision Pipeline Services would be executing 100% of the CIPP work on the subject project. The documentation provided in the September 21, 2020 letter to verify Tunnel Vision Pipeline Services meets the requirements of Specification 33 01 30.72 or 33 01 30.73, Section 1.5, Item A, shows the project qualification experience was not for Tunnel Vision Pipeline Services, but was for a company named Abel Recon Alpha Liner. Although for a separate company, the total linear footage of projects listed that showed CIPP installed on sewer lines 18 inches and larger only totaled 8,076 linear feet from the listed projects. This total falls below the required 100,000 linear feet of the specification requirements. No total pipe segments were given and no further validation of these linear footages were provided.
- b. Contractor personnel qualifications for ProPacific as required by Specification 33 01 30.72 or Specification 33 01 30.73, Section 1.5, Item B was found to be deficient. The personnel shown to be associated with Tunnel Vision Pipeline Services did not contain any staff that met the minimum requirements for the CIPP supervisor. In response to GWA letters, ProPacific provided a resume for a Mr. Mike Mills, which states that he is the Operations Manager for IPR Great Lakes and not employed with Tunnel Vision Pipeline Services and the resume did not list any projects that show that Mr. Mills meets the minimum requirements of the specifications. In review of all of the documentation provided by ProPacific and Mr. Mills resume, the only connection that could be made is that Mr. Mills shows that he worked for Abel Recon Alpha Liner and the project listings for this company showed Mr. Mills as the foreman, therefore the only reasonable conclusion that could be made is that Mr. Mills only has 8,076 linear feet of CIPP experience on sewer lines 18 inches or larger, as was stated in item a., above. Therefore, ProPacific's submission appears to not meet the minimum personnel qualifications for the CIPP supervisor.

Listed below is a summary table of the various bid options and their respective totals for all bidders:

	Summary of Rev	vised Calculated Bid A	mounts	
Bid Type	Core Tech-	Infratech	Mocon	ProPacific
	Hawaiian	International, LLC		Builder
	Dredging, LLC			Corporation
Base Bid	\$5,287,828.67	\$6,534,424.10	\$5,920,072.50	\$4,669.227.00
Additive Bid #1	\$763,427.66	\$1,558,718.60	\$590,666.75	\$1,087,893.00
Additive Bid #2	\$693,525.04	\$1,565,730.85	\$542,162.00	\$935,832.00
Additive Bid #3	\$589,818.25	\$1,537,379.86	\$668,119.00	\$945,244.00
Additive Bid #4	\$397,956.70	\$991,277.70	\$324,295.00	\$396,910.00
Additive Bid #5	\$511,370.58	\$855,580.20	\$677,000.00	\$540,410.00
Additive Bid #6	\$498,481.72	\$678,130.63	\$251,230.00	\$278,924.00
Grand Total of	\$8,742,408.62	\$13,767,241.94	\$8,973,545.25	\$8,884,440.00
Base + All				
Additive Bids				

The basis of award for this project was the base bid, which resulted in the lowest bidder to be ProPacific Builder Corporation. However after further evaluation of the Contractor qualification and as was submitted in a letter by GWA dated September 28, 2020, ProPacific was found to be non-responsive for not meeting the minimum requirements of the project specifications.

After review of the next lowest bidder, Core Tech-Hawaiian Dredging, their bid documents and Contractor qualifications have been found to have met the requirements of the project bid solicitation and specification requirements. Therefore, it is recommended that GWA award the project award to Core Tech-Hawaiian Dredging as the lowest, most responsive bidder for this bid solicitation. Because the additive bid amounts were found to be within reason of the engineer's estimate, it is recommended GWA proceed with as many additive bids, in addition to the base bid, that the project's budget can support.

If you should have further questions, please feel free to call me at 671-686-6425 or email at Nicholas.manley@hdrinc.com.

Sincerely,

HDR Engineering, Inc.

Nick Manley Project Manager

Enclosure: Route 1 Sewer Rehab - Phase II - Bid Tabulation

FDR

Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase

GUAM WATERWORKS AUTHORIT

Bid Tabulation

Line B Work (SMH 13Asan to SMH 350AHaga and SMH 350BHaga to SMH339Haga)	

		,		Fanis	L Fathers	r .		Unit Bid Price		zaijan Dredeing IIC		nternational IIC				anifia f	ilder Corporation			
Item I'-	Description	Unit	Unit Price	Engineer	's Estimate Bid Amount	Unit Price	Qty	Unit Bid Price Bid Amount	Core-T Unit Price	Otv	valian Dredging, LLC Bid Amount	Inf Unit Price	Otv	nternational, LLC Bid Amount	Unit Price	Otv	Aocon Bid Amount	ProP Unit Price	Oty	lider Corporation Bid Amount
1	Mobilization and Demobilization	Lump Sum	\$ 496,577.00	uty 1	\$ 496.577.00	\$ 853,284.47	Qty 1	\$ 853,284.47	\$ 1,431,105.00	Qty 1	\$ 1,431,105.00	\$ 550,032.87	1	\$ 550,032.87	\$ 982,000.00	QLY 1	\$ 982,000,00	\$ 450,000.00	Qty 1	\$ 450,000.00
1		cump sum	3 430,377.00		3 450,377.00	3 833,284.47	1	3 833,284.47	3 1,431,103.00	1	3 1,431,103.00	3 530,032.87	1	3 330,032.87	3 982,000.00	1	3 582,000.00	3 430,000.00	1	3 430,000.00
2	Light Sewer Line Cleaning of existing 16-inch Asbestos Cement Pipe (ACP) and 16-inch Polyvinyl Chloride (PVC) pipe sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ 25.00	2,648	\$ 66,200.00	21.08	2,648	55,826.46	15.34 \$	2,648	40,620.32	31.99	2,648	84,709.52 \$	22.00	2,648	\$8,256.00	15.00	2,648	39,720.00
3	Light Sewer Line Cleaning of existing 24-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Pt.	\$ 44.00	3,628	\$ 159,632.00	25.52	3,628	92,568.42	19.29	3,628	69,984.12	32.77 \$	3,628	118,889.56 \$	35.00	3,628	\$	15.00	3,628	\$4,420.00
4	Light Sewer Line Cleaning of existing 27-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Pt.	\$ 45.00	3,706	\$ 166,770.00	32.46 \$	3,706	\$	22.53 \$	3,706	83,496.18	37.29 \$	3,706	138,196.74	55.00	3,706	203,830.00	15.00	3,706	55,590.00
5	Heavy Sewer Line Cleaning of existing 16-inch Aebestos Cement Pipe (ACP) and 16-inch Polyvinyl Chloride (PVC) pipe sewer lines, including removal and disposal of debins, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ 80.00	559	\$ 44,720.00	38.39	559	21,461.41	32.19	559	17,994.21 S	64.38	559	35,988.42	42.00	559	23,478.00	15.00	559	8,385.00
6	Heavy Sewer Line Cleaning of existing 24-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Pt.	\$ 100.00	127	\$ 12,700.00	60.74	127	7,713.35	64.17	127	8,149.59 \$	68.77 \$	127	8,733.79 \$	95.00	127	12,065.00	15.00	127	1,905.00
7	Heavy Sewer Line Cleaning of existing 27-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ 110.00	249	\$ 27,390.00	\$	249	19,202.88	68.19	249	16,979.31	75.29 \$	249	18,747.21	150.00	249	37,350.00	15.00	249	3,735.00
8	Specially Cleaning of all pipe size sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Hour	\$ 600.00	40	\$ 24,000.00	742.86 \$	40	29,714.50	1,296.38	40	51,855.20	275.07	40	\$	1,000.00	40	40,000.00	400.00	40	16,000.00
9	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 16" sewer line and sewer mariholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ 12.00	646	\$ 7,752.00	\$	646	8,015.25 \$	13.39	646	8,649.94	\$	646	18,566.04	2.50	646	1,615.00	5.00	646	3,230.00
10	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 24" sewer line and sewer mariholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ 14.00	1,814	\$ 25,396.00	13.38	1,814	24,275.86	\$	1,814	30,674.74	29.12	1,814	52,823.68	2.50	1,814	4,535.00	5.00	1,814	9,070.00
11	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 27" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ 14.00	1,853	\$ 25,942.00	15.74	1,853	29,156.96	20.43 \$	1,853	37,856.79	33.51	1,853	62,094.03	4.00	1,853	7,412.00 \$	5.00	1,853	9,265.00
12	Closed-Circuit Television (CCTV) inspections for pre- and post- rehabilitation of existing 16" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Pt.	\$ 12.00	1,292	\$ 15,504.00	9.68	1,292	12,503.33	\$	1,292	3,191.24	\$	1,292	37,132.08	2.50	1,292	3,230.00	5.00	1,292	6,460.00
13	Closed-Circuit Television (CCTV) inspections for pre- and post- rehabilitation of existing 24" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ 14.00	3,628	\$ 50,792.00	9.86	3,628	35,772.08	\$	3,628	10,230.96	\$	3,628	105,647.36 \$	2.50	3,628	9,070.00	5.00 S	3,628	18,140.00
14	Closed-Circuit Television (CCTV) inspections for pre- and post- rehabilitation of existing 27" sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ 14.00	3,706	\$ 51,884.00	\$	3,706	42,646.80	3.52	3,706	13,045.12	33.51	3,706	124,188.06 \$	4.00	3,706	14,824.00	5.00 S	3,706	18,530.00
15	Installation of cured-in-place pipe (CIPP) lining in existing 16- inch sewer line, including wet out, preparation, testing of installed line; sealing at manifoles, reconstructing manifole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ 317.00	646	\$ 204,782.00	347.91	646	224,749.86	209.83	646	135,550.18	498.06 \$	646	321,746.76	283.75	646	183,302.50	400.00	646	258,400.00
16	Installation of cured-in-place pipe (CIPP) lining in existing 24- inch sewer line, including wet out, preparation, testing of installed line, sealing at manhole, reconstructing marhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ 367.00	1,814	\$ 665,738.00	499.94	1,814	906,895.70	221.72 \$	1,814	402,200.08	846.05 \$	1,814	1,534,734.70	400.00	1,814	725,600.00	532.00 \$	1,814	965,048.00
17	Installation of cured-in-place pipe (CIPP) lining in existing 27- inch sewer line, including wet out, preparation, testing of installed line; sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ 405.00	1,853	\$ 750,465.00	\$88.13	1,853	1,089,804.89	\$	1,853	425,949.11 S	854.65 \$	1,853	1,583,666.45	675.00	1,853	1,250,775.00	593.00	1,853	1,098,829.00
18	Reinstatement of existing sewer laterals upon completion of CIPP lining installation, and all incidentals, in place complete.	Ea.	\$ 2,400.00	16	\$ 38,400.00	9,948.93	16	\$	\$8,648.13	16	\$ 138,370.08	\$	16	\$	\$8,500.00	16	\$	\$	16	\$

FDS

Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase II

Description				er's Estimate			Unit Bid Price						iternational, LLC			Mocon			ilder Corporation
	Unit	Unit Price	Otv	Bid Amount	Unit Price	Otv	Bid Amount	Unit Price	Otv	waiian Dredging, LLC Bid Amount	Unit Price	Otv	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Otv	Bid Amount
dalation of cured-hybica lateral iner for sewer laterals from 6 inches in diameter. (Includes 4 Ea. to be installed on sewer erals associated with the Route 4 Relief Sewer Line habilitation and Replacement at approximately Sta. 2+20, 04, 5+99, and 7+06)	Ea.	\$ 18,000.00	4	\$ 72,000.00	20,293.18	4	81,172.73	25,726.25	4	102,905.00	17,946.48	4	71,785.92	12,500.00	4	50,000.00	25,000.00	4	100,000.00
nemical Grouting on sewer lines for each installation up to 1 llon, including all cleaning, CCTV, sewer bypass, and all ter items as necessary to complete the work.	Ea.	\$ 15,000.00	2	\$ 30,000.00	6,917.84	2	13,835.67	5,003.50 \$	2	10,007.00	5,717.84 \$	2	11,435.68	15,450.00	2	30,900.00	1,500.00	2	3,000.00
nemical Grouting on sewer lines for all installations over 1 liton, including all cleaning, CCTV, sewer bypass, and all ner items as necessary to complete the work.	Ea.	\$ 500.00	100	\$ 50,000.00	489.11 \$	100	48,911.00	29.59	100	2,959.00	186.85	100	18,685.00	240.00	100	24,000.00	1,500.00	100	150,000.00
nemical Grouting on laterals for each installation up to 1 libn, including all cleaning, CCTV, sewer bypass, and all ner items as necessary to complete the work.	Ea.	\$ 15,000.00	3	\$ 45,000.00	8,619.42 \$	3	25,858.25	6,107.00 S	3	\$	11,420.66	3	34,261.98	15,450.00	3	46,350.00	1,500.00	3	4,500.00
nemical Grouting on laterals for all installations over 1 gallon, cluding all cleaning, CCTV, sewer bypass, and all other items necessary to complete the work.	Ea.	\$ 500.00	150	\$ 75,000.00	504.54 \$	150	75,681.38	29.59 \$	150	4,438.50	188.58	150	28,287.00	300.00	150	45,000.00	1,500.00	150	225,000.00
wer manhole concrete collar, including reinforcing steel, rrow material, where required, and all other items as cessary to complete the work.	Ea.	\$ 1,500.00	3	\$ 4,500.00	4,972.41	3	14,917.23	3,729.00 \$	3	11,187.00 \$	7,660.64 \$	3	22,981.92	3,500.00	3	10,500.00	5,000.00	3	15,000.00
weer Flow Cortrol for Sewer Rehabilitation, including restion and bipsase purnoing plan, temporary bipsase piping do purno, pipe plate, bypsasing at severe biterate (including airting and exposing cleanous), temporary trenches (including proparay and permanent AC pawerent and concrete vennent), electrical and starsely powerlyamps, monitoring, ill containment/mission, additional traffic control, all related storation work, in place complete.	Lump Sum	\$ 690,000.00	1	\$ 690,000.00	784,948.99 \$	1	784,948.99 \$	1,004,646.00	1	1,004,646.00	810,149.96 S	1	810,149.96 \$	975,000.00	1	975,000.00	350,000.00	1	350,000.00
affic Control Work, including obtaining approvals, design/modification of traffic control plans for the contractor's nvenience, traffic control work, all traffic control devices, scement and emenval of devices and delous, cleanup, storation, and incidentals.	Lump Sum	\$ 290,000.00	1	\$ 290,000.00	167,585.94 \$	1	167,585.94	170,821.00	1	170,821.00	294,522.77	1	294,522.77	130,000.00	1	130,000.00	75,000.00	1	75,000.00
int Repair for 16-inch diameter PVC sewer pipe, including verment demolition, shoring, or bracing, underprining, several properties of the properties of the southern and utilities, removal of bracen support, seeled fill, wable fill, traffic covers, and all incidentals required to implies the work. (4 LF pipe section or less, per line gment)	Ea.	\$ 5,837.00	2	\$ 11,674.00	29,041.42	2	58,082.85	35,699.00 \$	2	71,398.00	14,966.69	2	29,933.38	45,500.00	2	91,000.00	20,000.00	2	40,000.00
tra Length Point Repair for 16-inch diameter PVC sewer se, all depths; in excess of 4 LF (Typ.)	Lin. Ft.	\$ 1,523.00	40	\$ 60,920.00	\$	40	\$	\$8,128.55	40	\$	\$3,082.95	40	\$	\$	40	\$	\$	40	\$
int Repair for 24-linh diameter PVC sewer pipe, including wement demollion, shoring, or braining, underpinning, soliting production of the production and support of undurens and utilities, removal of breach support, select fill, wable fill, traffic covers, and all incidentals required to implies the work. (4 LF pipe section or less, per line greent)	Ea.	\$ 6,344.00	1	\$ 6,344.00	41,130.90 \$	1	41,130.90	43,150.00	1	43,150.00	15,873.60	1	15,873.60	\$5,500.00	1	\$5,500.00	\$0,000.00	1	\$0,000.00
tra Length Point Repair for 24-inch diameter PVC sewer e, all depths; in excess of 4 LF (Typ.)	Lin. Pt.	\$ 1,523.00	20	\$ 30,460.00	5,338.90	20	\$	\$	20	\$	\$3,840.38	20	\$	\$	20	\$	\$	20	\$
int Repair for 27-inch diameter PVC sever pipe, including verment demolition, shoring, or bracing, underprining, sidner groundwater control, protection and support of sidner groundwater and support of with groundwater production of with the production of the might be work. (4 LF pipe section or less, per line gment)	Ea.	\$ 6,921.00	1	\$ 6,921.00	44,212.44 \$	1	44,212.44	45,366.00 \$	1	45,366.00 \$	15,983.74	1	15,983.74	65,500.00	1	65,500.00	50,000.00	1	\$0,000.00
stra Length Point Repair for 27-inch diameter PVC sewer ne, all depths; in excess of 4 LF (Typ.)	Lin. Ft.	\$ 1,650.00	20	\$ 33,000.00	\$ 5,842.81	20	\$	\$	20	\$	\$ 4,301.13	20	\$86,022.60	6,500.00	20	\$	\$	20	\$
weer Flow Control for Point Repairs of 16-inch, 18-inch, 24- h, and 27-inch for every 4 LF of point repair, including section and bypass purprieg plan, temporary bypass piping of pumpe, pip plags, bypassing at sever laterals (including lating and opening of accessed, between themsels, elicitating and possible plantage), the proper temporary and permanent AC powerment and concribe reporting and permanent AC powerment and concribe veneral, electrical and starbely powerbypans, monitoring, all containment/militigation, additional traffic control, all related storation work, in place complete.	Ea.	\$ 12,690.00	4	\$ 50,760.00	22,997.11	4	91,988.43	31,823.50	4	127,294.00	5,164.93	4	20,659.72	25,000.00	4	100,000.00	30,000.00	4	120,000.00
er marchandle adress whether to whatters to whatters to mineral	row material, where required, and all other items as sessay to complete the word. were Flow Control for Sewer Restabilitation, including generation and bypass pumping plan, temporary bypass pring person and bypass pumping plan, temporary bypass pring person plan plan plan plan plan plan plan pla	tow materials, where regarded, and all other items as seasony to complete the sassity to save the sassity to save the sassity to save the sassity to save the same same same same same same same sam	trow materials, where required, and all other items as season to complete the sassity to severe the sassity of the sassity to severe the sassity	trow materials, where required, and all other items as assessive to complete the word. See Fine Control for Sener Rehabilitation, including previous and support of the previous programs and bypass pumping plans, improved the programs and bypass pumping plans, improved the programs and prog	tow material, where required, and all other forms as assays to complete the sussey to complete the sussey to complete the sussey to complete the floridary sussey to complete the floridary sussey to complete the floridary suspension and bypass purpose plant, beinground years piping plant plant years piping plant years piping plant years piping plant years piping plant years years piping plant years	tow material, where required, and all other ferms as sessing to competite the states of the state of the stat	Section Sect	Town material, where required, and all other imme as easiesty to complet the results of the complete of the co	The contraction of the contracti	The contraction of the first and in the rations as services of the first and in the rations and of their attention and stopped groups appropriaght the stopped	The Control for Sever Probabilistics in routing for for Sever Probabilistics in routin	The contraction of the contracti	The contraction of the contract of the contrac	The control of the form of position and the form of the control of the form of the control of th	The control of the co	The contract of a limite from in the Car S 1,000,000 2 5 4,000,000 3 1,127,200 3 1,127,200 3 1,127,200 3 1,127,200 3 2,224,222 3,000,000 3 2,000,000 3 2,000,000 3 2,000,000 3 2,000,000 3 2,000,000 3 3 2,000,000 3 3 2,000,000 3 3 3,000,000 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3 3,000,000 3 3	The contract of a series of a	The contract of the contract and effect from the contract of t	The control of the co

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Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase II

											ORKS AUTHORITY											
				Engine	er's Estimate		verage l	Unit Bid Price	Core-T	ech-Haw	aiian Dredging, LLC		Infratech	International, LLC				Mocon	Pr	oPacific E	uilder Corporatio	1
Item No.	Description	Unit	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	U	nit Price	Qty	Bid Amount	Unit Price	Qty	Bid	Amount
34	Traffic Control Work for each Point Repair, including traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Ea.	\$ 2,540.00	4	\$ 10,160.00	7,064.98	4	28,259.93	3,146.50	4	12,586.00	6,113.43 \$	4	24,453.72	\$	1,000.00	4	\$6,000.00	5,000.00 \$	4	\$	000.00
	В	ASE BID (TOT	AL Items 1 through 34.	inclusive	4,301,383.00			\$5,610,388.07			\$ 5,287,828.67			\$ 6,534,424.10				\$ 5,920,072.50			\$ 4,69	9,227.00
	BASE BID (BASIS OF AWARD) =		\$ 4,301,383	.00		\$ 5,610,388.0	07	=	\$ 5,287,828.	67	Submitted Bid Price 5,287,826.00	\$ 6,534,4	24.10	Submitted Bid Price 6,534,440.24	s	5,920,072	.50	Submitted Bid Price 5,920,072.50	\$ 4,699,22	7.00		ned Bid Price 9,227.00
	ADDITIVE BID #1 =		\$ 978,894.	00		\$ 978,894.0	0	_	\$ 763,427.6	6	763,430.00	\$1,568,7	18.60	1,568,718.60	s	590,666.	75	590,666.75	\$1,087,89	3.00	1,08	7,893.00
	ADDITIVE BID #2 =		\$ 910,497.	00		\$910,497.0	0	_	\$ 693,525.0	4	693,530.00	\$ 1,565,7	30.85	1,562,730.85	\$	542,162	00	542,162.00	\$ 935,832	2.00	93	(832.00
	ADDITIVE BID #3 =		\$ 889,817.	00		\$889,817.0	0	_	\$ 589,818.2	5	589,809.00	\$1,573,3	79.86	1,537,379.86	\$	668,119.	00	668,119.00	\$ 945,244	1.00	94	(244.00
	ADDITIVE BID #4 =		\$368,464	00	_	\$368,464.0	0	_	\$ 397,956.7	0	397,961.00	\$991,27	7.70	991,277.70	\$	324,295.	00	324,295.00	\$396,910	0.00	39	910.00
	ADDITIVE BID #5 =		\$ 505,605	00	_	\$\$	0	_	\$ 511,370.5	8	511,371.00	\$855,58	0.20	855,580.20	\$	677,000.	00	677,000.00	\$540,410	0.00	54	1,410.00
	ADDITIVE BID #6 =		\$ 384,601	00	_	\$384,601.0	0	_	\$ 498,481.7	2	498,481.00	\$ 678,13	0.63	678,130.63	\$	251,230.	00	251,230.00	\$ 278,924	1.00	27	(924.00
GRANI	TOTAL BASE BID + ADDITIVE BID #1 TO ADDITIVE	/E BID #6	\$ 8,339,261	.00	_	\$ 9,648,266.0	07	_	\$ 8,742,408.	62	8,742,408.00	\$ 13,767,2	41.94	13,764,258.08	\$	8,973,545	.25	8,973,545.25	\$8,884,44	0.00	8,80	4,440.00

= Value Corrected Due to Mathematical Error per Instructions to Bidders, Article 14.01, Item C.





can Adelun Haeatna Route 1 Sewer Rehabilitation and Renlanement Phase

Addition (Bid #1 Description of Work:								Bid T	abulatio	on									
Line B Wo	ass at Louerupeism of work: (K (SMH 339Haga) to SMH 335Haga) sists of cleaning and rehabilitating existing 27-inch diameter gr.	avity sewer lin	es with cured-in-place pi	ipe (CIPP)	liner, reinstating sewer laterals after	CIPP rehabilitation is cor	mplete, re	placing sewer manhole frame and co	ers, sewer manhole con	crete colla	ars, and providing temporary bypass	ing and traffic control as	necessary	to complete the rehabilitation work						
$\overline{}$				Enginee	's Estimate		Average I	Jnit Bid Price	Core-1	ech-Hawa	aiian Dredging, LLC	ln ln	fratech Int	ernational, LLC		N	locon	Pro	Pacific Buil	der Corporation
Item No.	Description	Unit	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount
1	Mobilization (For costs associated with bonding, insurance and permits)	Lump Sum	\$ 72,511.00	1	\$ 72,511.00	\$	1	\$ 78,286.09	S118,079.00	1	\$ 118,079.00	\$60,065.34	1	\$ 60,065.34	\$35,000.00	1	\$ 35,000.00	\$	1	\$ 100,000.00
	Light Sewer Line Cleaning of existing 27-inch Asbestos Coment. Pipe (ACP) sewer lines, including removal and disposal of debtis, and other lisms as necessary to complete the inspection and rehabilitation work.	Lin. Pt.	\$ 45.00	2,118	\$ 95,310.00	33.22	2,118	\$ 70,365.26	22.60	2,118	S 47,866.80	37.29	2,118	\$ 78,980.22	\$55.00 \$	2,118	\$ 116,490.00	18.00	2,118	\$ 38,124.00
3	Specialty Cleaning of all pipe size sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Hour	\$ 600.00	40	\$ 24,000.00	647.76	40	\$ 25,910.20	1,297.95	49	\$ 51,918.00	275.07	40	\$ 11,002.80	1,000.00 S	40	\$ 40,000.00	18.00 S	40	\$ 720.00
4	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 27° sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Pt.	\$ 14.00	1,059	\$ 14,826.00	15.82	1,059	\$ 16,748.09	19.75 S	1,059	\$ 20,915.25	33.51	1,059	\$ 35,487.09	4.00 S	1,059	\$ 4,236.00	6.00 S	1,059	\$ 6,354.00
5	Closed-Circuit Television (CCTV) inspections for pre- and post- rehabilisation of existing 27 sewer fine and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Pt.	\$ 14.00	2,118	\$ 29,652.00	11.67	2,118	\$ 24,717.06	3.17	2,118	s 6,714.06	33.51	2,118	\$ 70,974.18	4.00 S	2,118	\$ 8,472.00	6.00 S	2,118	\$ 12,708.00
6	installation of cured-in-place pipe (CIPP) lining in existing 27-inch sewer line, including wet out, preparation, basting of installed liner, sealing at markholes, reconstructing markels transition sections and benches, and other items as necessary to complete the work.	Lin. Pt.	\$ 405.00	1,059	\$ 428,895.00	460.34	1,059	\$ 487,497.41	237.45	1,059	\$ 251,459.55	854.65 \$	1,059	\$ 905,074.35	156.25	1,059	\$ 165,468.75	593.00 S	1,059	\$ 627,987.00
	Reinstatement of existing sewer laterals upon completion of CIPP lining installation, and all incidentals, in place complete.	m.	\$ 2,400.00	8	\$ 19,200.00	9,882.59	8	\$ 79,060.68	8,382.75	80	\$ 67,062.00	\$	80	\$ 21,180.72	\$	8	\$ 68,000.00	20,000.00	8	\$ 160,000.00
8	Cast iron manhole frame and cover, 25-inch diameter, including grade adjustment rings where required, and other items as necessary to complete the work.	Ea	\$ 3,000.00	1	\$ 3,000.00	4,228.35	1	\$ 4,228.35	1,616.00	1	S 1,616.00	\$	1	\$ 4,797.38	4,500.00	1	\$ 4,500.00	6,000.00 S	1	\$ 6,000.00
9	Sewer manhole concrete collar, including reinforcing steel, borrow material, where required, and all other items as necessary to complete the work.	Ea.	\$ 1,500.00	1	\$ 1,500.00	4,819.41 S	1	\$ 4,819.41	2,117.00 \$	1	\$ 2,117.00	7,660.64 \$	1	\$ 7,660.64	3,500.00 \$	1	\$ 3,500.00	6,000.00 \$	1	\$ 6,000.00
10	Sewer Flow Cortrol for Sewer Rehabilitation, including diversion and bypass pumping plan, temporary bypass piping and pumpa, page page, bypassing of aniewal balania (exchicing locating and page page, bypassing of aniewal balania (exchicing locating and semantion, excession), backfill resent covers, temporary and permented AC powerer and occurate payments, electrical and datarday possetizures, morelating, spill containment/milipapion, additionally smits control, all related restriction work, in place companies.	Lump Sum	\$ 210,000.00	1	\$ 210,000.00	168,763.66	1	5 168,763.66	179,932.00 S	1	5 179,932.00	290,122.65	1	\$ 290,122.65	125,000.00	1	5 125,000.00	80,000.00 S	1	\$ 80,000.00
11	Traffic Control Work, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, taffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ 80,000.00	1	\$ 80,000.00	42,280.31	1	\$ 42,280.31	15,748.00 S	1	\$ 15,748.00	83,373.23	1	\$ 83,373.23	20,000.00	1	\$ 20,000.00	50,000.00 S	1	\$ 50,000.00
	ADDITIVE	BID #1 (TOTA	AL Items 1 through 11, in	nclusive)	\$ 978,894.00			\$ 1,002,676.50			\$ 763,427.66			\$1,568,718.60			\$ 590,666.75			\$ 1,087,893.00

= Value Corrected Due to Mathematical Error per Instructions to Bidders, Article 14.01, Item C.





an Arlehin Hagatha, Route 1 Sewer Rehabilitation and Renlarement Phase

Additive	Bid #2 Description of Work:								Bid Tab	ulation	n									
Line B Wo	ork (SMH 335Haga to SMH 327Haga) sists of cleaning and rehabilitating existing 27-inch diameter gr	avity sewer lin	es with cured-in-place p	ipe (CIPP)	liner, replacing sewer manhole cor	crete collars, and providi	ing tempo	orary bypassing and traffic control as	necessary to complete	he rehab	pilitation work.									
	- 0																			
	ı			Enginee	r's Estimate	1	Average	Unit Bid Price	Core-1	ech-Haw	raiian Dredging, LLC	infe	ratech In	nternational, LLC			focon	ProP	acific Bu	Ider Corporation
Item No.	Description	Unit	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount
1	Mobilization (For costs associated with bonding, insurance and permits)	Lump Sum	\$ 67,445.00	1	\$ 67,445.00	\$64,800.74	1	\$64,800.74	\$	1	\$	\$59,446.97	1	\$ 59,446.97	\$35,000.00	1	\$	90,000.00	1	90,000.00
2	Light Sever Line Cleaning of existing 27-inch Aubastos Germert Pipa (ACP) sever lines, including removal and disposal of debris, and other latens as necessary to complete the inspection and rehabilitation work.	Lin. Pt.	\$ 45.00	2,192	\$ 98,640.00	33.16	2,192	72,686.72	22.35	2,192	48,991.20 S	37.29	2,192	81,739.68	\$5.00 \$	2,192	120,560.00	18.00 S	2,192	39,456.00 S
3	Specially Cleaning of all pipe size sever lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Hour	\$ 600.00	40	\$ 24,000.00	632.64	40	25,305.70	1,237.50	40	49,500.00	275.07	40	11,002.80	1,000.00	40	40,000.00	18.00 S	40	720.00
4	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 27° sewer line and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Pt.	\$ 14.00	1,096	\$ 15,344.00	\$	1,096	17,286.66	19.58	1,096	21,459.68	33.51	1,096	36,726.96	4.00	1,096	4,384.00	6.00 S	1,096	6,576.00 S
5	Closed-Circuit Television (CCTV) inspections for pre- and post- rehabilitation of existing 27° sewer line and sewer mariholas, including reports, documentation, and other items as necessary to complete the work.	Lin. Pt.	\$ 14.00	2,192	\$ 30,688.00	\$	2,192	26,139.60	4.19	2,192	9,184.48 S	33.51	2,192	73,453.92	4.00	2,192	8,768.00 \$	6.00 S	2,192	13,152.00 S
6	installation of cured-in-place pipe (CIPP) liring in existing 27-inch sewer fire, including wet out, preparation, fasting of installed liner, sealing at marholes, reconstructing marhole transition sections and benches, and other items as necessary to complete the work.	Lin. Pt.	\$ 405.00	1,096	\$ 443,880.00	467.25	1,096	512,100.52 \$	252.58 \$	1,096	276,827.68 S	854.65 \$	1,096	936,696.40	168.75 \$	1,096	184,950.00	593.00	1,096	649,928.00 S
7	Sewer manhols concrete collar, including reinforcing steet, borrow material, where required, and all other items as necessary to complete the work.	Ea.	\$ 1,500.00	1	\$ 1,500.00	5,215.66 \$	1	5,215.66	3,702.00 S	1	3,702.00	7,660.64 \$	1	7,660.64	3,500.00	1	3,500.00	6,000.00 S	1	6,000.00 5
8	seem Fina Cornol for Seem Rehabilitation, including diversions of Spease jumping jain, temporary Spease gaing and purpose, or principal					167,957.89	190,343.00	1	190,343.00 S	276,488.57 S	1	276,48£.57 S	125,000.00	1	125,000.00	80,000.00 S	1	80,000.00		
9	Traffic Control Work, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, traffic control wark, all traffic control devices, slacement and removal of devices and detours, cleanup, restoration, and incidentals.	selightmodification of traffic control splans for the contractor's winterior, traffic control value (an utilities control selection), but suffice control value (askedurus, cleaning, mental and removal of devices and deburus, cleaning, mental and removal of devices and selections, cleaning,						42,818.98	18,761.00 S	1	18,761.00 S	82,514.91 \$	1	82,514.91 5	20,000.00	1	20,000.00	50,000.00	1	50,000.00
	ADDITM	/E BID #2 (TO)	AL items 1 through 9.	nclusive)	\$ 910,497.00			\$ 934,312.47			\$ 693,525.04			\$ 1,565,730.85			\$542,162.00			\$ 935,832.00

⁼ Value Corrected Due to Mathematical Error per Instructions to Bidders, Article 14.01, Item C.





Aran, Adelun, Haratoa, Route 1 Sawar Rehabilitation and Replacement Bhare III

Line B Work	#3 Description of Work: (SMH 327Haga to SMH 323Haga) ts of rehabilitating existing 27-inch diameter gravity sewer lin	nes with cured-i	in-place pipe (CIPP) line	r, replacin	g sewer manhole concrete collars, a	d providing temporary b	pypassing	and traffic control as necessary to co	Bid Tab											
				Enginee	r's Estimate		Average	Unit Bid Price	Core-To	ech-Haw	valian Dredging, LLC	Infr	ratech In	nternational, LLC			Mocon	ProP	acific Bu	lder Corporation
Item No.	Description	Unit	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount
	obilization (For costs associated with bonding, insurance id permits)	Lump Sum	\$ 65,913.00	1	\$ 65,913.00	\$ 64,729.10	1	\$64,729.10	S 74,544.00	1	\$	\$ 59,372.38	1	\$59,372.38	\$35,000.00	1	\$35,000.00	\$90,000.00	1	\$
2 Ce	ght Sewer Line Cleaning of existing 27-inch Asbestos zment Pipe (ACP) sewer lines, including removal and sposal of debris, and other items as necessary to complete e inspection and rehabilitation work.	Lin. Ft.	\$ 45.00	2,184	\$ 98,280.00	32.96	2,184	71,979.18	21.54	2,184	47,043.36	37.29	2,184	\$1,441.36	55.00	2,184	\$	18.00	2,184	39,312.00
3 ren	secialty Cleaning of all pipe size sewer lines, including moval and disposal of debris, and other items as necessary complete the inspection and rehabilitation work.	Hour	\$ 600.00	40	\$ 24,000.00	643.16	40	25,726.20	1,279.55	40	51,182.00	275.07	40	11,002.80	1,000.00	40	40,000.00 \$	18.00	40	720.00
4 as	osed-Circuit Television (CCTV) inspections for initial sessment of existing 27' sewer line and sewer manholes, cluding reports, documentation, and other items as coessary to complete the work.	Lin. Ft.	\$ 14.00	1,092	\$ 15,288.00	15.75	1,092	17,193.54	19.47	1,092	21,261.24	33.51	1,092	36,592.92 \$	4.00	1,092	4,368.00 S	6.00	1,092	6,552.00
s rei	osed-Circuit Television (CCTV) inspections for pre- and post- habilitation of existing 27" sewer line and sewer manholes, cluding reports, documentation, and other items as coessary to complete the work.	Lin. Ft.	\$ 14.00	2,184	\$ 30,576.00	\$	2,184	25,656.54 \$	3.48	2,184	7,600.32	33.51	2,184	73,185.84	4.00 \$	2,184	8,736.00 S	6.00 \$	2,184	13,104.00 S
6 ins	stallation of cured-in-place pipe (CIPP) lining in existing 27- ch sewer line, including wet out, preparation, testing of stated liner, sealing at manholes, reconstructing manhole unsition sections and benches, and other items as coessary to complete the work.	Lin. Ft.	\$ 405.00	1,092	\$ 442,260.00	488.09	1,092	532,994.28	225.96	1,092	246,748.32	854.65 \$	1,092	933,277.80	278.75	1,092	304,395.00	593.00	1,092	647,556.00 S
7 bo	ower manhole concrete collar, including reinforcing steel, strow material, where required, and all other items as coessary to complete the work.	Ea.	\$ 1,500.00	3	\$ 4,500.00	4,597.08 \$	3	13,791.23	1,227.67	3	3,683.01	7,660.64 \$	3	22,981.92 \$	3,500.00 \$	3	10,500.00 \$	6,000.00 \$	3	18,000.00 S
div an loc 8 (in co pa sp	ower Flow Control for Sewer Rehabilitation, including ensisten and bypass pumping plan, temporary bypass piping do pump, pipe pipin, piposasing at sever laterias (pinclaring piping piping piping piping piping piping piping piping did piping piping piping piping piping piping piping did piping	Lump Sum	\$ 179,000.00	1	\$ 179,000.00	149,297.87	1	149,297.87 S	119,078.00	1	119,078.00	273,113.47 \$	1	273,113.47	125,000.00	1	125,000.00	80,000.00	1	80,000.00
9 co de	affic Control Work, including obtaining approvals, design-modification of traffic control plans for the intraactor's convenience, traffic control work, all traffic control vivices, placement and removal of devices and detours, pararup, restoration, and incidentals.	Lump Sum	\$ 30,000.00	1	\$ 30,000.00	42,772.34	1	42,772.34 \$	18,678.00	1	18,678.00	82,411.37 \$	1	82,411.37 5	20,000.00	1	20,000.00	\$0,000.00	1	50,000.00
	ADDITI	VE BID #3 (TO)	'AL Items 1 through 9,	inclusive	\$ 889,817.00			\$ 944,140.28			\$ 589,818.25		•	\$1,573,379.86		•	\$668,119.00			\$ 945,244.00

⁼ Value Corrected Due to Mathematical Error per Instructions to Bidders, Article 14.01, Item C.





Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase II

Line B Wo	id #4 Description of Work: k (SMH 323Haga to Hagatna Pump Station Wetwell) ists of rehabilitating existing 27-linch diameter gravity sewer li	nes with cured-	in-place pipe (CIPP) line	r, replacin	g sewer manhole concrete collars, ar	d providing temporary b	bypassing	and traffic control as necessary to c	Bid Tab											
				England	r's Estimate	1	Augrage	Unit Bid Price	Form.T	wh Unu	waiian Dredging, LLC	Infe	atoch Ir	nternational, LLC			Mocon	Broß	nelfie Bul	der Corporation
Item No.	Description	Unit	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount
1	Mobilization (For costs associated with bonding, insurance and permits)	Lump Sum	\$ 27,294.00	1	\$ 27,294.00	\$54,519.10	1	\$ 54,519.10	\$	1	\$ 75,358.00	\$ 67,718.38	1	\$ 67,718.38	\$ 35,000.00	1	\$35,000.00	\$40,000.00	1	40,000.00
2	Light Sewer Line Cleaning of existing 27-inch Asbestos Cement Pipe (ACP) sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Lin. Ft.	\$ 45.00	820	\$ 36,900.00	33.77	820	27,687.30	24.77 S	820	20,311.40	37.29	820	30,577.80 \$	55.00	820	45,100.00	18.00	820	14,760.00
3	Specialty Cleaning of all pipe size sewer lines, including removal and disposal of debris, and other items as necessary to complete the inspection and rehabilitation work.	Hour	\$ 600.00	40	\$ 24,000.00	646.46 \$	40	25,858.20	1,292.75	40	\$	275.07 \$	40	11,002.80 \$	1,000.00 S	40	40,000.00 S	18.00	40	720.00
4	Closed-Circuit Television (CCTV) inspections for initial assessment of existing 27' sewer line and sewer manholes, including reports, documentation, and other Items as necessary to complete the work.	Lin. Ft.	\$ 14.00	410	\$ 5,740.00	19.15	410	7,850.48	21.08	410	8,642.80	33.51	410	13,739.10	4.00	410	1,640.00	18.00	410	7,380.00
5	Closed-Circuit Television (CCTV) inspections for pre- and post rehabilitation of existing 27" sewer line and sewer manholes, including reports, documentation, and other Items as necessary to complete the work.	Lin. Ft.	\$ 14.00	820	\$ 11,480.00	12.28	820	10,071.65	5.62	820	4,608.40	33.51	820	27,478.20 \$	4.00	820	3,280.00	6.00	820	4,920.00
6	installation of cured-in-place pipe (CIPP) lining in existing 27- inch sewer line, including wet out, preparation, testing of installed line; sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ 405.00	410	\$ 166,050.00	480.17	410	196,869.70	283.01	410	116,034.10	867.17 \$	410	355,539.70	177.50	410	72,775.00	593.00	410	243,130.00
7	Cast iron manhole frame and cover, 30-inch diameter, including replacement of manhole cone section, grade adjustment rings where required, replacement of concrete sidewalk, curb and other items as necessary to complete the work.	Ea.	\$ 10,000.00	1	\$ 10,000.00	8,156.54 \$	1	8,156.54 \$	7,447.00 \$	1	7,447.00	12,679.15	1	12,679.15	6,500.00 \$	1	6,500.00 \$	6,000.00	1	6,000.00
8	Sewer Flow Costrol for Sewer Rehabilitation, including poliversion and bipsass pumping plan, temporary bypass piping and pumps, pipe plan, bypassing at sewer lateral (including locating and reposing cleanous), impropry benchias coulding and reposing cleanous), impropry benchias country and propriet of the propriet and propriet country and propriet and propriet and concrete parameters, legislating and personal pumpings, monitoring cleanous propriets and propriets and propriets and propriets cleanous propriets and propriets and propriets and propriets and propriets and prop	Lump Sum	\$ 67,000.00	1	\$ 67,000.00	154,780.77	1	154,780.77 S	101,288.00	1	101,288.00	367,835.06 \$	1	367,835.06	100,000.00 \$	1	100,000.00	50,000.00	1	50,000.00
9	Traffic Control Work, including obtaining approvals, redesignimodification of varific control plans for the contratedr's connelinee, traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	41,816.13	1	41,816.13	12,557.00	1	12,557.00	104,707.51	1	104,707.51	20,000.00	1	20,000.00	30,000.00	1	30,000.00
	ADDITI	VE BID #4 (TO	FAL Items 1 through 9,	inclusive	\$ 368,464.00			\$ \$27,609.85			\$ 397,956.70			\$ 991,277.70			\$ 324,295.00			396,910.00

= Value Corrected Due to Mathematical Error per Instructions to Bidders, Article 14.01, Item C.





an Arlehin Hagatha, Route 1 Sewer Rehabilitation and Renlarement Phase

	Bid #1 Description of Work:								Bid	Tabulati	on									
Line C Wo	Bid #1 Description of Work: hrk /SMH 398Ason to 355AAson! hisists of abandoning an existing 12-inch ACP sewer line, installin	g a new 12-incl	h diameter polyvinyl ch	loride (PVC)	sewer line, and providing temporary	bypassing and traffic or	ontrol as nec	sessary to complete the work.												
					's Estimate			nit Bid Price			alian Dredging, LLC			ernational, LLC			ocon			der Corporation
Item No.	Description	Unit	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount
1	Mobilization (For costs associated with bonding, insurance and permits)	Lump Sum	\$ 37,453.00	1	\$ 37,453.00	\$ 42,336.43	1	\$ 42,336.43	\$ 6,922.00	1	\$ 6,922.00	\$ 62,423.73	1	\$ 62,423.73	\$ 50,000.00	1	\$ 50,000.00	\$ 50,000.00	1	\$ 50,000.00
2	Abandonment of 12-inch diameter ACP pipe, and all incidentals required to complete the work.	Lin. Pt.	\$ 180.00	123	\$ 22,140.00	\$ 200.61	123	\$ 24,675.34	\$ 33.69	123	S 4,143.87	\$ 218.76	123	\$ 26,907.48	\$ 400.00	123	\$ 49,200.00	\$ 150.00	123	\$ 18,450.00
3	New Pipe install new 12" PVC pipe (AWWA C-040), DR 25 by open trenching, including pawement demollion, unclassified tench excivation, shoring, underpinning, crushed rock badding material, piping, filtings, select fill, compaction, sesting, warminglicker/filectation sape, and all incidentals, in place complete, (10"-20" Depth)	Lin. Pt.	\$ 3,825.00	80	\$ 306,000.00	\$ 2,410.88	80	\$ 192,870.40	\$ 1,742.70	80	\$ 139,416.00	\$ 1,900.82	80	\$ 152,065.60	\$ 2,500.00	80	\$ 200,000.00	\$ 3,500.00	80	\$ 280,000.00
4	A.C. Paverment Resurfacing, including pavement transitions, prime cost, tack cost, traffic stiping, miscellaneous restoration, and all necessary labor, materials and equipment, in place complete.	Sq. Yds.	\$ 233.00	74	\$ 17,242.00	\$ 382.88	74	\$ 28,332.94	\$ 434.15	74	5 32,127.10	\$ 297.36	74	\$ 22,004.64	\$ 650.00	74	S 48,100.00	\$ 150.00	74	\$ 11,100.00
5	Miling Asphalt Friction Course, including all necessary labor, materials and equipment, in place complete.	Sq. Yds.	\$ 110.00	109	\$ 11,990.00	\$ 334.48	109	\$ 36,458.05	\$ 333.35	109	\$ 36,335.15	\$ 224.56	109	\$ 24,477.04	\$ 700.00	109	S 76,300.00	\$ 80.00	109	\$ 8,720.00
6	Asphalt Friction Course, including pavement transitions and all necessary labor, materials and equipment, in place complete.	Sq. Yds.	\$ 160.00	183	\$ 29,280.00	\$ 249.22	183	\$ 45,606.35	\$ 352.62	183	5 64,529.46	\$ 264.24	183	\$ 48,355.92	\$ 300.00	183	\$ 54,900.00	\$ 80.00	183	\$ 14,640.00
7	Sewer manhole concrete collar, including reinforcing steel, borrow material where required, and other items as necessary to complete the work.	Ea.	\$ 1,500.00	1	\$ 1,500.00	\$ 5,353.07	1	\$ 5,353.07	\$ 2,120.00	1	\$ 2,120.00	\$ 8,292.29	1	\$ 8,292.29	\$ 3,500.00	1	\$ 3,500.00	\$ 7,500.00	1	\$ 7,500.00
8	Install new Plain Precest Concrete Manhole, including stugging or oppose pumping, excession and backfill, crushed rock base, residenced connects bases, preced conventive filerity) and cons, facility pays sauls and correctors, grade adjustment ring(s), residentially, and an analysis of the control of the residential and an analysis of the residential and an analysis of the stace complete.	Ea.	\$ 30,000.00	1	\$ 30,000.00	\$ 51,090.82	1	\$ 51,090.82	\$ 52,137.00	1	\$ 52,137.00	\$ 37,226.27	1	\$ 37,226.27	\$ 65,000.00	1	\$ 65,000.00	\$ 50,000.00	1	\$ 50,000.00
9	Sewer Flow Control for new pipe installation, including diversion and bipsase purprise plant, temporary bipsase piping and pumps, pipe plant, bipsases if severe literating fectively beautiful programmer exposing distancials, itemporary temches (recluding parement angiologic distancials), itemporary temches (recluding parement distancials prosmitioners and concrute parement, described and standing prosmitioners, mentalizing, spill containment/misignation, additional traffic control, all related restoration work, in place compilate.	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	\$ 173,294.69	1	\$ 173,294.69	\$ 169,267.00	1	5 169,267.00	\$ 363,911.76	1	\$ 363,911.76	\$ 85,000.00	1	5 85,000.00	\$ 75,000.00	1	\$ 75,000.00
10	Traffic Control Worls for new pipe installation and rehabilitation, schading obtaining approvals, redeslightmostification of traffic control plans for excentage of the contractor's convenience, striffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ 30,000.00	1	\$ 30,000.00	\$ 46,072.12	1	\$ 46,072.12	\$ 4,373.00	1	\$ 4,373.00	\$ 109,915.47	1	\$ 109,915.47	\$ 45,000.00	1	\$ 45,000.00	\$ 25,000.00	1	\$ 25,000.00
	ADDITA	Æ BID #1 (TOT	AL items 1 through 10.	inclusive)	\$ 505,605.00			\$ 646,090.20			\$ 511,370.58			\$ 855,580.20			\$ 677,000.00			\$ 540,410.00

⁼ Value Corrected Due to Mathematical Error per Instructions to Bidders, Article 14.01, Item C

FDR

Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase II

GUAM	WAT	ERW	ORKS	AUTHORI	٢Y

	Bid #6 Description of Work: ork (SMH 350AHAGA to SMH 350BHAGA)								віс та	bulatio	on									I
Work con	nsists of rehabilitating one siphon consisting of two (2) - 18-inch i	sarrels and pro	viding temporary bypas	sing and t	traffic control as necessary to comple	ete the rehabilitation w	ork.													
				Engine	er's Estimate	1	Average U	Unit Bid Price	Core-T	ech-Haw	raiian Dredging, LLC	Int	ratech Inte	ternational, LLC			Mocon	Pro	Pacific Buil	der Corporation
Item No.	Description	Unit	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount	Unit Price	Qty	Bid Amount
1	Mobilization (For costs associated with bonding, insurance and permits)	Lump Sum	\$ 28,489.00	1	\$ 28,489.00	\$ 70,947.63	_ 1	\$ 70,947.63	\$ 163,165.00	1	\$ 163,165.00	\$ 60,625.52	1 5	\$ 60,625.52	\$ 35,000.00	1	\$ 35,000.00	\$ 25,000.00	1 5	25,000.00
2	Sewer Line Cleaning of Inverted Siphon (2 - 18" Cast Iron Barrels, approximately 124 linear feet each, 22.5 degree bends), including removal and disposal of debris, and all incidentals necessary to complete work.	Lump Sum	\$ 30,000.00	1	\$ 30,000.00	\$ 66,814.92	1	\$ 66,814.92	\$ 78,271.00	1	\$ 78,271.00	\$ 63,988.67	1 5	\$ 63,988.67	\$ 75,000.00	1	\$ 75,000.00	\$ 50,000.00	1 5	50,000.00
	Closed-Circuit Television (CCTV) inspections for pre- and post rehabilisation of existing inverted siphon (2 - 18° Csst Iron Barrels, approximately 1/24 lines feet each, 22 5 degree bends) and sewer manholes, including reports, documentation, and other items as necessary to complete the work.	Lin. Ft.	\$ 14.00	248	\$ 3,472.00	\$ 47.37	248	\$ 11,748.38	\$ 139.69	248	\$ 34,643.12	\$ 32.30	248 5	\$ 8,010.40	\$ 10.00	248	\$ 2,480.00	\$ 7.50	248 5	1,860.00
4	Installation of cured-in-place pipe (CIPP) lining in existing 18- inch sewer line, including wet out, preparation, testing of installed line; sealing at manholes, reconstructing manhole transition sections and benches, and other items as necessary to complete the work.	Lin. Ft.	\$ 380.00	248	94,240.00	\$ 520.53	248	129,090.82	\$ 554.45	248	137,503.60	\$ 778.41	248	193,045.68	\$ 156.25	248	38,750.00	\$ 593.00	248	147,064.00
	Sever Flow Control for siphon inspection and cleaning, including diversion and bypass pumping plan, temporary sypass piping and pumping, pipe plang, bepossing at sower sypass plang and pumping, pipe plang, bepossing at sower tendors (including pawement demolition, escaration, backfill, reach covers, temporary and permanent AC pawement and concrete pawement), electrical and standardy powerloumps, monitoring, spil contament/miligation additional traffic control, all related restoration work, in plane complete.	Lump Sum	\$ 190,300.00	1	\$ 190,300.00	\$ 121,078.56	1	\$ 121,078.56	\$ 72,981.00	1	\$ 72,981.00	\$ 296,333.23	1 5	\$ 296,333.23	\$ 75,000.00	1	\$ 75,000.00	\$ 40,000.00	1 1	40,000.00
6	Traffic Control Work, including obtaining approvals, redesign/modification of traffic control plans for the contractor's convenience, Yaffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ 38,100.00	1	\$ 38,100.00	\$ 27,011.28	1	\$ 27,011.28	\$ 11,918.00	1	\$ 11,918.00	\$ 56,127.13	1 5	\$ 56,127.13	\$ 25,000.00	1	\$ 25,000.00	\$ 15,000.00	1 5	15,000.00

= Value Corrected Due to Mathematical Error per Instructions to Bidders, Article 14.01, Item

ADDITIVE BID #6 (TOTAL Items 1 through 6, inclusive) \$



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

Issues for Decision

Resolution No. 04-FY2020

Relative to Approval of a Change Order for a Construction Management Contract for Phase II of the Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement Project S15-002-EPA

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

The objective of this project is to provide complete Construction Management (CM) services during the construction of the second phase of sewer line construction to be completed along Route 1 from the Asan Pump Station to the Hagatna area, on a lump sum basis. The construction work will include pipe repair, cured-in-place-pipe installation, and manhole repairs along approximately 4,500 linear feet of sewer pipe. The area of gravity sewer line from Asan to Hagatna has deteriorated and experienced a number of collapses in the past two years and requires immediate attention. Phase I of this project, from Asan to the Asan Pump Station is currently under construction and is anticipated to be completed by March 2021. Duenas, Camacho & Associates, Inc. (DCA) is providing CM services for Phase I construction presently.

When the contract for CM work for the <u>full scope of work under the</u>Rt.1 Sewer Line Rehabilitation and Replacement was originally advertised, it included CM services for <u>the full scope of</u> construction from Asan to Hagatna. However, construction funding limited award of the construction contract to include sewer rehabilitation from Asan to the Asan Pump Station which became Phase I <u>of the project</u>. Thus, the original award to DCA was based on Phase I scope of work.

GWA identified funds to construct Phase II (from the Asan Pump Station to the Hagatna Area) including CM budget. A construction contract for Phase II resulted in competitive bids and an award for construction is imminent. GWA requires the CM services and the contract with DCA may be amended to include CM services for Phase II based on its original scope of work.

Where is the location?

This project is located in the villages of Asan, Adelup, and Hagatna, along Route 1, from the Asan Pump Station to Adelup and toward Hagatna. Construction activities will be limited to the government easements of the sewer infrastructure elements.

How much will it cost?

The construction management services contract value relative to Phase II construction will be added to the original awarded amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars and Forty-Five Cents (\$957,671.45) associated with the maximum amount anticipated for Phase I. The additional amount includes construction management, inspection, and project coordination services during Phase II construction for the amount of Five Hundred

Seventy-One Thousand Five Hundred Fifty Dollars (\$571,550.00), plus a five percent (5%) contingency of Twenty-Eight Thousand Four Hundred and Fifty Dollars (\$28,450.00), for a total amount of Six Hundred Thousand Dollars (\$600,000.00). The amended contract amount will therefore be One Million Five Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars and Forty-Five Cents (\$1,557,671.45). This contract amount will be based on a Lump Sum basis with specified testing elements on a Time and Materials basis.

When will it be completed?

The contract duration is anticipated to be 425 calendar days after an NTP is issued to the construction contractor. The construction management services will be for the full duration of the construction project. Completion date is estimated to be in February 2022.

DCA will be managing construction of two projects concurrently, one being the continuation of Phase I construction until it is completed, the second being the initiation of and activity on Phase II construction.

What is the funding source?

The funding for this project will be from USEPA Grants and, if necessary, GWA Bond Funds.

The RFP/BID responses (if applicable):

N/A



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

GWA RESOLUTION NO. 04-FY2021

RELATIVE TO APPROVAL OF A CHANGE ORDER FOR A CONSTRUCTION MANAGEMENT CONTRACT FOR PHASE II OF THE ASAN-ADELUP-HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT \$15-002-EPA

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

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

WHEREAS, GWA has received a grant from the United States Environmental Protection Agency ("USEPA") under the State Revolving Fund ("SRF") program to improve the sewer collection system, which included the gravity sewer line along Route 1, from the Asan "War in the Pacific" National Historical Park to the Agana Main Pump Station; and

WHEREAS, the segments of gravity sewer line indicated is deteriorating and has experienced collapses, bellies in the sewer line, offsets, and sections of missing or badly corroded pipe, and the intent of this project is to rehabilitate, repair or replace these sections; and

WHEREAS, GWA procured construction management (CM) services through Request for Proposal No. RFP-04-ENG-2017 that included CM services for the Rt.1 Sewer Line Rehabilitation and Replacement Project from Asan to Hagatna; and

WHEREAS, due to funding limitations, the full scope of work for construction of the Rt.1 Sewer Rehabilitation and Replacement Project was divided into phases such that Phase I construction was awarded to InfraTech International LLC for Phase I, from Asan to the Asan

1	Pump Station, through Invitation for Re-Bid No. IFB-11-ENG-2017 (GWA Project No. S15-
2	002-EPA) and Phase II, from the Asan Pump Station to Adelup and toward Hagatna, was
3	recently advertised through Invitation for Bid no. IFB-06-ENG-2020 (GWA Project No. S15-
4	002-EPA); and
5	
6	WHEREAS, GWA selected Duenas, Camacho & Associates, Inc. (DCA) for the CM
7	Services, and negotiated with DCA for Phase I in the amount of amount of Eight Hundred
8	Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41); and
9	
10	WHEREAS, by Resolution No. 30-FY2018, see Exhibit A, the CCU authorized
11	awarding the CM services contract to DCA and CM services was contracted to DCA for a
12	maximum amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars
13	and Forty-Five Cents (\$957,671.45) which included Eighty-Seven Thousand Sixty-One Dollars
14	and Four Cents (\$87,061.04) for contingencies; and,
15	
16	WHEREAS, GWA and USEPA agree that efforts to rehabilitate, repair or replace these
17	sewer lines are necessary and the proceeding order to accomplish such task is through services
18	that include construction management; and
19	
20	WHEREAS, GWA is preparing to award a contract to the lowest responsive and
21	responsible bidder under the Phase II IFB; and,
22	
23	WHEREAS, GWA requires CM services for Phase II construction and has negotiated a
24	fair and reasonable fee for such services from DCA under the scope of work advertised under
25	Request for Proposal No. RFP-04-ENG-2017; and,
26	
27	WHEREAS, GWA management is requesting to amend the DCA contract to provide
28	construction management services for Phase II in the amount of Five Hundred Seventy-One
29	Thousand Five Hundred Fifty (\$571,550.00), see Exhibit B, including a contingency amount of
30	Twenty-Eight Thousand Four Hundred Fifty Dollars (\$28,450.00), for a total amount of Six
31	Hundred Thousand Dollars (\$600,000.00); and,
	2

		ject will be from the USEPA State Revolving Fund a
if ne	cessary, GWA Bond funds.	
	NOW BE IT THEREGOE D	EGOLVED 4 C 1114 1 C 11 TUT
1		ESOLVED , the Consolidated Commission on Utility
aoes	hereby approve the following:	have harshy constitute the findings of the CCVI
		bove hereby constitute the findings of the CCU.
		the terms of the fee proposal submitted by DCA are to
	and reasonable (See Ex	the terms of the conditions set by GWA relative
		ork activities are fair and reasonable and serve as
		surance/Quality Control (QA/QC).
	•	norizes the management of GWA to execute a Char
	•	with DCA in the amount of Six Hundred Thousa
	Dollars (\$600,000.00).	
	5. The CCU hereby furth	ner approves the total funding for the CM contract w
	DCA in the amount of	f One Million Five Hundred Fifty-Seven Thousand
	Hundred and Seventy-	One Dollars and Forty-Five Cents (\$1,557,671.45).
	RESOLVED, that the Chairman	certified, and the Board Secretary attests to the adopt
of th	is Resolution.	
	DULY AND REGULARLY AD	OPTED , this 24 th day of November 2020.
	Certified by:	Attested by:
	JOSEPH T. DUENAS	MICHAEL T. LIMTIACO
	Chairperson	Secretary
//		
//		

1	SECRETARY'S CERTIFICATE
2	I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on
3	Utilities as evidenced by my signature above do hereby certify as follows:
4	The foregoing is a full, true and accurate copy of the resolution duly adopted at a
5	regular meeting by the members of the Guam Consolidated Commission on Utilities,
6	duly and legally held at a place properly noticed and advertised at which meeting a
7	quorum was present and the members who were present voted as follows:
8	
9	AYES:
10	NAYS:
11	ABSENT:
12	ABSTAIN:
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EXHIBIT A



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

RESOLUTION NO. 30-FY2018

RELATIVE TO APPROVAL OF A CONSTRUCTION MANAGEMENT CONTRACT FOR THE ASAN-ADELUP-HAGATNA. ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT S15-002-EPA

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

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

WHEREAS, GWA has received a grant from the United States Environmental Protection Agency ("USEPA") under the State Revolving Fund ("SRF") program to improve the sewer collection system, which included the gravity sewer line along Route 1, from the Asan "War in the Pacific" National Historical Park to the Agana Main Pump Station; and

WHEREAS, the segments of gravity sewer line indicated is deteriorating and has experienced collapses, bellies in the sewer line, offsets, and sections of missing or badly corroded pipe, and the intent of this project is to rehabilitate, repair or replace these sections; and

WHEREAS. GWA procured engineering design services through RFP-02-ENG-2015 that included general civil engineering, geotechnical engineering, and archeological investigation for wastewater collection system evaluation, analysis and detailed design; and

WHEREAS, the professional engineering design services have been completed by HDR Engineering, Inc. through contract, which was signed on December 10, 2015, and all rendered design documents have been accepted by GWA in May 2017; and

 WHEREAS, GWA and USEPA agree that efforts to rehabilitate, repair or replace these sewer lines are necessary and the proceeding order to accomplish such task is through services that include construction management; and

WHEREAS, GWA has advertised the Request for Proposal (RFP-04-ENG-2017) dated March 30, 2017, soliciting statement of qualifications from experienced and qualified engineering firms to provide construction management services for the ASAN-ADELUP-HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT; and

WHEREAS, RFP packages were downloaded by multiple interested parties, from which GWA received proposal submittal from eight (8) engineering firms before the RFP submittal deadline; and

WHEREAS, the GWA A-E Selection Committee reviewed and evaluated the eight (8) proposals (see EXHIBIT A-Evaluation Score) and generated a short list of the top three (3) firms with a recommendation to award a contract to the firm DUENAS, CAMACHO & ASSOCIATES, INC. ("DCA") and any successor at interest thereto (see EXHIBIT B- GM Determination); and

WHEREAS, GWA advertised the initial Invitation to Bid (IFB-06-ENG-2017) for the construction of this project on May 12, 2017, and received no responsive and responsible bidders; and

WHEREAS, GWA advertised a second time, with the Invitation to Re-Bid (IFB-11-ENG-2017) on October 31, 2017, and again received no responsive and responsible bidders; and

WHEREAS, Following the second attempt, GWA revised the bid documents and Bid Form to include two separate, independent Bid Schedules, Bid Schedule A and Bid Schedule B, with Bid Schedule A being primarily repairs by Cured-In-Place-Pipe installation, and Bid Schedule B being repairs entirely by Open Cut and Replacement; and

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WHEREAS, GWA advertised the next Invitation to Re-Bid (IFB-05-ENG-2018) on May 4, 2018, with the two revised Bid Schedules; and

WHEREAS, Bid Schedule A will be opened first, and if bids should be opened and found to be responsive and responsible, the lowest responsive and responsible bid will be selected; and

WHEREAS, if no Contractors submit for Bid Schedule A, Bid Schedule B will then be opened, and the lowest responsive and responsible bid will be selected from Bid Schedule B; and

WHEREAS, DCA and GWA negotiated the price for the construction management services to be provided if either Bid Schedule A or Bid Schedule B is selected; and

WHEREAS, If Bid Schedule A is selected, the construction management services with DCA will be in the amount of Six Hundred Eighty-Three Thousand Nine Hundred Thirty-One Dollars and Thirty-Four Cents (\$683,931.34) on a Time and Materials basis (See EXHIBIT C – Fee Proposal); and

WHEREAS, If Bid Schedule B is selected, the construction management services with DCA will be in the amount of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41) on a Time and Materials basis (See EXHIBIT C – Fee Proposal); and

WHEREAS, GWA Management seeks approval of the fee proposal for the Scope of Work relative to the construction Bid Schedule B, which includes construction management, inspection, and project coordination services during construction of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41), plus a ten percent (10%) contingency of Eighty-Seven Thousand Sixty-One Dollars and Four Cents (\$87,061.04), for a total amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars and Forty-Five Cents (\$957,671.45); and

WHEREAS, funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA Bond funds applicable to the project; and

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.
- The CCU finds that the terms of the fee proposal submitted by Duenas, Camacho & Associates, Inc. (DCA) are fair and reasonable.
- The CCU finds that the terms of the conditions set by GWA relative to commencement of work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
- 4. The CCU hereby authorizes the management of GWA to enter into a contract with DCA in the amount of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41) (EXHIBIT C).
- 5. The CCU hereby further approves the total funding amount for this project of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41), plus a ten percent (10%) contingency of Eighty-Seven Thousand Sixty-One Dollars and Four Cents (\$87,061.04), to bring the total authorized funding amount to a maximum of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars and Forty-Five Cents (\$957,671.45).

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

DULY AND REGULARLY ADOPTED, this 22nd day of May 2018.

Certified by:

JOSEPH T. DUENAS

Chairperson

Attested by:

J. GEORGE BAMBA

Secretary

SECRETARY'S CERTIFICATE

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:

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May 19, 2017

To:

Thomas F. Cruz, P.E., Chief Engineer

From:

Gloria P. Bensary W. S. W.

Chairperson, Consultant Selection Board

Subject:

RFP-04-ENG-2017

Construction Management Services for the Asan-Adelup-Hagatna, Route 1

Sewerline Rehabilitation and Replacement

GWA Project No. S15-002-EPA

The following information is intended to document the evaluation process undertaken for the referenced solicitation.

EVALUATION COMMITTEE MEMBERS									
Name	Title								
Clinton Huntington II	Senior Engineer								
Rylma Carino	Junior Engineer								
Anthony Chargualaf	Operations Manager								
George Watson	Brown & Caldwell, PMO								

	on Scor	Total	Rank
75	81	330	4
86	86	324	5
70	80	315	7
70	81	316	6
90	92	356	1
85	90	349	2
66	74	294	8
89	86	339	3
	92 90 74	90 85 66	90 356 85 349 66 294

Scores were evaluated based on sum of the individual scores. The recommendation of the evaluation committee is shown in the ranking above.

Please review and approve at your earliest convenience so that we may proceed with the notification letters.

Exhibit A (2 of 2)



"Better Water. Better Lives."
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO:

Thomas F. Cruz, P.E., Chief Engineer

FROM:

Gloria P. Bensan

SUBJECT:

CM Selection

DATE:

May 18, 2017

Per our discussion with the General Manager and Legal Counsel on May 15, 2017, the CM selection team reconvened on May 16, 2017 at 2:30 pm to discuss the merits of evaluation for each proposal submitted for the following projects:

1. Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement

2. Route 2 War in the Pacific National Park Sewerline Rehabilitation and Replacement

Each selection committee reviewed the RFP proposals and reevaluated them based on the predetermined set of criteria. Committee members obtained reasonable, rational and consistent basis for their scores in comparison to the evaluation criteria outlined in the solicitation documents and determined the final ranking of proposers as shown in the attached evaluation summary.



GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives." Gloria B. Nelson Public Service Building 688 Route 15, Mangilao, Guam 96913

MEMORANDUM

То:	Miguel C. Bordallo, P.E., General Manager
From:	Thomas F. Cruz, P.E., Chief Engineer
Subject:	RFP-04-ENG-2017 Construction Management Services for the Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement GWA Project No. S15-002-EPA
Date:	May 19, 2017
consultant for	Committee has completed all necessary actions for selecting the most qualified the referenced solicitation. All proposals were reviewed and scored according to established in the solicitation. The evaluation summary sheet is attached for your
The committe project:	e recommends the following top three (3) firms in order of preference for the
	enas, Camacho & Associates Engineers, PC COM
Concurred: VINCENT E. C Supply Manag	GUERRERO Date Date
	GENERAL MANAGER'S DETERMINATION
Consultant Fir	m Selected:
DUENA	s campato of fessor.
Remarks:	
	12mm 1

Date

MIGUEL C. BORDALLO P.E.

General Manager



Exhibit C (1 of 9)

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

April 23, 2018

Guam Waterworks Authority Engineering Division, Room 202 Gloria B. Nelson Public Service Building 688 Route 15, Mangilao, GU 96913

Attention: Mr. Thomas F. Cruz, Chief Engineer, GWA / George Watson, Brown & Caldwell

Subject: GWA RFP-04-ENG--2017, Construction Management Services for

Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and

Replacement, GWA Project No. S15-002-EPA

Re: Revised Fee Proposal Related to Bid Schedules A and B

Hafa Adai:

Duenas, Camacho & Associates, Inc. is pleased to submit this *revised* fee proposal for GWA RFP-04-ENG-2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA. The revisions and updates include the following:

- 1. Fee estimates for:
 - a. CM Services under Base Bid Schedule A CIPP Rehabilitation of Existing Sewer Lines
 Revised Fee Estimate: \$683.931.34 including a \$10,000 Time & Material allowance for Material
 Testing
 - b. CM Services under Base Bid Schedule B— Cut and Cover Construction of New Sewer Lines
 Fee Estimate: \$654,143.21 including a \$20,000 Time & Material allowance for Material Testing
 Revised estimate for Bid Schedule B attached.
- 2. 2018 (current) DCA Personnel Labor and OH Rates
- 3. A GRT Tax Rate of 5% (recently enacted into law)

Our revised fee estimates for construction management services for each Bid Schedule are supported by the following:

- Detailed Fee Breakdown showing an estimate of effort and expenses
- Exhibit A Estimated expenses for DCA and CH2M submitted earlier (no change)
- Deletion of Secure Safe Solutions for video surveillance (as requested by GWA)

As indicated in our Proposal submitted in response to the subject RFP, DCA will retain CH2M (our CM Team CIPP Specialist) if a Construction Contract is awarded under Base Bid Schedule A – CIPP Rehabilitation of Existing Sewer Lines. Geo-Engineering & Testing Inc. will provide geotechnical consultation and quality assurance material testing services. The cost for video surveillance by Secure Safe Solutions has been removed at GWA's request.

The estimate of CM effort is based on the following assumptions:

- 1. The Scope of CM services and tasks as described in the RFP;
- 2. Base Bid Schedules A and B as described in the amended Bid Form provided to DCA;
- 3. Project construction duration of 450 calendar days;
- Full-time resident inspection and supplementary inspection (25% of resident inspection effort for CM Services under Base Bid Schedule A and 50% of resident inspection effort for CM services under Base Bid Schedule B);

ENGINEERING * PLANNING * SURVEYING * ENVIRONMENTAL SERVICES * GEOGRAPHIC INFORMATION SYSTEM * CONSTRUCTION MANAGEMENT GUAM P.O. Box 8900, Tamuning, Guam 96931/238 E. Marine Corps Drive, Suite 201 Diamond Plaza, Hagatña, GU 96910-5194 Tel: (671) 477-7991/Fax: (671) 479-6315 SAIPAN PMB 164, Box 10000, Saipan, MP 96950/Island Commercial Ctr., Chalan Pale Arnold Road, Gualo Rai, Saipan 96950 / Tel: (670) 234-9017/Fax: (670) 234-3842

Exhibit C (2 of 9)

April 23, 2018

- 5. Part-time CM support by our CIPP Specialist from CH2M under Base Bid Schedule A;
- 6. Current (2018) DCA personnel rates (loaded).

We look forward to negotiations.

Sincerely,

//Signed
JOHN P. DUENAS, P.E.
President
Enclosures

Exhibit C (3 of 9)

Consolidated Fee Estimate

EXHIBIT A - BASE BID SCHEDULE A DCA EXPENSES

	IS, CAMACHO & ASSOCIATES, INC ANAGEMENT SERVICES FOR ASAN-ADELUP-HA	REHAE		ONSTRUCTION		
	CM Inspection Related Expenses	Unit	Quan	Rate		Cost
1	Miscellaneous Expenses	LS	Quan	Rate	Ś	500.0
2	Mileage (Inspection)	mi	3200	\$ 0.33	\$	1,161.6
3	Mileage (miscellaneous)	mi	2800	\$ 0.33	\$	1,016.4
4	Pictures, video, etc.	LS			\$	250.
5	Reproduction	LS			\$	3,500.
6	Communications, etc.	LS			\$	500.
7	Miscellaneous Survey Materials	LS			\$	250.
		GRT	5.25%		\$	376.
			DCA EX	PENSES	\$	7,554.8

CH2M EXPENSES

CH2 M/	2M ANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA REPLACEMENT, GWA PI				STRUCTION STION AND
		Unit	Quan	Rate	Cost
1	Travel expenses for CH2M CIPPSpec Site Visit		3	\$ 3,000.00	\$ 9,000.00
2	Lodging (28 days total)	Days	28	\$ 215.00	\$ 6,622.00
3	Meals	Days	28	\$ 75.00	\$ 2,310.00
4	Rental Car	Days	28	\$ 50.00	\$ 1,540.00
5	Misc. Expenses	Trip	3	\$ 100.00	\$ 330.00
	Subtotal				\$ 19,802.00
			CH2M E	KPENSES	\$ 19,802.00

Exhibit C (4 of 9)

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_		_	1		GWA F	PROJECT 140. S	15-002-EPA	Date than C	ameriko & Atr	nclates, Inc. gr	CAG						CH2N		_	10.		
4			1		-							-					CHZM			100 miles	Sandy Areas	E-W Respons
								SCHEE	ULE A - B	ASE BID: C	IPP				200				St. 12	/- //2		
Task No.	Yask Description		Principal in Charge	CM	R roject Construction Manager	Shealderd Construction frespector	Core buction inspector (Supplementary)	Civit Engineer (Cit Support)	Staff Engineer (CM Support)	Engineering Technicien (CM Support)	Chef Enricemental Belenbet	3 dan Graw	Chief Surveyor	Administrative As shits rit (CM Sheport)	TOTALS	CHZM Project Manager (CM Support)	CRZM Project Engineer (CIPP CC Spectablet)	CAZM Administrative	TOTALS	Principal Geolechelcal Engineer	Staff Engineer	Advisitority Assisted
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3	Review & Processing of Payment Requests Conduct Project Me	-	0		0 60	0	0	0	0	0	0	0	0	15	\$7,745.50	1.5	- 11	1.5	\$1,323.14		- 1	So o
5	Pre-construction Community	<u> </u>	0		4 4	0	0	0	0	0	0	0	0	1	\$7,217.60 \$0,157.24	0	0	0	50 00E	-	_	\$0.00 \$0.00
6	Progress Meetings	=	. 0		0 30			0	0		0	0	0	15	24.409.70	0	1.0	0	50.00	1		50.00
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	Requests for Information	+	0		0 30	0	0	0	0	0	0	0	0	3	\$3,217.40	1.2	12	1.2	\$2.00 \$2.858.810	-	_	\$0.00 \$0.00
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Exhibit C (5 of 9)

Task No.	Task Description		Principal in Charge	Constitution Manager	Project Construction	Resident Construction maperizer	Construction inspector (Supplementary)	Chril Engineer (CM Support)	Staff Ergieser (CM Support)	Engineering Technician (GM Bupport)	Chief Environmental Scientist	3 Man Cress	Charles Surveyor	Mondoletrative Assistent Clit Support)	TOTALS	CHZM Project Manager (CM Support)	CHQM Project Enginer		POM Administrative	OTALS	Threepal Codestanical	tell Engineer	Owinterebre Assistant	
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		2	19,802 00	>	88.548 25	5	108,350 25	Exhibit A													COST SUM N	ARY		
	robiningering & Testing Inc. (Consultation)			\$	3.740.00	S	3,740.00		Item No.	Cattiggery	ro/Cost		Estimat	ed Cost				DCALABO	A .			5		346.042.0
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																			_		BTOTAL	\$	6	73,931.34
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Exhibit C (6 of 9)

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

Guam Waterworks Authority Engineering Division, Room 202 Gloria B. Nelson Public Service Building 688 Route 15, Mangilao, GU 96913

Attention: Mr. Thomas F. Cruz, Chief Engineer, GWA / George Watson, Brown & Caldwell

Subject: GWA RFP-04-ENG--2017, Construction Management Services for

Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and

Replacement, GWA Project No. S15-002-EPA

Re: Revised Fee Proposal Related to Bid Schedule B

Hafa Adai:

Duenas, Camacho & Associates, Inc. is pleased to submit this *revised* fee proposal for GWA RFP-04-ENG-2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA. The revisions address the following changes:

- Fee estimate for CM Services under Base Bid Schedule B Cut and Cover Construction of New Sewer Lines based on the projected Construction Contract Completion Period from 450 to 650 calendar days.
 Fee Estimate: \$870,610.41 including a \$20,000 Time & Material allowance for Material Testing
- 2. 2018 (current) DCA Personnel Labor and OH Rates
- 3. A GRT Tax Rate of 5% (recently enacted into law)

Our revised fee estimate for construction management services for Base Bid Schedule B is supported by the attached detailed fee breakdown showing an estimate of effort and expenses for a construction period of 650 calendar days and the *deletion* of Secure Safe Solutions for video surveillance (as requested by GWA). Geo-Engineering & Testing Inc. will provide geotechnical consultation and quality assurance material testing services.

The estimate of CM effort is based on the following assumptions for Base Bid Schedule B:

- 1. The Scope of CM services and tasks as described in the RFP;
- 2. Base Bid Schedule B as described in the amended Bid Form provided to DCA;
- 3. Revised projected construction duration of from 450 to 650 calendar days;
- 4. Full-time resident inspection and supplementary inspection of 50% of the resident inspection effort;
- 5. Current (2018) DCA personnel rates (loaded).

We look forward to negotiations.

Sincerely,

//Signed
JOHN P. DUENAS, P.E.
President

Enclosures

ENGINEERING * PLANNING * SURVEYING * ENVIRONMENTAL SERVICES * GEOGRAPHIC INFORMATION SYSTEM * CONSTRUCTION MANAGEMENT GUAM P.O. Box 8900, Tamuning, Guam 96931/238 E. Marine Corps Drive, Suite 201 Diamond Plaza, Hagatña, GU 96910-5194 Tel: (671) 477-7991/Fax: (671) 479-6315 SAIPAN PMB 164, Box 10000, Saipan, MP 96950/Island Commercial Ctr., Chalan Pale Arnold Road, Gualo Rai, Saipan 96950 / Tel: (670) 234-9017/Fax: (670) 234-3842

Consolidated Fee Estimate

Exhibit C(7 of 9)

EXHIBIT A - BASE BID SCHEDULE B

DCA EXPENSES

- 1	CM Inspection Related Expenses	Unit	Quan	100	Rate	Cost
1	Miscellaneous Expenses	LS				\$ 500.00
2	Mileage (Inspection)	mi	4650	\$	0.33	\$ 1,687.95
3	Mileage (miscellaneous)	mi	3150	\$	0.33	\$ 1,143.45
4	Pictures, video, etc.	LS				\$ 250.00
5	Reproduction	LS				\$ 3,500.00
6	Communications, etc.	LS				\$ 500.00
7	Miscellaneous Survey Materials	LS				\$ 500.00
		GRT	5.25%			\$ 424.27

CH2M EXPENSES

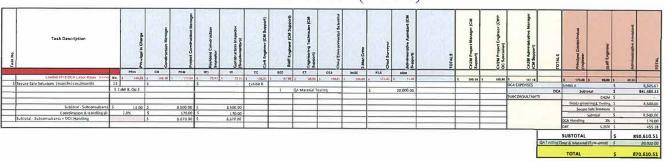
	CH CONSTRUCTION MANAGEMENT SERVICES FOR REHABILITATION AND REPLACEME					ERLIN	E
		Unit	Quan		Rate		Cost
1	Travel expenses for CH2M CIPPSpec Site Visit		0	\$	3,000.00	\$	-
2	Lodging (28 days total)	Days	0	\$	215.00	\$	-
3	Meals	Days	0	\$	75.00	\$	-
4	Rental Car	Days	0	\$	50.00	\$	<u>-</u>
5	Misc. Expenses	Trip	0	\$	100.00	\$	-
	Subtotal					\$	<u>-</u>
			CH2M E	KPEN	NSES	\$	-

Exhibit C (8 of 9)

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No.	Task Description		aped in Charge	Profiler Menager	Construction Measure	brit Communition	truction impactor	Engineer (CM Support)	Engineer (CM Support)	weing Technician (CM	Endumental Scientist	Crew	Barrayas	ori)	STV STV	Project Manager (CM	Project Engineer (CIPP pecahlet)	Administrative Manager lupport)	91	pal Geographysical	seember.	date offer A solutions	
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6	Other Meetings	-			4		0	0		0	- 4	- 1	- 4	15	35,890.2 %	0	0	- 0	\$0.00				50 O
8	Assembly Coordination	-	- 1	- 1	14			0	- 1	0	- 1	- 1	- 0	-	\$2,5911	0	0		\$0 18				50.0
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Exhibit C (9 of 9)



800 AM

EXHIBIT B



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

November 6, 2020

Miguel C. Bordallo, P.E. General Manager, Guam Waterworks Authority Gloria B. Nelson Public Service Building 688 Route 15 Mangilao, Guam, 96913

Attn: John Riegel P.E., Brown & Caldwell Project Manager

Subject: RFP 04-ENG-2017, GWA S15-002-EPA, Asan-Adelup-Hagatna – Route 1 Sewer

Rehabilitation and Replacement

Ref: Change Order for Construction Management Services for the Asan-Adelup-

Hagatna - Route 1 Sewer Rehabilitation and Replacement - Phase II

Hafa Adai Mr. Riegel,

At the request of GWA, Duenas, Camacho and Associates (DCA) is submitting this change order proposal for the referenced services. This change order is intended to provide services for Phase II of the subject project in accordance with DCA's construction management services contract with GWA dated July 31, 2018. The construction duration used for this proposal is 425 calendar days. The fee for this change order proposal is: \$571,550.

Sincerely,

Kenneth M. Rekdahl, P.E.

Vice-President

Dueñas, Camacho & Associates, Inc.

Att:

Fee Breakdown

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Duenas, Camacho and Assocait

Option 1

Year 1 ACV: 4.2 million	
Name	Price
Project Management Pro	\$7,925
Quality & Safety	\$2,510
Total	\$10,435
Total Price: \$10,435	
Year 1 ACV: 4.2 million Was if the contract was executed	
earlier this year	Price
Project Management Pro	\$6,700
Quality & Safety	\$2,250
Total	\$8,950
Total Price: \$8,950	

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Connect the entire business process from bidding to closeout with every member of your team working together in the same system.

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Everyone's digits, under the control of yours.

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DOCUMENTS

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With over 150 partner solutions in our App Marketplace, connect with what works best for you—even if we don't build it.

⁻ PROJECT MANAGEMENT



Project Management Pro

RFI software to remind, record, and remove excuses.

* Excluding Invoice Management, Design Coordination and BIM.

Capture everything you need to report to the office.

DRAWINGS

Revisions won't need markers, scissors, sticky notes, or tape.

TIMECARD

Fast time tracking for the project management team.

SUBMITTALS

Don't let inaccuracy sink your projects.

MEETINGS

Manage all aspects of your project meetings.

PUNCH LIST

Streamline construction with punch list software.

PHOTOS

Capture your questions, skills, and results in a snap.

SPECIFICATIONS

Intelligent Spec Management-save time while doing more.

SCHEDULE

Minimize confusion with integrated scheduling.

EMAILS

Open your inbox to everything you need to know.

TRANSMITTALS

Don't lose sleep over your important documents.



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^{*}Project Management Starter is also available - includes RFIs, Daily Log, Drawings, Punch List, Photos and Specifications.

- PROJECT MANAGEMENT-



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INSPECTIONS

Proactively identify hazards before they injure more than your reputation.

OBSERVATIONS

Track, assign, and report upon multiple types of observations and corrective actions on the fly.

INCIDENTS

Digitally capture and manage incidents easily and accurately.

Design Coordination

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Identify and resolve constructability issues prior to construction.

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Capture everything you need to report to the office.

Simple to complex fillable PDF forms at your fingertips.

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Minimize confusion with integrated scheduling.

Capture your questions, skills, and results in a snap.

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COMMITMENTS

Real-time statuses and values of all contracts and purchase orders.

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Avoid profit erosion with accurate, configurable budgets.

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*Accounting Integrations available - additional fees apply.

SUBCONTRACTOR INVOICING

Empower the trades to be proactive about monthly invoices.



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- PRECONSTRUCTION



🎸 Prequalification

PREQUALIFICATIONS

Manage the entire qualification process from forms to approvals.

PREQUALIFICATION PORTAL

Complete and submit qualification forms on a secure online platform.

Bid Management

BIDDING

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PLANROOM

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Document and track out-of-scope work to get paid for everything you do.

Add, group, and edit crews—with one mobile, flexible tool.

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Fast time tracking for the project management team.

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Compare budgeted versus actual quantities to see percentage complete against each cost code.

— PLATFORM



PROCORE ANALYTICS

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DATA EXTRACT

Extract and combine data from Procore and across your tech stack.



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

Tel: (671) 300-6846

Issues for Decision

Resolution No. 05-FY2021

Relative to the Creation of the Assistant General Manager- Engineering (AGME) (Unclassified) Position at the Guam Waterworks Authority.

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

The creation the Assistant General Manager – Engineering (AGM-E) job standards and salary range based on the 20th market percentile, 2017 market data; to support the Authority's planning, engineering and permitting functions, as well as to enhance engineering support for daily operations within the Water and Wastewater Divisions; to provide effective and efficient delivery of GWA's Capital Improvement Program for continual infrastructure renewals and replacements needed to support the delivery of safe drinking water and wastewater services to the community.

In line with adopted CCU objectives for enhanced management structure, the Authority currently employs one Assistant General Manager for Compliance & Safety, one Assistant General Manager – Administration & Support, and an (interim) Assistant General Manager – Operations. The engineering and planning divisions are led by the Chief Engineer (Acting). The General Manager is requesting to replace the currently vacant Chief Engineer position with the Assistant General Manager – Engineering position which will elevate the level of accountability, performance and responsibility over the engineering, planning, permitting and related functions of the utility, as are present for the Operations, Compliance & Safety, and Administrative functions. The position will report directly to the General Manager.

Where is the location?

The Assistant General Manager – Engineering (AGME) (Unclassified) position will be organizationally located within the General Manager's, under the general direction of the General Manager and the Consolidated Commission on Utilities Board.

How much will it cost?

There is no cost to create the position.

When will it be completed?

Public Law 28-159, Section 7.0.3 (c) requires GPA and GWA to post a petition on their websites for ten (10) days (not including Saturdays, Sundays and government of Guam holidays. GWA has met the posting requirements and the position creation can be acted upon by the CCU at the November 24, 2020 meeting.

What is the funding source?

GWA will certify funding for the position available for the filling and retention of its certified, technical and professional newly created position. The funding of this position does not have an impact on the General Fund.

The RFP/BID responses (if applicable):

N/A



CONSOLIDATED COMMISSION ON UTILITIES

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

RESOLUTION NO. 05-FY2021

RELATIVE TO THE APPROVAL OF THE CREATION OF THE ASSISTANT GENERAL MANAGER -ENGINEERING (AGME) (UNCLASSIFIED) JOB CLASSIFICATION STANDARD

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 GWA General Manager requests the CCU to approve the creation of the Assistant General Manager – Engineering (AGME) (Unclassified) position (Exhibit A); and

WHEREAS, the GWA General Manager requests the CCU to approve the job classification standards of the Assistant General Manager – Engineering (AGME) position in the unclassified status; and

WHEREAS, Public Law 34-131, Section 2, §6303(e) as added and 4 GCA §6303 (d) & (2C) authorizes the creation of positions in Autonomous Agencies and Public Corporations; and

WHEREAS, GWA Personnel Rules and Regulations as amended by Public Law 28-159 Section 3 (C) authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions;

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, as the Governing Body of the Guam Waterworks Authority, does hereby approve and authorize the following: 1. The recitals set forth above hereby constitute the findings of the CCU. 2. The creation of the job classification standard for the Assistant General Manager - Engineering (AGME) (Unclassified) position in the classified status is hereby approved and attached herein as Exhibit A. 3. The Assistant General Manager – Engineering (AGME) (Unclassified) position is hereby added to the certified, technical and professional (CTP) list of positions and testing designated positions (TDP) list at GWA. RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution. **DULY AND REGULARLY ADOPTED**, this 24th day of November 2020. Certified by: Attested by: **JOSEPH T. DUENAS** MICHAEL T. LIMTIACO Chairperson Secretary 2.5

SECRETARY'S CERTIFICATE I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows: The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows: AYES: NAYS: ABSENT: ABSTAIN: ///





"Better Water. Better Lives."
Suite 200; Gloria B. Nelson Public Service Building
688 Route 15 * Mangilao, Guam 96913
P.O. Box 3010 * Hagatna, Guam 96932

Tel. No. (671) 300-6073-6 * Fax No. (671) 300-6896

PETITION

The General Manager of Guam Waterworks Authority (GWA) hereby petitions the Consolidated Commission on Utilities (CCU) for the creation and amendment of the job classification standard of positions pursuant Public Law 34-131, §(e) as added and 4 GCA §6303 (d) & (2C) authorizes the creation of positions in Autonomous Agencies and Public Corporations; and, 5GCA, Chapter 10, Article 1 (Sunshine Law) and P.L. 28-159 to add the position to the Certified, Technical, and Professional (CTP) List in the unclassified service:

Assistant General Manager – Engineering (Unclassified)

For more information, please visit GWA's website at www.guamwaterworks.org/careers/petition or you may contact the Human Resources Division at 300-3076-6.

MIGUEL C. BORDALLO, P.E.

MONTH

General Manager

Justification for the new position:

To create the Assistant General Manager – Engineering (AGM-E) job standards and salary range based on the 20th market percentile, 2017 market data; to support the Authority's planning, engineering and permitting functions, as well as to enhance engineering support for daily operations within the Water and Wastewater Divisions; to provide effective and efficient delivery of GWA's Capital Improvement Program for continual infrastructure renewals and replacements needed to support the delivery of safe drinking water and wastewater services to the community.

In line with adopted CCU objectives for enhanced management structure, the Authority currently employs one Assistant General Manager for Compliance & Safety, one Assistant General Manager – Administration & Support, and an (interim) Assistant General Manager – Operations, while the engineering and planning divisions of as much importance are currently functioning with a Chief Engineer (Acting) at the helm. The General Manager is requesting the creation of this Assistant General Manager – Engineering position to assign the same level of accountability, performance and responsibility over the engineering, planning, permitting and related functions of the utility, as are present for the Operations, Compliance & Safety, and Administrative functions, thus enhancing effective operation and responsiveness, consolidating communications directly with the General Manager while at the same time, impacting effectiveness of Supervising Senior Engineers and Managers, who are responsible for capital improvements, capital maintenance, construction and permitting services to enhance our water and wastewater systems.

Analysis of similarities and differences between the positions to be created and the positions listed pursuant to 4GCA §4101.1:

Upon conducting an analysis of similarities and differences, management has determined the requirements of the Chief Engineer position is similar to the Assistant General Manager – Engineering, but that a Water/Wastewater Operator's Certification Level IV is a preferred special qualification as the Authority progresses in making engineering support in operations a priority for improved performance. As compared to other Assistant General Manager positions, the possession of a college degree and Professional Engineer License is required to qualify for the position. Therefore, it is management's petition to create the job standard and qualification requirements of the Assistant General Manager – Engineering (AGM-E) position to meet CCU adopted objectives and the continuous improvement of the Authority's operations.

Position Description: See attached

Compensation:

The minimum and maximum salary range follows the Strategic Pay Methodology based on the 20^h market percentile; 2017 market data for this unclassified, certified, technical and professional position and comparable with other US jurisdictions and/or the American Waterworks Association (AWWA) salary surveys as follows:

Benchmark Position	Year	Implementation Ranges @ 20th Market Percentile (2017 Market data) - 5 Spread								
		JE Points	Structural Adjustment - MIN				Structural Adjustment - MAX			
		0	Base Salary	Grade	Step	Sub Step	Base Salary	Grade	Step	Sub Step
Assistant General Manager – Engineering	2017	1514	\$144,772	R	5	А	\$150,650	R	6	А

Fiscal note as required by 2GCA §9101 et seq.:

GWA certifies that this position is budgeted, and that funding is available for the recruitment and retention of the amended certified, technical and professional position. The funding of this position does not have an impact on the General Fund.

MIGUEL C. BORDALLO, P.E.

General Manager

Assistant General Manager – Engineering (AGME) (Unclassified)

NATURE OF WORK IN THIS CLASS:

The Assistant General Manager of Engineering (AGM-E) serves under the direction of the General Manager. This is a complex work involving in the planning, permitting, organizing, coordinating, design, construction inspection, construction management, and operations support including the preventive and corrective maintenance and repair of facilities to ensure systems meet high level compliance with water and wastewater standards for Guam Waterworks Authority (GWA) water and wastewater facilities.

The AGM-E is responsible and accountable to the Guam Waterworks Authority's General Manager for the effective planning, design, construction and post-construction engineering support of all facilities required to conduct operations to meet the established levels of service for all customers, in accordance with the Guam Safe Drinking Water Act and the Clean Water Act, associated regulations, and applicable permit requirements. The AGM-E also responsible and accountable for the managing and organizing efficient business operations of the engineering department and a multi-disciplinary engineering staff. The AGM-E shall also be responsible for assisting with the formulation of recommendations on policies, goals and objectives to, and implementation of plans, policies and procedures adopted by the Consolidated Commission on Utilities (CCU).

AGM-E directs and manages the development and execution of GWA's short and long-term capital improvement and capital maintenance goals and objectives; makes sure all assigned operations and functions are sustainable and effectively serve the needs of GWA's ratepayers, while complying with adopted and industry standards, applicable laws and regulations; and performs related duties as assigned.

<u>ILLUSTRATIVE EXAMPLES OF WORK:</u> (These examples do not list all the duties which may be assigned; any one position may not include all the duties listed)

Directs Guam Waterworks Authority's (GWA) engineering department resources to carry out its duties, functions and responsibilities; Develops goals and priorities; Provides leadership, directions and guidance for the engineering division.

Directs all GWA planning, permitting and new area development activities in accordance with GWA service rules and regulations, Guam building and development laws, regulations, codes and adopted GWA engineering and construction standards.

Directs all engineering design and construction activities including management of staff and oversight of consultants to ensure that results are accomplished efficiently and in accordance with acceptable standards for quality and technical integrity, and in compliance with applicable laws, regulations, policies, and procedures.

Oversees the preparation, administration, monitoring and periodic updating of five (5) year Capital Improvement Program (CIP), twenty (20) year Water Resources Master Plan and related activities. Directs the planning, development, and monitoring of the Engineering budget to ensure the most efficient use of resources, adherence to established guidelines, and accurate and timely reporting of budgetary information.

Directs the effective conduct of Engineering operations to meet the established levels of service for all customers, in accordance with the GWA's Water Resources Master Plan, Safe Drinking Water Act and the Clean Water Act, associated regulations and applicable permit requirements.

Assistant General Manager – Engineering (AGME) (Unclassified) page 2

Directs contracting for Engineering, including the issuance of all requests for proposals, contracts for professional services, and associated contract amendments related to the Capital Improvement Program. Approves construction contracts and related faithful performance and payment bonds, construction change orders, and extra work for execution.

Reviews, analyzes and evaluates performance and operation of Engineering division and develops strategy for implementing changes benefiting the organization.

Directs the preparation of reports and documents as requested by the General Manager for Consolidated Commission on Utilities (CCU) meetings; make presentations to the CCU and other stakeholders, as required, to keep them apprised of GWA's engineering program activities.

Evaluates and analyzes issues and recommends-solutions. Assures effective communication strategies among GWA management team members. Serves as liaison between GWA Engineering Division and various local, territorial government, and federal organizations and agencies. Assures the satisfaction of internal and external customers. Leads departmental and division quality improvement initiatives.

Directs critical engineering activities to maintain project schedules; determine corrective action necessary to meet project objectives and implement required modifications to ensure successful completion of program.

Facilitates the resolution of problems and conflicts relating to engineering issues; Promotes technical guidance on engineering issues to technical and professional staff, the general public and government officials. Advises the General Manager (GM) and Consolidated Commission on Utilities (CCU) on technical and engineering issues.

Develops and implements design and construction standards, policies, and standard operation procedures as required to maintain and/or improve work results of the department.

Directs management of construction projects with Engineering Managers and Supervisors, operations personnel, local and federal government authorities and community groups. Collaborates with Assistant General Manager – Compliance & Safety on developing managing Court ordered projects timelines and meeting regulatory requirements.

Directs complex engineering projects and studies to ensure that GWA's short and long-term interests and needs are met. Directs engineering support of preventive maintenance and other facilities operation programs; Oversees planning of engineering economy evaluations of equipment alternatives and recommends projects with better life cycle costs.

Performs other duties as assigned or required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of water and wastewater facility design, construction, maintenance and operating principles.

Knowledge of US Environmental Protection Agency (USEPA) and Guam Environmental Protection Agency (GEPA) Safe Drinking Water and Clean Water Regulations, the National Pollutant Discharge Elimination System (NPDES) permit program, and water/wastewater utility rules, regulations, ordinances, codes administrative orders and other operational guidelines and directives.

Knowledge of conventional and Global Positioning System (GPS) survey principles and practices.

Assistant General Manager – Engineering (AGME) (Unclassified) page 3

Knowledge of the standard methods, materials, practices and equipment used in the construction, operations, repair and maintenance of potable water and wastewater systems, including ancillary infrastructure, such as roadways, drainage and other improvements.

Knowledge of business strategies and organizational management theories and practices; budget development, implementation and administration; personnel management practices and regulations; public sector contracting practices and regulations.

Ability to lead a large multifunctional division.

Ability to analyze and evaluate engineering, statistical and financial data, conduct and direct research and develop alternatives and recommendations.

Ability to analyze engineering problems; exercise judgment and discretion.

Ability to recommend and implement changes in policies, procedures, materials and equipment to enhance program effectiveness.

Ability to develop and oversee a multimillion-dollar operating budget.

Ability to interpret and apply federal and local laws and complex governmental regulations, pertaining to work.

Ability to analyze situations accurately and make independent engineering judgments to provide information, take effective action, and resolve physical and construction support issues.

Ability to effectively communicate orally and in writing on technical subject matters to technical and non-technical audiences.

Ability to establish and maintain collaborative working relationships with all levels within the Authority, contractors, local, territorial government, and federal organizations and agencies.

Skill to develop written specifications, scopes of work and requests for proposals for engineering services.

Skill in analyzing and interpreting data to produce technical reports and recommendations on a wide variety of engineering issues.

Skill in evaluating the work of contractors and consultants for compliance with project plans, specifications and applicable laws, ordinances and policies.

Skill to mentor, develop, and motivate staff.

Skill in creating and delivering presentations to large groups, executive management, and the CCU

Assistant General Manager – Engineering (AGME) (Unclassified) page 4

MINIMUM EXPERIENCE AND TRAINING:

- A. Bachelor's degree in Engineering from an Accreditation Board of Engineering and Technology (ABET) accredited University; AND 10 (ten) years of engineering experience in planning, design, construction, and operations of wastewater and water systems, including five (5) years which shall have been in a supervisory capacity; AND Current registration as a Professional Engineer on Guam, or current registration as a Professional Engineer by any state or US territory and the ability to obtain registration on Guam within one (1) year of hire; OR
- B. Master's degree in Engineering from an Accreditation Board of Engineering and Technology (ABET) accredited University; AND 9 (nine) years of engineering experience in planning, design, construction, and operations of wastewater and water systems, including five (5) years which shall have been in a supervisory capacity; AND Current registration as a Professional Engineer on Guam, or current registration as a Professional Engineer by any state or US territory and the ability to obtain registration on Guam within one (1) year of hire.

NECESSARY SPECIAL QUALIFICATIONS:

Possession of a valid Guam Environmental Protection Agency Operator Certification Level IV in Water Treatment, Water Distribution, Wastewater Collection OR Wastewater Treatment.

ESTABLISHED: November 2020

JOB EVALUATION POINTS: 1514

PAYGRADE/STEP MINIMUM: R5-A; \$144,772

MAXIMUM: R6-A; \$150,650

JOSEPH T. DUENAS, Chairman Consolidated Commission on Utilities



Management Report GWA CCU Work Session, November 17, 2020



Update to Workforce Availability

GWA Workforce availability as of November 13, 2020

Healthy	353	94.4%
Sick, not COVID-19 related	3	0.8%
COVID-19 Quarantined	5	1.3%
Employee with COVID-19, active case	5	1.3%
COVID-19 Medical Risk	1	0.3%
Military Leave	5	1.3%
LTD	2	0.5%
	374	100%

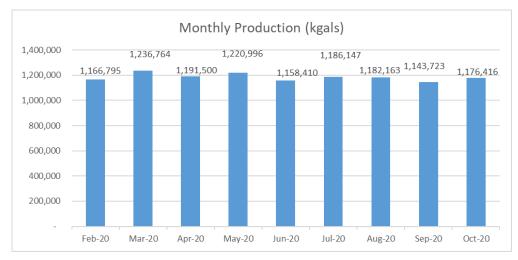
	Total	
Healthy/Reporting for duty at worksite	270	72.2%
Healthy/Reporting for duty - Part Teleworking and Part Reporting		
for duty at worksite	48	12.8%
Healthy/Reporting for duty - Teleworking	34	9.1%
Employee sick - symptoms unrelated to COVID-19	3	0.8%
Military Leave	5	1.3%
LTD/Workers Comp	2	0.5%
Employee wants to electively self-quarantine; status not		
considered vulnerable - does not report for duty	1	0.3%
	\top	
Employee (to be) tested for COVID-19 with results pending	1	0.3%
Employee's direct exposure to a household member - COVID-19	T	
confirmed case	2	0.5%
Employee with COVID-19, active case	5	1.3%
Employee or household member: Travel within last 14 days	1	0.3%
Employee or household member is at medical risk (i.e. COVID-19	T	
vulnerable)	1	0.3%
	\top	
Employee's indirect exposure to individual that is: COVID-19	1 1	
symptomatic, being tested for COVID-19 or confirmed COVID-19		
(1+ person removed) - does not report for duty	1	0.3%
	374	100%

Operations Update

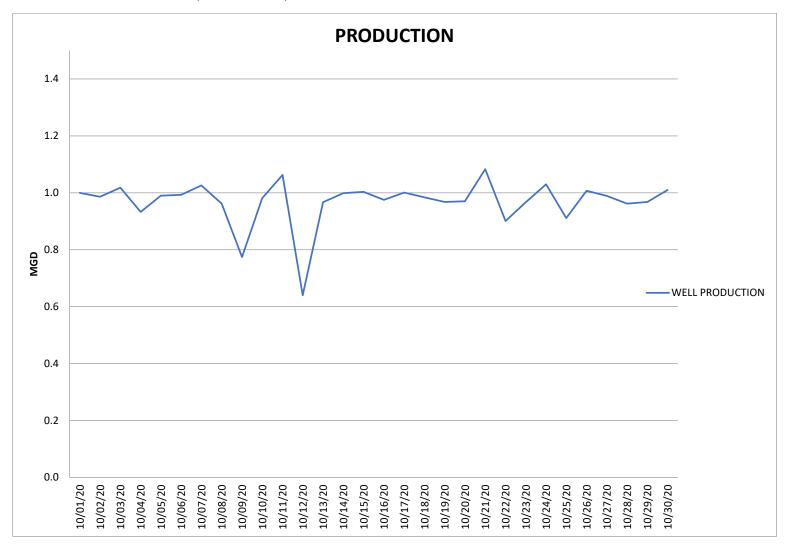
Production (October 2020)

Monthly Production Summary - October 2020						
Deep Wells			34.8 MGD			
Active wells =	92	of 120				
Avg days in operation	1 = 31	days				
Total Production =	1,079,187	Kgals				
Springs			0.23 MGD			
Avg days in operation	1 = 31	days				
Total Production =	7181	Kgals				
Ugum Surface Water Plant			1.9 MGD			
Avg days in operation	1 = 31	days				
Total Production =	60,035	Kgals				
Tumon Maui Well			0.97 MGD			
Avg days in operation	1 = 31	days				
Total Production =	30,013	Kgals				
	1,176,416	Kgals	37.9 MGD			

DW Status as of 10/31/2020						
Active	92					
Grounded motor						
or Pump Failure	6	A26-D03-D10-F06-F13-Y16				
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05				
Temporarily						
Secured	2	A23-A25				
Standby	12	A10-A12-A29-D02-D24-F03-F05-F10-F17-F20-M09-M12				
TOTAL	120					

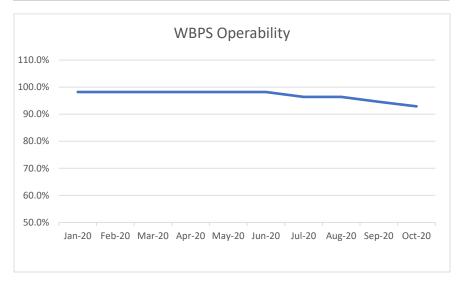


Tumon Maui Well Production (October 2020)

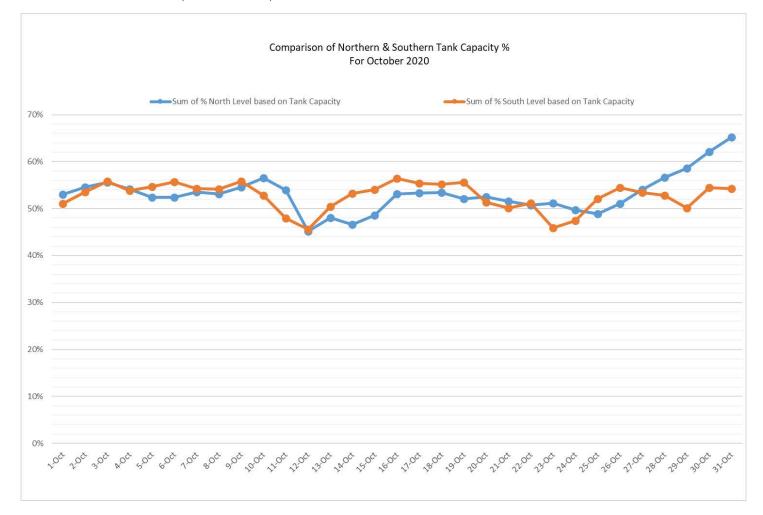


Distribution (October 2020)

Monthly Distribution Summary - October 2020								
Water	Water Booster Pump Stations							
_	District		Total	Pumps	%			
L	אוונו	Stations	Pumps	Operating	Operational			
N	Northern	13	26	24	92.3%			
C	Central	7	15	13	86.7%			
S	Southern	7	15	15	100.0%			
		27	56	52	92.9%			

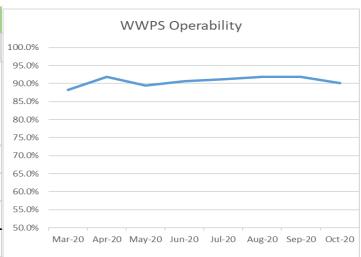


Distribution – Tank Levels (October 2020)



Wastewater Collections (October 2020)

	Monthly Collections Summary - October 2020											
Wastewa	Wastewater Pump Stations											
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational							
	Northern	22	52	47	90.4%							
	Central	29	63	55	87.3%							
	Southern	26	56	52	92.9%							
		77	171	154	90.1%							



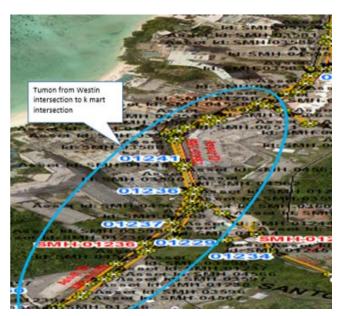


Wastewater Collections – Cleaning/Jetting (October 2020)

Route 1 from Kmart Intersection to Hamburger Road



Tumon from Westin Intersection to Kmart Intersection



Wastewater Collections – Cleaning/Jetting (October 2020)

Route 1 from Rte. 16 Intersection to Hamburger Road



Gov. Carlos Camacho Road from GMH to Route 1



Wastewater Collections –Cleaning/Jetting (October 2020)

Perezville, Tamuning

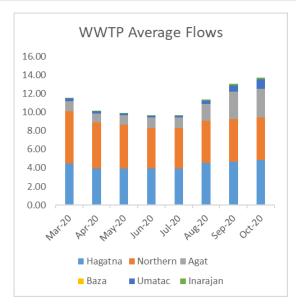


Barrigada Heights



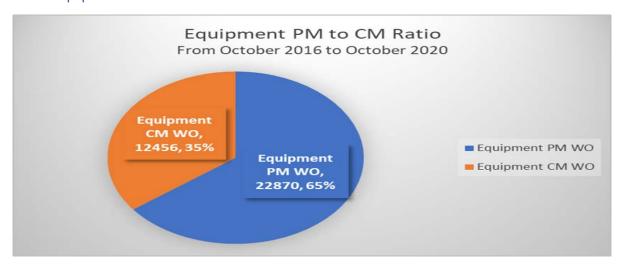
Wastewater Treatment (October 2020)

Monthly Wastewate	r Treatment S	Monthly Wastewater Treatment Summary - October 2020										
WW Treatment Plants - Flo	WW Treatment Plants - Flows											
Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)									
Hagatna	4.83	347,420	\$ 31,268									
Northern	4.62	983,220	\$ 88,490									
Agat	3.04	114,160	\$ 10,274									
Baza	0											
Umatac	1.03											
Inarajan	0.17											
	13.69	1,444,800	\$ 130,032									

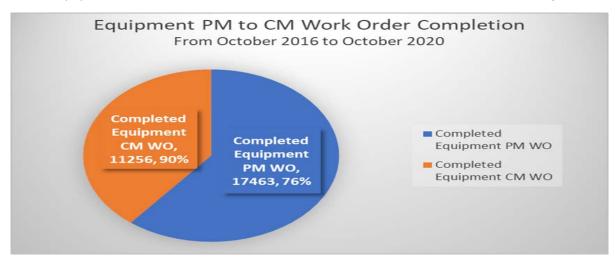


Asset Management (October 2020)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

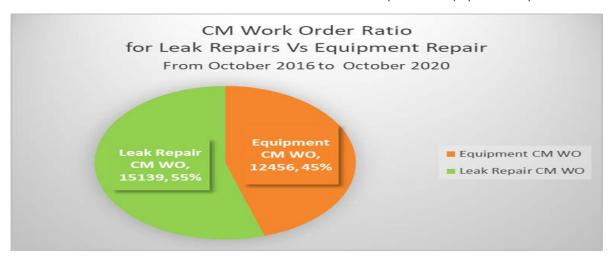


II. Equipment Preventive Maintenance to Corrective Maintenance Work Order Completion

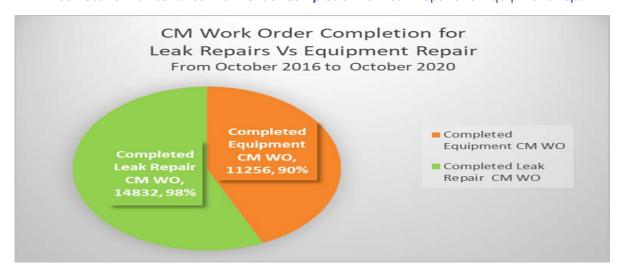


Asset Management (October 2020)

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



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



Backbilling through October 2020

Guam Waterworks Authority
Collections Report¹ on Accounts Backbilled thru October 31, 2020
For fiscal years 2015 thru 2021 (Oct)

					Collection Status											
Accounts Billed				Amounts Collected ¹			Amounts Adjusted To			Total U	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	463	296,253	75%	22	42,262	11%	25	30,052	8%	27	28,883	7%	
FY2018	1,374	\$	742,109	1,197	559,855	75%	60	69,706	9%	67	69,794	9%	50	42,754	6%	
FY2019	8,325	\$	3,064,384	7,482	2,088,797	68%	193	175,050	6%	418	688,939	22%	232	111,598	4%	
FY2020	3,394	\$	991,979	2,838	531,862	54%	43	21,312	2%	461	423,181	43%	52	15,624	0%	
Total	13,647	\$	5,196,804	11,997	\$ 3,477,649	67%	318	\$ 308,330	6%	971	\$ 1,211,966	23%	361	\$ 198,859	4%	

¹ Collections thru November 10, 2020

One Guam Update (October 2020)

- 01-TMW
 - Next inspection will be November 18, 2020 at 9:30 am.
- 04-OEA Projects
 - Observation Wells/NGLA
 - The Temporary Construction Easement (TEC) s are getting packaged for review. Hopefully the TCEs will be ready for approval and endorsements by the Admiral by next meeting.
 - The TECs will be for 2 years.
 - DOD/GWA MOA to ensure that the NGLA Observation Wells are properly maintained and each party funds the data collection and analyst is being reviewed by NavFac Operations department. Once the Operations staff review, it will be sent up to the CO.
 - For GWA, the draft MOA is with Kelly who is reviewing it
- 06-Strategy/Framework Discussion
 - o GWA has started reviewing the project and have an initial prioritized list of the projects that GWA feels are critical. Additional information from B&C is still needed.
 - GWA will need to understand more about future water demands from DOD.
 - o DOD and GWA exchanged each other's Hydraulic profile.
 - o A meeting with DOD and GWA Engineers to discuss the projects will be schedule for next week.
- 07-Property Transfers
 - o No update on transfer of Navy Laterals at Murray Road to GWA.
- 30-Other
 - o Umatac / Cetti Bay Easement
 - Letter from GWA was forwarded to the Navy's Real Estate Office for Conservation and Construction Easement request for extension for the use of Lot 275. GWA requested for in-kind contribution to be waiver of license fees for AG-1 well, Tarague and Tumon Maui Well for the period of the Conservation and Construction Easement.
 - Miguel explained that GWA is not able to lease or rent the easement without Guam Legislative approval so GWA
 was seeking waiver of the license fee for AG-1 well, Tarague and TMW. However, Cynthia advised GWA that license
 fees were not eligible for in-kind consideration.
 - The Navy has not responded to GWA's letter. GWA will determine the appropriate response, when it receives the response back from the Navy.

- o Licenses for TMW, AG1 and Tarague Line
 - GWA forwarded to the Navy the desire to extend the licenses for TMW, AG-1 well and Tarague line for an additional year. The letter of intent was sent to 2nd Lt Ryan English on the request to extend the license agreement. The letter of intent included the request to update certain adjustment in the individual license to include the changing the withdrawal rates to be consistent with the GEPA well permit amount.
 - GWA would like to increase the withdrawal rate to ensure it can provide additional water to DOD. DOD shared that they didn't think it would be an issue. But would like to discuss it internally. When Andersen and the Navy to come to an agreement on the water with, GWA will be notified and the licenses will be updated.

Court Order Summary (October 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
Completed/Continuous - on time	78	84%	(on-time or
Completed - late	14	15%	completed)
In Progress - on time	0	0%	
In Progress - late	1	1%	00.00/
Totals	93	100%	98.9%

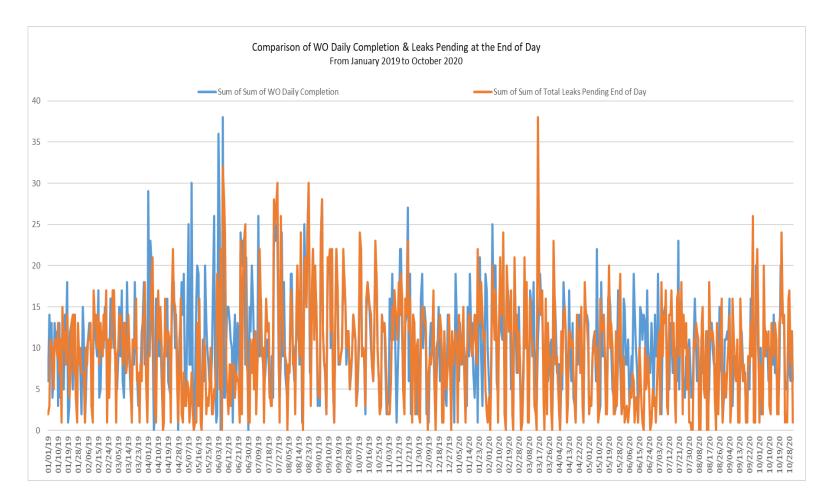
Court Order – Status Information (October 2020)

- 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.
 - o CO 29(b) has been expanded by 31% beyond the original Court Order Requirements
 - o General Counsel is drafting filing for submission to District Court
 - o Additional impact resulted from delay of 2020 Bond issuance and there is also delay due to COVID-19 impacts
- Overflow or Bypass events reported to USEPA:
 - o 10-04-2020 Chalan Canton Tasi sewer break WO#20-10-0249 REC#265 pipe failure
 - o 10-06-2020 Marine Corp Drive, Route 1 sewer overflow SSO#269– FOG
 - o 10-06-2020 Dairy Road, Mangilao sewer overflow SSO# 266 generator did not activate
 - o 10-08-2020 Chalan Canto Tasi Station 17, Merizo sewer break REC#270 WO #20-10-0626
 - o 10-21-2020 Punzalan Street, Tiyan wet well overflow SS#283 rain
 - o 10-22-2020 Sgt. Roy T. Damian Jr., Mongmong manhole overflow SSO#285 pump station failure

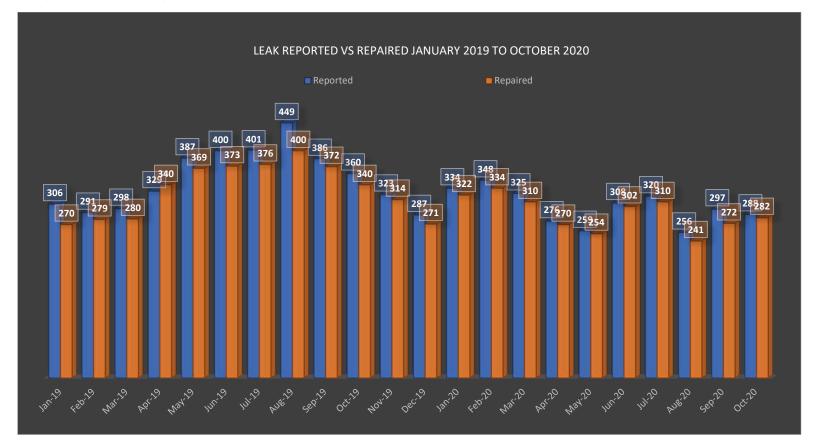
Land Acquisition Summary (October 2020 – no changes)

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.					
Turiks	Piti Private		Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 form.					
	Airport	Property owners accepted GWA purchase offer 09/20/2020. GWA GM signed Land Purchase & Sale Agreement; Owner's signature pending.						
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	In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment will be developed. The permit for the biological survey was submitted on 6/12/2020 and is currently still in the hands of NPS. NPS is waiting to confirm with USFWS on the threatened and endangered species that are of concern at the project location. They are just waiting on USFWS confirmation.					

Leak Repair Summary (October 2020)



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



Monthly Leak Report Cost (October 2020)



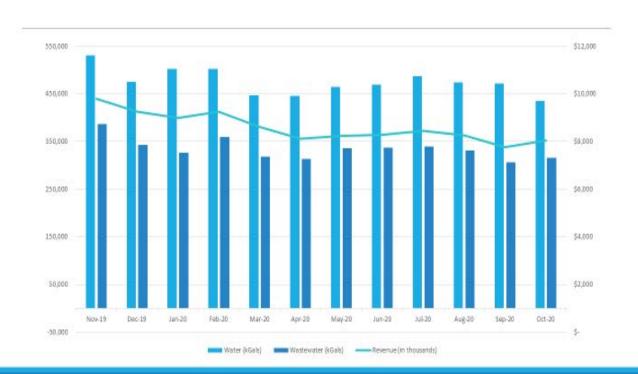
Assumptions:

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

GWA Financial Overview

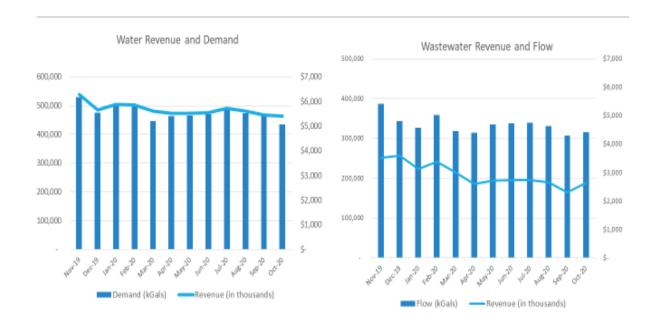
SEPTEMBER AND OCTOBER 2020

Overall Revenues and Demand

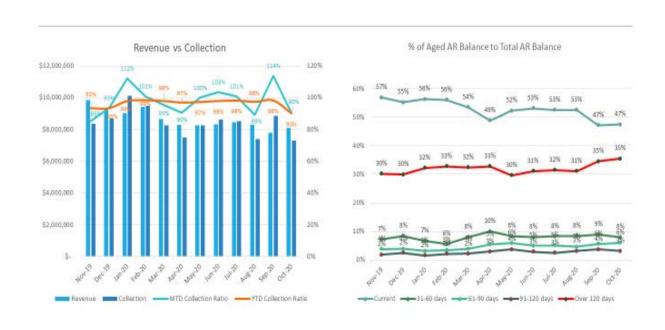


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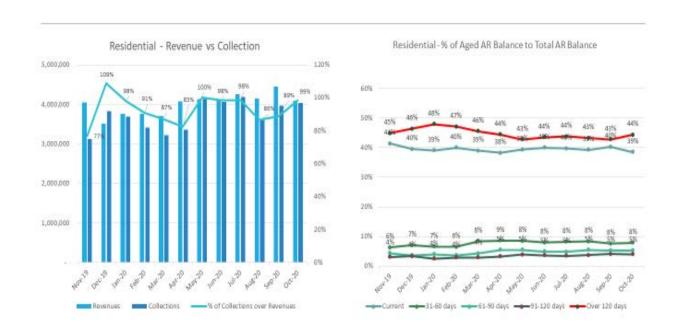
Revenues and Demand



Overall Revenues and Collections

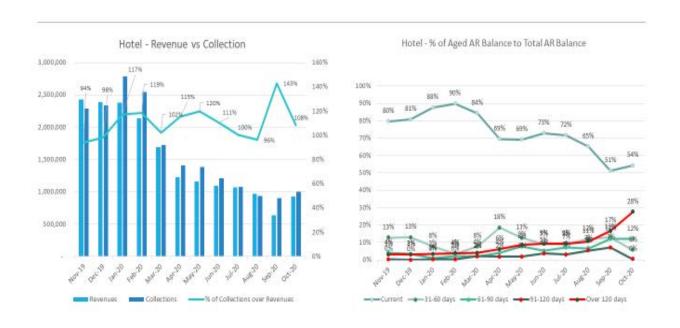


Residential Revenues and Collections

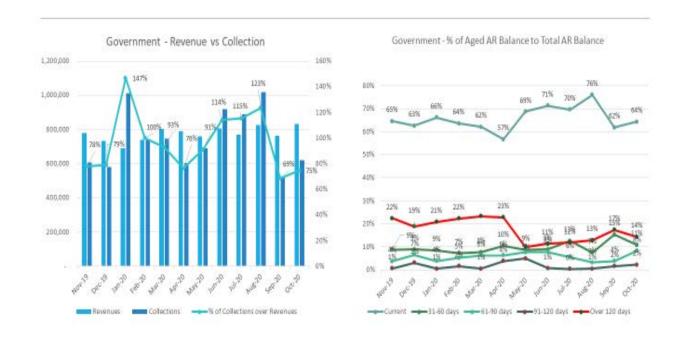


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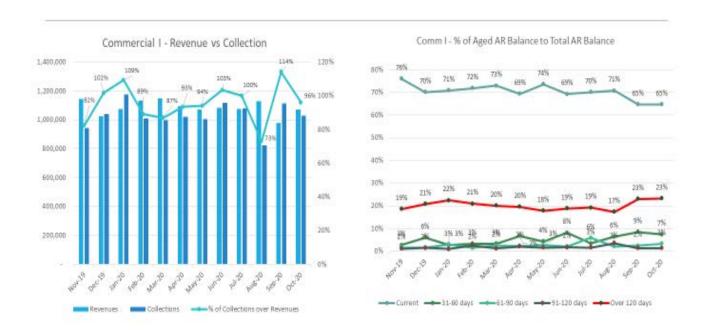
Hotel Revenues and Collections



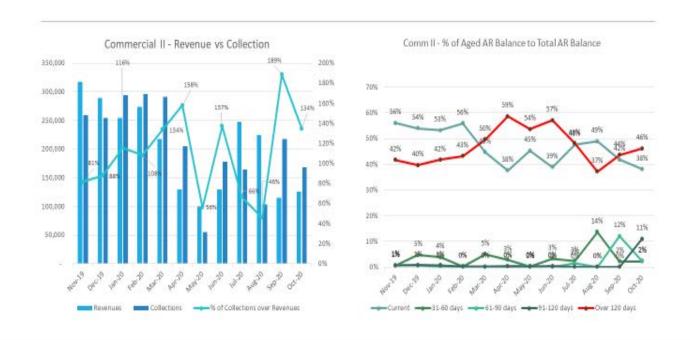
Government Revenues and Collections



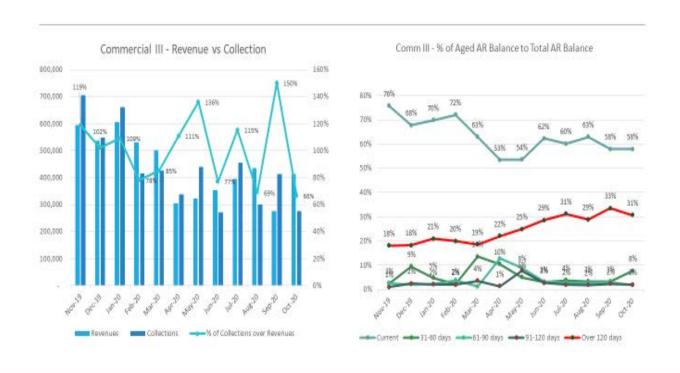
Commercial I Revenues and Collections



Commercial II Revenues and Collections

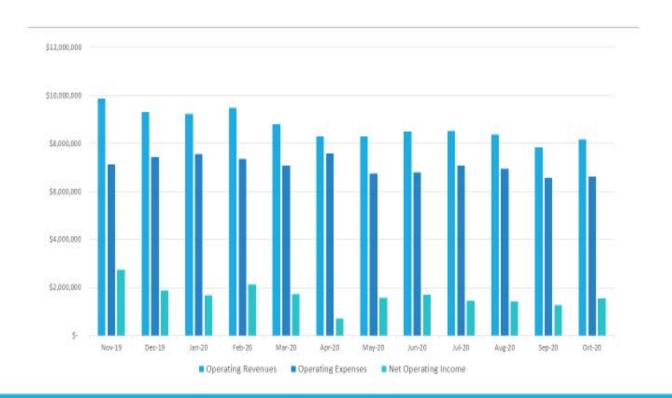


Commercial III Revenues and Collections



- 1

Income Statement



GWA Key Financial Indicators

Indicator	Target	August 2020	September 2020	Target	October 2020	
DSC YTD						
 Per Section 6.12 of Indenture 	1.25	1.33	1.30	1.25	1.38	
Per PUC / CCU	1.40	1.33	1.30	1.40	1.38	
Days - Cash on Hand	120 days	291 days	311 days	120 days	271 days	
Collection Ratio						
 Month to Date 	99%	89%	114%	99%	90%	
 Year to Date 	99%	98%	99%	99%	90%	
Days Billed	30 days	31 days	30 days	30 days	30 days	
Account Receivable Days	30 days	49 days	47 days	30 days	49 days	
Account Payable Days	45 days	32 days	36 days	45 days	36 days	
Employee Count	400 FTE	381 FTE	379 FTE	400 FTE	376 FTE	
Water Demand						
 Month to Date 	476,259	473,988	472,192	478,754	435,500	
Year to Date	5,715,108	5,268,011	5,757,733	478,754	435,500	
Wastewater Flow						
Month to Date	339,054	331,167	306,686	356,472	316,069	
Year to Date	4,068,647	3,725,878	4,032,564	356,472	316,069	
Water Customers	42,724	42,992	42,838	42,839	42,919	
Wastewater Customers	29,604	29,551	29,363	29,805	29,259	

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



Court Order Performance Report Card

	Items	On-time Items Completed/Continuous		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					
Tollow Orcell	Counted under Completed					

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

Name	SO#	No	Project	GWA SO	Due to	Status
			_	Timeline	EPA	
Northern District	2	1	Interim Primary Treatment Improvements Complete	09/30/2012	@EPA	Done Construction completed 12/13/2012
WWTP Primary	3(a)	2	Interim Effluent to meet Table 1	09/30/2012 monitoring started	@EPA	Done Table 1 compliance beginning January 9, 2013.
Treatment Upgrades.	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	5	11	Primary Treatment Plant Upgrades	06/30/2013	@EPA	Done. CEPT is operational and routine.
Measures.	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 09/292014.
	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
Baza Gardens	12(a)	42	Interim Measures Evaluation (Independent PE)	180 days	@EPA	Done Reported 05/07/2012, PMO task
	12(b)	43	Interim Measures Complete	540 days	@EPA	Done Reported 05/01/2013 PMO task
	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 l&l/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.
		-	, , , , , , , , , , , , , , , , , , ,	JI		A. Control of the Con

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

Name	SO#	No	Project	GWA SO	Due to EPA	
				Timeline		
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 1st 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	22	59	Plan	180 days	@EPA	Done Reported 09/94/2012
Monitors	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	24	66	Construction complete	One year	@EPA	Done Reported 11/09/2012
Treatment Plant	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	28(a)	71	Existing Construction Complete	180 days	@EPA	Done Reported 12/23/2011
Transmission Line	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	29(a) 1	78	Plan hydraulic analysis	90 days	@EPA	Done Reported 11/09/2012
Rehabilitation and	29(a) 2	79	Hydraulic analysis	540 days	@EPA	Done EPA No Further Comment 08/26/2014
Replacement Program.	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	31(a)(1)	88	Quarterly Report	Jan., April, July, Sept. Continuous	@EPA	Ongoing Due by the 30th of the specified months
REPORTING	31(a)(2)	89	Reports on Non Compliance	Within 30 days from determination of delay	@EPA	Ongoing As determined by GWA
REQUIREMENTS	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
			у			

GWA Utility Services Division Monthly Status Report Month ending OCT 2020

FY202	21								PREVIOUS	MONTH
UTILI	TY SERVICES DIVISION ACTIVITIES	WEEK ENDING: 10/03/20	WEEK ENDING: 10/10/20	WEEK ENDING: 10/17/20	WEEK ENDING: 10/24/20	WEEK ENDING: 10/31/20	OCT 2020 MONTHLY TOTAL	WEEKLY AVERAGE OCT 2020	WEEKLY AVERAGE SEP 2020	SEP 2020 MONTHLY TOTAL
Collecti	ons Activities:									
I.	Number of accounts cut for nonpayment:	0	0	0	0	0	0	0	0	0
II.	Number of accounts restored for nonpayment:	2	2	2	1	3	10	2	1	4
III.	Number of No water reports responded to:	5	7	3	5	2	22	4	4	20
IV.	Number of Secure/Unsecure valve reports responded to:	4	10	6	8	6	34	7	3	15
V.	Number of Verify reads responded to:	0	1	4	5	2	12	2	0	0
VI.	Number of new pay plans negotiated for active accounts:	77	76	56	50	48	307	61	67	335
VII.	Number of active pay plans negotiated and ongoing:	407	479	512	517	405		464	316	
VIII.	Number of inactive accounts with a payment arrangement:	9	9	10	12	14		11	9	
IX.	Number of broken payment plans:	52	16	23	45	16	152	30	34	172

VIII.	Number	of inactive accounts with a payment arrangement:	9	9	10	12	14		11	9	
IX.	Number	of broken payment plans:	52	16	23	45	16	152	30	34	172
1											
Custome	r Servic	e Activities (lobby visits):									
A.	GBN Pub	lic Service Building – Fadian									
	i.	Total Customers Assisted:	127	119	117	120	141	624	125	112	562
	ii.	Total Abandoned Requests:	4	2	1	1	1	9	2	2	8
	iii.	Average Wait Time:	3 minutes	4 minutes	3 minutes	5 minutes	4 minutes		3.8 minutes	3.6 minutes	
	iv.	Average Service Time:	12 minutes	13 minutes	12 minutes	12 minutes	9 minutes		11.6 minutes	11.8 minutes	
	٧.	Purpose of lobby visit:		•	•		•	•			
		Apply for water:	49	49	37	32	58	225	45	44	220
		Restore water cut for non payment:	0	0	0	0	0	0	0	0	0
		3. Terminate Water:	8	10	9	14	11	52	10	7	37
		4. Copy of Bill:	14	7	9	16	16	62	12	12	61
		5. Billing Dispute:	27	19	29	19	30	124	25	29	147
		6. Billing Dispute follow up:	0	1	0	0	0	1	0	0	0
		7. General Questions & Other:	23	28	28	32	19	130	26	17	86
		8. Report a water leak:	1	0	1	0	0	2	0	0	1
		·	0	0	0	0	0	0	0	0	0
		9. Report water theft:				7					
		10. Payment Arrangement:	5	3	4	/	8	27	5	5	23
В.	Julale Sa	tellite Office – Hagatna									
	i.	Total Customers Assisted:	115	122	128	52	137	554	111	99	497
	ii.	Total Abandoned Requests:	4	4	2	1	7	18	4	3	14
	iii.	Average Wait Time:	1 minute	4 minutes	4 minutes	5 minutes	5 minutes		3.8 minutes	1.4 minutes	
	iv.	Average Service Time:	2 minutes	10 minutes	11 minutes	8 minutes	11 minutes		8.4 minutes	5.2 minutes	
	٧.	Purpose of lobby visit:									
		 Apply for water: 	52	45	47	15	54	213	43	34	171
		Restore water cut for non payment:	0	0	0	0	0	0	0	0	0
		3. Terminate Water:	12	7	14	3	12	48	10	11	53
		4. Copy of Bill:	12	16	13	8	16	65	13	13	65
		5. Billing Dispute:	26	26	36	17	26	131	26	27	135
		6. Billing Dispute follow up:	0	0	0	0	1	1	0	0	0
		7. General Questions & Other:	12	22	20	9	26	89	18	11	57
		8. Report a water leak:	0	0	0	0	0	0	0	0	0
		9. Report water theft:	0	0	0	0	0	0	0	0	0
		10. Payment Arrangement:	4	7	2	1	4	18	4	4	22
c.	Upper Tu	umon Satellite Office – Upper Tumon				_	-	10	-	-	22
<u>.</u>	i.	Total Customers Assisted:	97	131	114	147	121	610	122	109	544
	ii.	Total Abandoned Requests:	3	4	1	2	4	14	3	3	14
	iii.	Average Wait Time:	1 minure	2 minutes	1 minutes	2 minutes	1 minutes	14	1.4 minutes	1.6 minutes	14
	iv.	Average Service Time:	17 minutes	16 minutes	13 minutes	14 minutes	15 minutes		15 minutes	12.2 minutes	
		=	17 minutes	10 minutes	13 illillutes	14 minutes	13 illillutes		13 illillutes	12.2 Illillutes	
	V.	Purpose of lobby visit:	20	Γ4		40	4.4	240		20	100
		Apply for water:	29	54	44	48	44	219	44	38	188
		Restore water cut for non payment: Tamping to Water	2	0	1	0	0	3	1	1	4
		3. Terminate Water:	14	15	17	25	17	88	18	16	80
		4. Copy of Bill:	6	6	9	7	5	33	7	6	28
		5. Billing Dispute:	31	29	31	0	35	126	25	30	149
		6. Billing Dispute follow up:	0	0	0	48	0	48	10	0	0
		7. General Questions & Other:	8	22	12	13	12	67	13	13	67
		8. Report a water leak:	0	0	0	0	0	0	0	0	0
		Report water theft:	0	0	0	0	0	0	0	0	0
		10. Payment Arrangement:	7	7	5	6	8	33	7	6	28
								·			·

GWA Utility Services Division Monthly Status Report Month ending OCT 2020

FY2021									PREVIOUS	MONTH
	RVICES DIVISION ACTIVITIES	WEEK ENDING: 10/03/20	WEEK ENDING: 10/10/20	WEEK ENDING: 10/17/20	WEEK ENDING: 10/24/20	WEEK ENDING: 10/31/20	OCT 2020 MONTHLY TOTAL	WEEKLY AVERAGE OCT 2020	WEEKLY AVERAGE SEP 2020	SEP 2020 MONTHLY TOTAL
	e Activities (Electronic):									
i.	Emails Recieved: 1. customers@guamwaterworks.org:	238	237	206	220	231	1132	226	271	1353
	Request type (email):	230	237	200	220	231	1132	220	2/1	1333
	a. Apply for water:	53	45	33	47	34	212	42	62	309
	b. Terminate Water:	24	16	9	18	20	87	17	26	128
	c. Copy of Bill:	5	2	2	1	2	12	2	4	20
	d. Billing Dispute & follow up:	29	13	13	17	14	86	17	16	80
	e. General Questions & Other:	83	126	116	83	121	529	106	111	556
	f. Report a water leak: g. Report water theft:	0	9	7	14 0	9	41 0	8	4 0	18 0
	h. Online services inquiry:	42	25	26	40	31	164	33	48	241
	gwaservesme@guamwaterworks.org (realtors/prop		1	0	0	0	1	0	0	1
ii. iii.	Emails Replied (both): Online Portal:	164	170	137	147	127	745	149	172	861
	Request type (online portal):									
	a. Start Service:	5	2	6	3	3	19	4	NA	NA
	b. Stop Service:	3	1	0	1	0	5	1	NA	NA
	c. Payment Plan:	1	0	2	1	0	4	1	NA	NA
	d. Customer Information Updates:	2	1	0	1	0	4	1	NA	NA
	e. Service Investigations: f. Account Inquiries:	0	2	1	0	0	6 4	1	NA NA	NA NA
	g. Technical Support:	0	0	1	0	0	1	0	NA NA	NA NA
	h. Outages & Emergencies:	0	0	0	0	0	0	0	NA	NA
Call Center Activ	vities:									
i.	Calls Recieved:	1664	1447	1651	1444	1134	7340	1468	1435	7173
ii.	Calls Immediately Answered:	844	764	873	695	614	3790	758	751	3753
iii.	Calls Abandoned:	65	71	77	62	54	329	66	59	293
iv. v.	Calls Handled by Voice mail: Average duration of call:	753 4 minutes	612 4 minutes	699 5 minutes	686 3 minutes	466 5 minutes	3216	643 4.2 minutes	625 4.2 minutes	3123
v. vi.	Breakdown by request type:	4 minutes	4 minutes	Jillillates	3 minutes	Jillillutes		4.2 Illillutes	4.2 IIIIIIutes	
	Apply/Terminate info:	55	46	45	54	53	253	51	54	268
	2. Automated Telphone Call:	0	0	0	0	0	0	0	0	0
	3. Balance Inquiry:	74	62	69	53	73	331	66	69	345
	4. Call Back:	17	7	8	10	9	51	10	13	64
	5. Dispatch:	20	23	12	5	19	79	16	16	81
	6. Dispute:	1	2	1	0	0	4	1	1	3
	 Follow-up: General Questions & Other: 	42 170	30 135	49 129	22 131	27 115	170 680	34 136	32 149	160 747
	9. Route Calls to GWA Staff:	187	207	149	188	168	899	180	159	797
	10. No Water:	15	51	6	14	5	91	18	14	70
	11. Online/Phone App Help:	71	35	86	72	52	316	63	58	289
	12. Pay by Phone:	224	174	313	175	145	1031	206	183	916
	13. Pay Plan:	27	26	29	25	23	130	26	20	102
	14. Restore Non-payment:	0	0	0	0	0	0	0	0	0
	 Secure/Unsecure Valve: Voice Mail: 	18 104	14 84	6 127	15 97	7 79	60 491	12 98	10 86	49 431
	17. Water leak:	104	9	7	20	16	64	13	11	53
Bill Dispute & Ro	esolution Activities: Dispute Resolution:									
1.	Number of disputed accounts resolved:	12	17	16	24	10	79	16	32	161
	Number of disputed accounts under review:	1636	1600	1584	1560	1634		1603	1628	
Data Entry of Co	ompleted Field work in CIS:									
i.	Document Control:									
	 Number of field activities posted: 	231	441	362	359	390	1783	357	275	1373
	2. Number of field activities pending:	279	254	199	186	202	1120	224	224	1121
Field Response	Activities:									
	of field activities assigned:	275	219	190	160	254	1098	220	216	1082
II. Number	of field activities completed:	398	224	240	304	272	1438	288	270	1350
III. Number	of field activities pending field action:	3	1	2	2	1	9	2	2	12

GWA Utility Services Division Monthly Status Report Month ending OCT 2020

FY2021 UTILITY SERVICES DIVISION ACTIVITIES				IG: ENDING: ENDI				PREVIOUS MONTH	
		WEEK ENDING: 10/10/20	WEEK ENDING: 10/17/20		WEEK ENDING: 10/31/20	OCT 2020 MONTHLY TOTAL		WEEKLY AVERAGE SEP 2020	SEP 2020 MONTHLY TOTAL
Meter Reading Activities:									
I. Number of meters read:									
A. Electronically Read Meters:	4483	8565	11871	11805	5744	42468	8494	8497	42485
B. Manually Read Meters:	12	22	28	32	20	114	23	26	128
 Unread meters (Meters scheduled but not read): 	15	29	6	5	9	64	13	4	22
ii. Number of data logs received:	25	36	21	32	28	142	28	30	148
iii. Number of data logs retrieved:	0	58	13	31	23	125	25	30	149
iv. Number of data logs pending field action:	0	0	0	0	8	8	2	0	0
v. Communication Errors/Reprogramming requests:	2	0	0	19	8	29	6	0	1
vi. Number of estimated readings (for the week):	17	35	15	14	15	96	19	9	45
vii. Reasons for Estimations:									
Cant locate meter:	0	2	1	2	1	6	1	0	2
2. Temporary Obstruction:	0	0	0	0	0	0	0	0	2
3. Vicious Dog:	0	0	0	0	0	0	0	0	0
Flooded meter:	0	1	0	1	0	2	0	0	1
Corrective action to database requested:	2	6	8	6	7	29	6	5	23
Possible changed out meter:	14	17	4	3	2	40	8	2	8
Communication/Programming error (code 92's):	0	1	2	1	2	6	1	0	0
8. Other:	1	8	0	1	3	13	3	2	9
a. Leaks detected on customer's private	725	1380	2145	1991	740	6981	1396	1423	7115
b. Reverse Flow Detected:	12	197	128	316	76	729	146	119	596
c. No Usage Detected:	198	263	288	370	287	1406	281	277	1383
d. Tamper Code:	6	11	9	10	6	42	8	7	36
C. Electronic Read Percentage:	99.73%	99.74%	99.76%	99.73%	99.65%		99.7%	99.7%	
Illegal Connection & Unauthorized Use of Water Activities:									
Number of Inactive Still Consuming Reports rec'd & investigated:	0	0	0	0	0	0	0	0	0
II. Number of Illegal Connection reports rec'd & investigated:	0	0	0	0	1	1	0	1	4



Engineering Monthly Report November 2020

Prepared By: Barbara C. Cruz, P.E., Acting Chief Engineer

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

Potable Water

CIP#	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
PW 05-01	Ground Water Disinfection	\$ -	N/A	N/A	s -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ -	N/A	N/A	s -	N/A	N/A
PW-05-05	"A Series Well Transmission Line	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	\$ -	N/A	N/A	\$ 700,000.00	0.00%	100.00%
PW 05-07	Meter Replacement Program	\$ 1,400,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-08 PW 05-09	Barrigada Tank Repair/Replacement Leak Detection	\$ - \$ 100,000.00	N/A 0.00%	N/A 100.00%	\$ 400,000.00	N/A 0.00%	N/A 100.00%
PW 05-09 PW 05-10	Potable Water System Planning	\$ 876,294.00	100.00%	0.00%	\$ 400,000.00	0.00%	100.00%
PW 05-10	Implement Ground Water Rule	\$ -	N/A	N/A	\$ -	0.00% N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	\$ 250,000.00	44.01%	55.99%	\$ 350,000.00	0.00%	100.00%
PW 05-14	New Deep Wells at Down Hard	\$ 1,190,000.00	0.00%	100.00%	\$ 500,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	\$ -	N/A	N/A	\$ 550,000.00	0.00%	100.00%
PW 05-16 PW 09-01	Master Meters Ugum Water Treatment Plant Intake	\$ 2,151,539.00	90.70% N/A	9.30% N/A	\$ 600,000.00	N/A 0.00%	N/A 100.00%
PW 09-01	Water Wells	\$ 2,500,000.00	6.80%	93.20%	\$ 500,000.00	0.00%	100.00%
PW 09-03	Water Distribution System	\$ 2,300,000.00	0.00% N/A	N/A	\$ 2,250,000.00	0.00%	100.00%
PW 09-04	Pressure Zone Realignment	\$ 1,141,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-06	Central Water Distribution System 2005	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-09	Water Reservoir Internal/External	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	\$ 800,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 58,830,170.00	90.50%	9.50%	\$ 25,900,000.00	0.00%	100.00%
PW 11-01 PW 11-02	Distribution System Upgrades Ugum Water Treatment Plant Reservoir	\$ -	N/A N/A	N/A N/A	\$ 7,500,000.00	N/A 0.00%	N/A 100.00%
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 550,000.00	90.75%	9.25%	\$ 7,300,000.00	0.00% N/A	N/A
PW 12-02	Production Plan / Reduce Naw Purchases	\$ -	N/A	N/A	š -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	\$ 1,220,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo#1	\$ 1,822,133.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-06	Tank Replacement Piti & Hyundai	\$ 7,300,000.00	100.00%	0.00%	\$ 6,500,000.00	0.00%	100.00%
PW 12-07	Assessment of Malojloj Elevated & Yigo Elevated	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-08 PW 12-09	Public Water System Asset Inventory/ Condition Assessment Public Water System GIS & Mapping	\$ - \$ -	N/A N/A	N/A N/A	\$ -	N/A N/A	N/A N/A
PW 14-01	Fire Hydrant Replacement Program	\$ 1,200,000.00	99.70%	0.30%	\$ -	N/A	N/A
MP-PW-Pipe-01	Astumbo Zone Piping	1,200,000.00	00.7070	0.0070	s -	N/A	N/A
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-03	Harmon Cliffline Piping to Route 1				\$ -	N/A	N/A
MP-PW-Pipe-04	Hyundai Well Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-05	Kaiser Zone Looping				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-06 MP-PW-Pipe-07	Mangilao Pressure Zone Realignment Mataguac BPS Suction Piping				\$ 300,000.00 \$ 500,000.00	0.00%	100.00% 100.00%
MP-PW-Pipe-08	Nimitz Lower BPS Piping				\$ 500,000.00	0.00% N/A	N/A
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment				s -	N/A	N/A
MP-PW-Pipe-10	Miscellaneous Piping Projects				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-11	Miscellaneous Piping Connections				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-12	Rehabilitation and Replacement Program				\$ 2,000,000.00	0.00%	100.00%
MP-PW-Pipe-13	2-Inch Pipe Replacement Program				\$ 3,330,000.00	0.00%	100.00%
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program				\$ -	N/A	N/A
MP-PW-Pipe-15 MP-PW-Pipe-16	PRV Rehab and Replacement Valve Exercise, Repair, and Replacement Program				\$ 2,050,000.00 \$ 250,000.00	0.00%	100.00% 100.00%
MP-PW-Pipe-17	Cross Island Highway Piping				\$ 100,000.00	0.00%	100.00%
MP-PW-Tank-22	Existing Tank Inspections				\$ 150,000.00	0.00%	100.00%
MP-PW-Tank-23	Recurring Tank Inspections				\$ 400,000.00	0.00%	100.00%
MP-PW-BPS-01	Rehabilitate and Replace BPSs				\$ 409,000.00	0.00%	100.00%
MP-PW-BPS-02	Nimitz Hill Upper BPS				\$ 48,000.00	0.00%	100.00%
MP-PW-BPS-03	Route 15 BPS				\$ -	N/A	N/A
MP-PW-SWTP-01 MP-PW-SWTP-02	Ugum SWTP River Intake Cleaning Project Ugum SWTP Intake Modifications				\$ 380,000.00 \$ 1,174,000.00	0.00%	100.00% 100.00%
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements				\$ 1,174,000.00	0.00%	100.00%
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project				\$ -	0.00% N/A	N/A
MP-PW-Well-01	Well Rehabilitation Program				\$ 3,600,000.00	0.00%	100.00%
MP-PW-Well-02	Well Equipment Overhaul Program				\$ -	N/A	N/A
MP-PW-Well-03	Capacity Enhancement – Well Exploration Program				\$ 500,000.00	0.00%	100.00%
MP-PW-Well-04	Capacity Enhancement – Well Development and Construction				\$ -	N/A	N/A
MP-PW-Well-05 MP-PW-Well-06	Wellhead Protection Program				\$ 300,000.00 \$ 1,200,000.00	0.00%	100.00% 100.00%
MP-PW-Well-06 MP-PW-Misc-01	Well Repair Program South Guam Water Supply Study				\$ 1,200,000.00 \$ 100,000.00	0.00%	100.00%
MP-PW-Misc-01	Master Meter Implementation and Ongoing Meter Replacement				\$ 750,000.00	0.00%	100.00%
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance				\$ -	0.00% N/A	N/A
MP-PW-Misc-04	OneGuam Program				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-05	Leak Detection Assistance				\$ 150,000.00	0.00%	100.00%
DoD-3	Rehabilitation and New NGLA Monitoring Wells				\$ -	N/A	N/A
		\$ 81,331,136.00			\$ 66,291,000.00	l	

Wastewater

CIP#	CIP Description	2016 Bond Allotment	% encumbered	% available	2020 Bond Allotment	% encumbered	% available
WW 05-04	Wastewater System Planning	\$ 312,983.00	100.00%		\$ 150,000.00	0.00%	100.00%
WW 05-05	Wastewater Vehicles	\$ -	N/A		\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ 1,714,755.00	69.89%		\$ 1,050,000.00	0.00%	100.00%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,055,478.00	56.98%		\$ 1,400,000.00	0.00%	100.00%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement Facilities Plan/Design for Umatac-Merizo WWTP	\$ 25,048,522.50 \$ 252,105.00	90.16%		\$ - \$ -	N/A N/A	N/A N/A
WW 11-04 WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,226,659.06	100.00% 89.93%		\$ -	N/A	N/A
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ 2,220,000.00	N/A		\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	š -	N/A		\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ -	N/A		\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A		\$ -	N/A	N/A
WW 12 -07	Umatac Merizo Replacement	\$ 20,952,871.63	99.93%		\$ -	N/A	N/A
WW 12-08	Wastewater System GIS & Mapping	\$ -	N/A		\$ -	N/A	N/A
WW 12-09	Wastewater Facility Back Up Power	\$ -	N/A		\$ -	N/A	N/A
WW 12-10 WW 17-01	Wastewater System Asset Inventory	\$ -	N/A N/A	N/A N/A	ф - e	N/A N/A	N/A N/A
WW 17-01 WW 17-02	Wastewater Sewer System Expansion Northern District WWTP Secondary Treatment Upgrade	\$ - \$ -	N/A N/A	N/A N/A	φ - ¢	N/A N/A	N/A N/A
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program	-	IN/A		\$ 1,970,000.00	0.00%	100.00%
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement				\$ -	N/A	N/A
MP-WW-Pipe-03	Route 1 Piti Pipe Rehabilitation/Replacement				\$ 940,000.00	0.00%	100.00%
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement				\$ 657,000.00	0.00%	100.00%
MP-WW-Pipe-05	Agana Heights Pipe Replacement				\$ -	N/A	N/A
MP-WW-Pipe-06	Northern District Route 1 Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1				\$ -	N/A N/A	N/A N/A
MP-WW-Pipe-10 MP-WW-Pipe-11	North Dededo Capacity Replacement - Phase 2				\$ - \$ -	N/A N/A	N/A N/A
MP-WW-Pipe-12	Route 16 Capacity Replacement Barrigada Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-13	Mangilao Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-14	Dededo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-16	Yigo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-17	Mamajanao Capacity Replacement				\$ 814,000.00	0.00%	100.00%
MP-WW-Pipe-18	Agat-Santa Rita Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-19	Agat-Santa Rita Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-20	Agat-Santa Rita Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-21	Baza Gardens Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-22	Baza Gardens Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-23	Baza Gardens Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-24 MP-WW-Pipe-25	Umatac-Merizo Capacity Replacement				\$ - \$ -	N/A N/A	N/A N/A
MP-WW-Pipe-26	Piping Near Bayside Lift Station Finile Drive Rehabilitation - Agat				\$ 813,000.00	0.00%	100.00%
MP-WW-Pipe-27	Septic/Cesspool System Reduction Program				\$ 350,000.00	0.00%	100.00%
MP-WW-MH-01	Manhole Rehabilitation Program				\$ 350,000.00	0.00%	100.00%
MP-WW-FM-01	Force Main Rehabilitation/Replacement Program				\$ 100,000.00	0.00%	100.00%
MP-WW-FM-02	Replace Yigo Lift Station Force Main				\$ 200,000.00	0.00%	100.00%
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement				\$ 2,124,000.00	0.00%	100.00%
MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement				\$ 6,600,000.00	0.00%	100.00%
MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program				\$ 8,320,000.00	0.00%	100.00%
MP-WW-Pump-02	Tumon Basin - Fujita Lift Station Analysis				\$ 9,600,000.00	0.00%	100.00%
MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)				\$ 1,301,000.00	0.00%	100.00%
MP-WW-WWTP-01					\$ -	N/A	N/A
MP-WW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade Inarajan WWTP Repair/Rehabilitation Program				\$ - \$ -	N/A N/A	N/A N/A
	Pago Socio WWTP Pump Station Conversion				\$ -	N/A N/A	N/A N/A
	Umatac-Merizo WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
	Agat-Santa Rita WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-07					\$ -	N/A	N/A
	Equipment Repair and Rehabilitation Program						
MP-WW-WWTP-08	Northern District WWTP Completion				\$ 7,500,000.00	0.00%	100.00%
MP-WW-WWTP-09					\$ 100,000.00	0.00%	100.00%
MP-WW-Misc-01A	Update Wastewater Collection System Model (Major Update)				\$ -	N/A	N/A
MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-02	I/I and SSES Assessments				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-03	Miscellaneous Wastewater Improvements				\$ 500,000.00	0.00%	100.00%
MP-WW-Misc-04 DoD-01	Fats, Oils, and Grease Study				\$ 50,000.00 \$ -	0.00% N/A	100.00%
DoD-01	NDWWTP Secondary Treatment Capacity 12MGD Northern Systems Wastewater System				\$ -	N/A	N/A N/A

Electrical Engineering Support

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

Miscellaneous Engineering Support

		2016 Bond			2020 Bond		
CIP#	CIP Description	Allotment	% encumbered	% available	Allotment	% encumbered	% available
MC 05-01	Laboratory Modernization	\$ 1,127,000.00	100.00%	0.00%	\$	N/A	N/A
MC 05-02	Land Survey	\$ 1,260,524.00	99.35%	0.65%	\$ -	N/A	N/A
MC 09-01	General Plant Improvements	\$ 1,543,760.00	96.97%	3.03%	\$ -	N/A	N/A
MC 15-01	Information Technology Intergration Improvements	\$ 500,000.00	69.05%	30.95%	\$ -	N/A	N/A
MP-Gen-Misc-01	GWA Systems Planning				\$ 550,000.00	0.00%	100.00%
MP-Gen-Misc-02A	WRMP Update (Comprehensive Update)				\$ -	N/A	N/A
MP-Gen-Misc-02B	WRMP Update (Interim Update)				\$ 200,000.00	0.00%	100.00%
MP-Gen-Misc-03	Surveying and Property Delineation				\$ 250,000.00	0.00%	100.00%
MP-Gen-Misc-04	Information Technology Improvements				\$ 1,650,000.00	40.98%	59.02%
MP-Gen-Misc-05	GWA Infrastructure Improvements				\$ 2,500,000.00	0.00%	100.00%
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility				\$ 500,000.00	0.00%	100.00%
MP-Gen-Misc-07	Mobile Equipment Replacement Program				\$ 800,000.00	0.00%	100.00%
MP-Gen-Misc-08	General Plant Improvements				\$ 1,000,000.00	0.00%	100.00%
MP-Gen-Misc-09	Security and Resilience Program				\$ 200,000.00	0.00%	100.00%
		\$ 4,431,284.00			\$ 7,650,000.00		

		2010 B0110
		Allotment
CIP Water	\$	81,331,136
CIP Wastewater	\$	51,563,374
CIP Electrical	\$	5,455,615
CIP Miscellaneous	\$	4,431,284
	\$	142,781,409
	_	

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

	Construction	Estimated #	of	Total Funds		Rate of
Bond	Fund Amount	months fund	d	encumbered to	% of fund used	Spending: (\$M)
Fund	(\$M)	available for u	se	date (\$M)***		per year
2005	\$82.930	82	*	\$82.930	100.00%	12.14
2010	\$87.402	117	**	\$84.123	96.25%	8.63
2013	\$139.325	79	**	\$135.231	97.06%	20.54
2016	\$140.019	49	**	\$128.215	91.57%	31.40
2020	\$123.590	4	**	\$0.676	0.55%	2.03

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.

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

BID PACKAGE PW 09-02 <50% Complete	New Well Construction (AG-10-Y-8 & AG-12) 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 was installation of a water main to connect the new the Ysengsong Reservoirs.	

RFP PW 09-02	New Well Construction (Construction Management)	
<50% Complete	Activities/Notes: SOW being developed	
Project Description:	The work performed under this project procureme Construction Management and Inspection Service of up to three (3) new production wells for GWA. increase source water production to improve syste allows for operating the water production wells moverall goal of the Construction Manager (CM) is construction process so that the project can be deprofessionally.	es for the construction GWA plans to em redundancy that ore effectively. The to manage the entire

<u>RFP</u>	Design of Dungca Beach Sewer	
USEPA	Relocation	
90% Complete	Activities/Notes:	
-	Negotiating fee proposal with the selected firm.	
Project Description:	The work performed under this project procureme replacement of a sewer main located along the sh Beach, from the Bayside Sewer Pump Station (SF Lagoon Drive. The new sewer main shall be local right of way along Trankilo Road and Lagoon.	nores of Dungca PS) to an area north of

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

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

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

BID PACKAGE USEPA	Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement – Phase II	
90% Complete	Activities/Notes: Evaluating bid proposals.	
Project Description:	Work to be performed under this project shall consist of cleaning and rehabilitating existing 16-inch, 24-inch and 27-inch diameter gravity sewer lines with cured-in-place pipe (CIPP) liner, reinstating sewer laterals after CIPP rehabilitation is complete, replacing sewer manhole concrete collars, and providing temporary bypassing and traffic control as necessary to complete the rehabilitation work.	

BID PACKAGE USEPA-SRF	Groundwater Wells A-02, A-07, A-12, D- 05 and F-03 Rehabilitation (Re-Bid)
70% Complete	Activities/Notes: Project was advertised for construction on 08/04/2020. The bid proposal deadline has been extended and is due on 10/15/2020 per Addendum no.2. Designer submitted revisions to the plans and specification and will be included in an Addendum no.3 after GWA reviews. As of 10/15/2020 - No bids were submitted. GWA is conducting feedback with registered bidders to determine cause for no bid submission.
Project Description:	Work to be performed under this project consist of rehabilitating four (4) existing production well sites including development, testing and permitting of a new production well.

BID PACKAGE OEA GRANT	Northern Guam Lens Aquifer (NGLA) Monitoring System Expansion Project for the Guam Water and Wastewater Infrastructure Improvements Program	
95% Complete	Activities/Notes: Bid opening conducted on 09/04/2020. Bid evaluations completed Received CCU approval last September 2020. Award pending grant fund transfer.	
Project Description:	Work to be performed under this project consist of installation of seven new monitoring wells and rehabilitation for two existing monitoring wells on Department of Defense (DoD) property.	

BID PACKAGE	Northern Guam Lens Aquifer (NGLA)	
OEA GRANT	Monitoring System Rehabilitation	
	Project for the Guam Water and	
	Wastewater Infrastructure Improvements	
	Program	

98% Complete	Activities/Notes: Project was awarded on 10/08/2020. Reviewing bonds and insurance documents.	
Project Description:	Work to be performed under this project consist of existing monitoring wells located on GovGuam or Upon construction completion, all wells will be use level and other groundwater characteristics of the	private property. ed to monitor water

BOX KEY FOR PROJECT:

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

C. CIP Water Section

INSPECTION CIP PW 05-02	Inspection & Maintenance Repairs to GWA Island-Wide Steel Water Tank Reservoirs Phase 2 (DCA)	Start Date: April 2010
75% Complete	Activities/Notes: Remaining work is API inspection, API report, structural inspection, tank bypass planning, and partial construction for the repair work. Ongoing limited CM inspection services for the Yigo No. 2, Astumbo No. 1, Agat-Umatac steel tank repair. Assisting with Windward Hills tank bypass.	Completion Date: To be determined (TBD)
CO 38C	Engineering inspection services	
Project Description:	The Court Order requires GWA to inspect all active and in some cases inactive water reservoirs. The inspection results will allow GWA to determine if a reservoir requires repair or replacement.	

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

Project Description:	The design project is intended to assess system water supply feed from
	the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and
	resize the pumps to me system head requirements.

DESIGN	Northern and Southern Guam Reservoir	Start Date:
PW 09-11	Design (TG Engineers)	May 2015
85% Complete	Activities/Notes: Ugum Reservoir Design is at 90%. Awaiting SCADA/Electrical review.	Completion Date: Completion will be in line with construction completion.
	Inarajan and Agfayan Booster Pump Station Biological Assessment and Archaeological report are pending.	
	GFD has responded to GWA's letter regarding fire flow. GFD accepts GWA's proposal; however, is requesting in writing that GWA has a plan to bring fire flow up to 1,000 gpm when more houses are built. GWA Engineering will discuss with management.	
	Santa Rosa, Santa Rita, and Sinifa Reservoir Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update.	
	Change Order issued for Ugum tank foundation changes and continuation of meetings.	
CO 29 (b)(4)	Engineering design services	
Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Ugum, Santa Rita, Santa Rosa, Inarajan and Sinifa.	

DESIGN PW 12-04	Central Guam Reservoirs Design (GHD Inc.)	Start Date: May 2015
90% Complete	Activities/Notes:	Completion Date:
·	Tamuning No. 2 Reservoir and Tamuning Booster Pump Station Design is at approximately 60%. Per Bobbie, property acquisition letter for Lot 1, Block 5, Tract 1427 has been signed by GM. Property owner has agreed on selling the said lot. Designer is progressing to 100%.	Completion will be in line with construction completion.
	Archaeological and Biological Assessment is pending.	
	Manenggon Reservoir and Access Booster Pump Station Design is at 100% pre-final. Designer has resubmitted the 100% with revisions to GWA for review. Biological Assessment report completed. Archaeological report completed.	
	Piti Reservoir DCA and GHD are working to put the bid package together. DCA has already completed the major steel tank repair plan and specifications. GHD is working on site utility plan and specifications. GWA has not submitted the Right of Way application to National Parks Services yet. GWA has received the final Dept. of Agriculture consultation response letter. Biological Assessment report has been completed. Archaeological report needs to be completed before ROW application can be submitted.	
	Waiting on National Park Service to allow Archaeologist to go onsite to perform survey.	
	A23-A25 Deepwell (PFAS Treatment) Water sampling test results received. Designer is working on finalizing site layout for A-23. Biological assessment will be scheduled for the sites. Layout sent to DPW for review and approval. DOI has approved grant funding transfer to this project. A23 and A25 MOU sent to DPW for signature. No response from DPW.	
	Tumon No. 1, Hyundai, Chaot No. 2 Reservoir Under construction. See Tumon No. 1, Hyundai, Chaot No. 2 Reservoir Construction for update.	
CO 29 (b)(4)	Engineering design services	

request for interpretation/information during construction The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti & Tumon #1.

DESIGN PW 09-03	ID/IQ for Professional Civil/Structural Services Task 1 – Tai Road/S-13 and Toto- Canada Road/Blas Street Waterline Replacement	Start Date: January 20, 2020
60% Complete	Activities/Notes: Design consultant submitted the 60% design work for GWA review and comment on 05/01/2020.	Completion Date: December 30, 2020
Project Description:	The project is intended to replace existing water main approximately 4,500 LF along Toto-Canada Road; 3,200 LF along Tai Road; 800 LF along S-13 Road; and 900 LF along Blas Street.	

PW 09-03	Line Replacement Phase IV (Giant Construction)	Start Date: February 14, 2016
98% Complete	Activities/Notes: Connection of new pipes to the existing waterline at Hahasu and Famha has been completed. Contractor applied for building permit for Assumption Drive.	Completion Date: October 28, 2020
	Construction Services	
Project Description:	The project is intended to replace existing water lines that have been found by operations to be leaking and/or are causing service delivery to less than what GWA is required to provide. The project will replace water mains at ten known locations throughout the island and a component within the bid where line replacement work for unknown locations is accounted for.	

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

Project Description:	 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 and acministrate that according the property of the construction and acministrate that according the construction and acministrate that according the construction and according to the construction
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CONSTRUCTION PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction (Pernix)	Start Date: December 1, 2016
99% Complete	Activities/Notes: Astumbo #1 (New Concrete): Contractor working on commissioning of the flow meter and tank level sensor. Pernix work stopped because employee was positive for COVID. Work is resuming in November.	Completion Date: October 31, 2018
	Construction Services	
Project Description:	This project will involve construction of two (2) 2MG concrete tanks and Booster Pump Station at the Yigo site and a one (1) 2MG concrete tank at the Astumbo site. Work will involve new pipe line, valves, electrical controls, pumps and motors, site drainage, paving, generator for the BPS, SCADA, etc.	

CONSTRUCTION MANAGEMENT	Yigo/Astumbo Tank Construction Management (GHD)	Start Date: December 2016
PW 09-11, PW 12-05		
99% complete	Activities/Notes: Working to complete project close out requirements but due to additional time required by contractor the CM services required as well.	Completion Date: August 2019

N/A	Construction Management services	
Project Description:	The work performed under this project procureme Construction Management and Inspection Service existing steel elevate and ground tanks as well as the 2MG concrete tanks at the Yigo tank location location. The overall goal of the Construction Manage the entire construction process so that the delivered efficiently and professionally.	es for the demolition of the construction of and Astumbo tank nager (CM) is to

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

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

	improvements.	
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

CONSTRUCTION MANAGEMENT PW 09-11	Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)	Start Date: April 2018
0% Complete	Activities/Notes: NTP issued 10/03/2019. Pending permits with SHPO, GEPA and DPW. GWA is waiting on designer - TGE to provide archaeological port for Sinifa site. The remaining sites are still under review by SHPO. SHPO has responded on two sites. TGE/Search must address SHPO's comments. Stop order was issued for the CM until contract extension and fee negotiation. Change Order No. 1 issued. GWA will issue NTP to GHD once work onsite starts.	Completion Date: TBD (Pending NTP)
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

CONSTRUCTION PW 09-11	Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction (AIC)	Start Date: October 2019
0% Complete	Activities/Notes: NTP issued 10/03/2019. Pending permits with SHPO, GEPA, and DPW. Clearing and Grading Permits, and Building Permit 1. Santa Rosa: Clearing/grading and excavation work to begin 11/23/2020. 2. Santa Rita: Clearing/grading permit expected in November. 3. Sinifa: SHPO signature required prior to DPW submission.	Completion Date: TBD

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

CONSTRUCTION	Pressure Zone Realignment and Tank Repair-Replacement – Phase I (Sumitomo)	Start Date: December 17, 2019 (Notification of Award)
0% Complete	Activities/Notes: NTP issued 05/06/2020. Project sign has been installed at Kaiser site. Building permit is currently pending. DPW issued Building Permit on 10/06/2020 and retracted it shortly after. Plan revisions are back under review by Highway Encroachment. Permit continues to be pending. CCU Resolution No. 40 FY-2020 was passed 09/22/2020 awarding 2 additive bid items, Terao and Maimai PRVs, to SMCC.	Completion Date: May 6, 2021
N/A	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services for the installation of control valves (PRVs, PRSVs), piping, and related electrical upgrades to properly control and measure system flow between zones.	

DESIGN PW 05-12	Pressure Zone Realignment and Tank Repair-Replacement (GHD)	Start Date: August 2018
Design will be done in Phases.	Activities/Notes: Designer submitted Phase II 60% plans on 08/04/2020 and reviewed by Water CIP	Completion Date:
Phase I - 100% (Design)	Engineering team on 08/11/2020. Operations will also be providing information for further design progress. Engineering and operations to further	
Phase II - 70% (Design)	investigate Phase II sites.	
N/A	Engineering design services	
Project Description:	The design project is intended to assess current and recommended pressure zones, and design and install control valves (PRVs, PRSVs) to properly control and measure system flow between zones. Scope also includes setting up pilot DMAs; and design for new or repaired water tanks needed to complete the court order tank requirements.	

DESIGN, CONSTRUCTION, CONSTRUCTION MANAGEMENT PW 09-11	Tank Repair and Bypass (DCA, AIC, GWA)	Start Date: May 1, 2020
7% Complete	Activities/Notes: Construction contract effective 04/21/2020. NTP issued 05/01/2020 with modified language for work starting onsite. Pre-Construction Meeting conducted. AIC has submitted permit to DPW. AIC, GWA, and DCA have been progressing with submittals and RFIs. Agat-Umatac, Yigo no. 3 and Astumbo no. 1 repairs ongoing. Bypass work at multiple sites ongoing.	Completion Date:
Project Description:	The work to be performed under this project consist of installing by-pass piping, valves, etc. ahead of certain tank inspection work. The operation of the by-pass will allow the tank inspector to determine appropriate repairs after which the contractor will proceed to repair the tank.	

DESIGN PW 09-02	New Well Site Development - Y-08, AG-10, AG-12 (GHD)	Start Date: September 2018 (Extension)
99% Complete	Activities/Notes: 100% plans and specifications were submitted on 06/04/2020. Change Order no. 8 to complete final plan set and engineer estimate is under negotiation with GHD.	Completion Date: TBD
N/A	Engineering Design Services	
Project Description:	The design project is intended to design 3 new wells to increase production capacity. The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, construction schedule, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction.	

PW 14-01	Fire Hydrant Replacement Phase I (Mega United Corporation, Ltd.)	Start Date: October 19, 2019
0% Complete	Activities/Notes: Mega United still in the process of securing clearances for Building Permit with the various village mayors.	Completion Date: October 25, 2020
Project Description:	The work performed under this project consist of replacing the dry barrel fire hydrants with wet barrel type fire hydrants. The replacement will involve removal of defective fire hydrant laterals, gate valves, hydrant stem and barrel and other appurtenances necessary to complete the project.	

CONSTRUCTION	Groundwater Well Production Meter	Start Date:
PW 05-07	Replacement Project (Giant	April 29, 2020
	Construction)	
6% Complete	Activities/Notes: First container of valves, pipes, and fittings expected to arrive first week of November 2020 Second container of valves, pipes, and fittings expected to arrive third week of November 2020. Shipment for water meters are expected to arrive mid-December but could be delayed due to holidays.	Completion Date: June 28, 2021
	Construction services	
Project Description:	Work to be performed under this project shall consist of replacing the production well meters and associated well head piping. Construction management is performed in-house.	

D. CIP Wastewater Section

CONSTRUCTION	Bayside SPS Improvements Design	Start Date:
WW 09-06	(EMPSCO)	
0% Construction Services	Activities/Notes: Mobilized on 11/10/2020. Archeological shovel testing done this week, submittal review and procurement on-going. Pumper truck to pump out sewage at existing wet well will be used if island shut down. Upcoming Contract Change Request.	Completion Date: November 28, 2021
CO #3	Engineering design services	
Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges and install underground power cable due to GPA's concern that existing power pole, located on the bank is at risk of being lost due to storm surges.	

CONSTRUCTION WW 11-04	Umatac-Merizo WWTP Design Build Improvements Project (CoreTech)	Start Date: June 2017
100% Design 100% Construction	Activities/Notes: - Final Payment submitted by Contractor and forwarded to GWA together with CO#23, recommendation for 100% completion and acceptance. GWA sent letter of acceptance to Contractor.	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.
	the entire terrace.

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

E. CIP Engineering Support

DESIGN EE 09-08	SCADA System for Water and Wastewater Facilities Phase A-1 (AECOM)	Start Date: June 11, 2015
100% Complete (Design) 84% Services during construction	Activities/Notes: Minimal support activities from Designer pending negotiation with G4S for settlement on claims.	Completion Date: November 2017 - Design December 11, 2019 - (Bid and Construction Support)
N/A	Engineering design services	
Project Description:	The A/E firm will design an integrated, robust and Control and Data Acquisition (SCADA) system for wastewater systems, and to provide support servi construction. The 22 sites will consist of a combin such as production wells, reservoirs, booster pum wastewater sites include sewer treatment plants a stations. Executed by approved change orders, roriginal design scope has changed from 22 sites of High Water Alarm for 20 critical sewer pump stadded. Scope also includes bid and construction build project of GPWA SCADA EMS project.	r GWA's water and ices during bid and lation of water facilities up station and land sewer pump number of sites in to 19 sites and design lations has been

CONSTRUCTION EE 09-08, EE 09-09	SCADA Phase A1 Construction (G4S Security)	Start Date: July 13, 2018
80% Construction	Activities/Notes: Finalizing negotiations with G4S on settlement terms and amount. Preparing change orders to amend the contract amount.	Completion Date: December 31, 2019
	Construction services	
Project Description:	The work performed under this project procureme Construction of SCADA ready instrumentation at wastewater facilities throughout the island.	

CONSTRUCTION MANAGEMENT EE 09-08, EE 09-09	SCADA Phase A1 Construction Management (GHD)	Start Date: July 13, 2018
96% Complete (due to increased contract amount and unbilled balance)	Activities/Notes: Minimal support activities from CM pending negotiation with G4S for a settlement for settlement on claims.	Completion Date: August 31, 2020
	Construction Management services	
Project Description:	The work performed under this project procureme Construction Management and Inspection Service SCADA ready instrumentation at several water ar throughout the island. The overall goal of the Cor (CM) is to manage the entire construction process can be delivered efficiently and professionally.	es for the installation nd wastewater facilities nstruction Manager

F. GIS Section

MAPPING MC 05-02	Island Wide Survey- (Duenas, Camacho & Ass.)	Start Date: December 2007
99% complete	Activities/Notes: Map regarding Airport Tank easement boundary is pending easement agreement with GIAA and final parceling map.	Completion Date: October 2019
	Survey services	
Project Description:	The contracted land surveyor is required to conduproperty valuation and mapping of property bound facilities are located, including the lots which are r GWA's name.	daries where GWA

MAPPING MC 05-02	Island Wide Survey PH II - (Duenas, Camacho & Ass.)	Start Date: August 30, 2017				
80% complete	Activities/Notes: First set of land registration maps (5): DCA performing field survey. First 2 land registration maps in GWA review process.	Completion Date: December 2019 - Request for extension sent to GM 10/29/2019 - due to myriad of reasons, extended periods of inclement weather, delays in DLM Survey review and approval of property maps and changes of additional scope of survey work.				
	Survey services	odivoy work.				
Project Description: The work performed under this project procurement shall consist of professional land surveyor conducting field work to mark corners of existing government properties as a means of severing out portion the larger property to be deeded to GWA. Surveyor shall also prepared all necessary maps and documents for recording at DLM.						

G. Permits Section

PERMITS MONTHLY REPORT 2020

		2020											
Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Building Permit	23	22	23	1	1	8	31	15	5	17			129
Occupancy Permit	6	31	25	1	1	21	27	10	2	26			124
New Installation	4	17	15	0	0	9	10	12	21	10			88
Sewer Application	0	1	4	0	0	1	4	4	4	13			18
Sewer Inspection	0	0	1	0	0	3	1	2	2	0			9
Private Utility Acceptance	0	0	0	0	0	0	0	0	0	0			0
Relocation of Water	0	2	0	0	0	0	1	4	0	0			7
Meter													
Tapping-Water	1	5	3	0	0	0	2	2	11	0			24
Tapping-Sewer	1	5	3	0	0	0	0	0	2	0			11
Clearance-Water	14	10	20	12	12	18	20	46	12	14			164
Clearance-Sewer	14	10	20	12	12	18	0	0	0	0			86
Highway Encroachment	36	5	20	0	0	31	49	4	57	48			202
Verification of Utilities	6	6	1	1	1	1	12	12	7	9			47
Fire Flow Test	0	3	0	0	0	0	1	0	0	1			4
Schedule Water Outage	0	0	0	0	0	0	0	2	0	0			2

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

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

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

Subscript comments are based on what occurred during the month of October

- a1 Majority of clearance requests were submitted and delayed until the customers knew when their construction work would start.
- a2 Some VOU replies were delayed when other staff assignments needed urgent responses.

H. USEPA SRF Project Status Report

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

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

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

Red text anywhere indicates a change from the last report.

Less than 50% Project Scope of work development in progress

 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

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 11/05/2020
3 Asan-Adelup- Hagatna RT1 Sewer Line Rehabilitation and Replacement	Rehabilitation of sewer lines from the War in the Pacific Asan Park to the Governor's Complex in Adelup. This line is asbestos concrete that is dilapidated and some areas have disintegrated crowns.	Brown & Caldwell	Design	2	12/11/2015	3/30/2017 for Design requirements	\$ 1,780,210.00	HDR	HDR assisting as needed. Also, Archaeological monitoring through HDR contract. HDR CO for archaeological monitoring and additional construction services services approved by GWA. This CO will include design services for Phase II (Adelup to Hagatna).
			Construction	2	11/9/2018	3/8/2020	\$6,275,782.88	InfraTech	Infratech (via Allied Trenchless) completed Cleaning/CCTV for areas they were able to access. CO#5 submitted to GWA for approval. Covers some additional work plus adds time. Continuation of point repairs at Ramona St. Pending SHPO approval of preservation plan. Plan approved by SHPO. Work at the point repairs resumed on October 20, still on-going. Work on sewer crossing Rt.1 into the Asan Pump Station continues. Pipe installed across the full length of the roadway. Backfilling underway.
			Construction (Phase II)				\$ 4,000,000.00		Asan-Adelup-Hagatna Bid advertised on 06/16/2020. Bid submission date moved to 09/03/2020. Four Bids received. PPBC is the apparent low bidder. Low bidder responsibility being evaluated. Contractor was asked to provide information substantiating the liner company and liner worker experience to determine qualifications meeting the requirements specified. Adelup to Hagatna Low bidder PPBC rejected for non-responsibility determination. PPBC so advised. GWA evaluating second low bidder - CoreTech
			СМ	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	Rehabilitation of a large segment of sewer line fronting the War in the Pacific Park in Agat that has collapsed.	Brown & Caldwell	Design	3	11/17/2015	3/30/2017 for Design requirements	\$ 316,681.00	SSFM	Providing designer support during construction. Final invoice submitted to GWA on 05/01/2020. Project is completed.
керветен	Conspice.		Construction	3	8/31/2017	10/1/2018 (Contractor in LD period)	\$4,688,042.38	ProPacific	FOIA request. Currently gathering correspondence records and contract documents. PPBC needs to submit final CCTV and paperwork for review and acceptance of pipe between SMH 2 through 10. All work now completed. PPBC submitted a request for CO to resolve excess excavated materials, time extension, LD time, and other costs to BC. CO sent to GWA but prior to executing, the matter of LD assessment must be resolved. BC is working on this now. The final payment request is to accompany the change order to reconcile contract obligation
			Construction (Phase 2)						payment request so accompany the change of the office of the contract configators amount. BC requesting final invoice from PPBC together with final As-Builts. BC working with GWA on assessment of LDs and Special Damages. Working on final payment quantities. Pending response from Kelly. B&C working with HDR to prepare bid documents for RT1 Asan-Adelup-Agana PH2.
			СМ	3	9/19/2017	10/1/2018	\$ 749,950.00	TG Engineers	Assembling close-out documentation.

Project	Project Description	Project Manager			Start Date (NTP Issued)	Anticipated Completion Date	change orders	Contractor	Status as of 11/05/2020
7 Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12,	wells and/or in cases where pipe column needs replacing, wells		Design	6	5/27/2016	2/28/2018 (for design only)	\$ 1,758,247.00	AECOM	Bid and Construction Support Services on hold until construction IFB is issued.
D-5)	D-5) will be re-drilled. The deep we to be rehabilitated are F-3, A-2 7, A-12 & D-5.		Construction	4					Designer expected to submit revised bid package to GWA on 05/25/20. Bid package received from designer.
									Re-Bid Package, IFB was sent out on 08/04/2020. A Pre-Bid Conference was conducted virtually by GoToMeeting and scheduled on 08/18/2020 at 10am. Any RFIs must be submitted on or before 08/25/2020. All Bids will be accepted 3pm on 09/24/2020.
									No firm submitted a bid proposal. GWA Project Engineer to reassess and make additional changes to the bid package.
			СМ	4					Negotiations with SSFM have terminated on 08/05/2020. GWA to start negotiations with 2nd qualified consultant, DCA on 08/12/2020.
									DCA sent their Final Fee Proposal on 09/21/2020 in the amount of \$640,248.00. GWA is starting the CM contract agreement process.
8 Tumon Sewer Hot Spots	Investigation, evaluation, and repair of possible solutions, to long plaguing issues where	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.
	sewer overflows are known to occur in Tumon San Vitores.		Construction	See Project 15	12/1/2018	12/31/2019	See Project 15	See Project 15	See Project 15
			СМ	See Project	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	Rehabilitation of sewer lines that are located from Agana McDonalds to Marine Drive that have been known to overflow	Brown & Caldwell	Design	9	3/1/2016	4/22/2017	\$ 794,000.00	AECOM	AECOM concluded that the intertie pipe that was installed with deviations (not first approved) from the design plans does not have a significant effect on the performance of either sewer line. GWA asked for concurrence of acceptance. GWA accepted as constructed.
	due to structural issues.		Construction	5	9/3/2018	6/30/2020	\$ 3,998,688.00	Insituform	Insituform/Mocon completed all CIPP and post-CCTV. GWA will not install "top hats" on the 4 reinstated service connections under this contract. This work will be added to Rt.1 phase 2 construction.
									CCU approved Change Order #5 to increase contingency authorization.
									Submitted Change Order #6 submitted to GWA for approval. Decision by GWA regarding LDs needed to process final payment. Pending response from Barbara Cruz.
				6	9/25/2018	6/30/2020	\$ 3,407,848.00	ProPacific	PPBC completed all work under this contract. Final inspection on October 19. Substantial Completion was on 10/09/2020. Final completion was on 10/13/2020.
			CM	6	11/15/2018	12/31/2019	\$ 702,678.13	EMPSCO	Consultant assembling close-out documentation.

Project		Project Manager			Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 11/05/2020
Southern SSES Sewer	Rehabilitation of segments of sewer lines in Windward Hills,	Brown & Caldwell	Design				The design was pr	eviously complet	ed under bond funding.
Sewel Rehabilitation (Baza Gardens- Talofofo)	Talofofo area where the Sanitary Sewer Evaluation Study recommends rehabilitation.		Construction	8	8/2/2016	Due to issue related to Santa Rita sewer project completion under analysis.	\$ 1,189,815.00	ProPacific	Santa Rita SHPO: SEARCH currently reviewing comments and editing AMDP. SEARCH is coordinating access to SHPO's research library. SHPO – AMDP submitted. Waiting SHPO review. CatEx to be completed after approval. Nationwide Permit: approved 06/27/2020. Easement: Right of Entry signed by property owner. GWA working with legislature to complete easement. Construction Fusible PVC being shipped to Guam. Will arrive by early November. Completed pump station controls review. Design Conditionally approved. PPBC started DPW building permit. Baza Gardens/Talofofo PPBC completed work for Change Order 4 on 11/04/2019. Processed invoice (52, 245.36).
			СМ	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	EMPSCO beginning closeout. EMPSO submitted pay app for project closeout. BC will review closeout documents and invoice for payment.
Tamuning Sewer Hot Spots	Sewer rehabilitation for lines at Winner Apartments, Segund Leon Guerrero, and behind Guam	G. Gattoc	Design	10	9/9/2016	10/31/2017 (for design only)	\$ 663,629.00	TG Engineers	TGE to provide engineering support services during bid process and construction.
	Premium Outlets.		Construction	9	1/30/2020	12/31/2020		lan Corporation	and is working with HEP office to revise and resubmit for approval. Contractor continues to revise/re-submit material and document submittals in conjunction with CM review. Contractor has ordered all approved materials. Contractor preparing revised construction schedule The current PCOR1 lockdown is impacting permit processing. By appointment only. Construction will start when the building permit is issued.
			СМ	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).

	Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount (+) change orders	Contractor	Status as of 11/05/2020
	Talofofo Sewer Pump Stations (4 stations)	Design and construction of 4 sewer lift stations in the Talofofo village where sewer lines are installed but never completed.	J. Miller	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	11/30/2017	\$ 493,818.	86 EMPSCO	Cost Estimates are being evaluated for the construction IFB. Reviewing sewer connection laws and regulations for establishing updated expected flows.
										Invoice received June 8, 2020. Need to finalize cost estimate prior to paying for final documents.
				Construction	10	12/27/2018	8/31/2020	\$ 2,411,418.0	Giant Const.	Latest letter from GWA extends project completion date to August 31, 2020. Pending response from Giant. Team clean water test to be as soon as Thursday, November 5th, 2020. Auto-dialer alert system still not in operation. Trying to solidify a testing and startup plan from Giant.
										During review of the factory performance tests, it was discovered that the wrong pumps were supplied for the Ayuyu station. On 10/19/20, JMI stated that site labels were switched between Ayuyu and Taitague factory tests. GWA to review. Waiting on confirmation that the pumps were corrected.
										Change Order 03, for additional Bollards and reduced Concrete Collars executed on 10/30/2020. Contract price reduced to \$ 2,384,251.28.
										Payment Application 09 received. COP with Acting Chief for signature.
				СМ		12/1/2018	12/31/2019			GWA Engineering will management construction management tasks.
	Water Hydraulic Model	Design and construction of instrumentation at key water	Barbara Cruz	Design	12	8/3/2016	3/15/2017	\$ 523,268.		Design complete.
		sites in the Barrigada service area necessary to update GWA Water hydraulic model.	J. Mendiola/G. Yeoh	Construction (Phase I)	12	8/3/2016	6/30/2020	\$ 4,532,000.0	00 Sumitomo	Permit was issued by DPW. Construction Kick-off meeting was held on 10/15. Contractor has begun mobilizing week of 10/12. Change Order no. 1 to award 2 additive bid items is in the works.
				СМ		6/15/2019	6/30/2020			
	Project Advertisement	Each IFB or RFP requires advertising	Engineering/ Procurement	MISC	1			\$ 25,172.5	O PDN/Post	On-going
	Dungca Beach Sewer Improvements		GWA CIP Engr	Design						Waiting USEPA direction regarding Archeological issues and concerns.
25	Hagatna Sewer Pump Station Force		GWA CIP Engr	Design						A/E Service Procurement.
	Main									Initial inspection with Scott Wenger, GHD, conducted on Friday, 10/16/2020.
										GHD to provide possible design solutions and fee proposal.
										NEPA Documents are still in progress. SHPO requires an Archaeological Monitoring Plan.
	Fujita Sewer Pump Station Force Main		GWA CIP Engr	Design						Conducted site visit with design firm (AECOM) on October 30,2020. *Compiling existing as -builts/design plans/studies/boundary information to establish scope of work and design fees for the selected firm.
	Well Rehab A-28, M-14, D-15 & F-7		GWA CIP Engr	Design						Draft scope of work with Chief Engineer for review.

\$ 65,741,613.02



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Financial Statement Overview October 2020

During the month of October, the number of COVID-19 positive tests were over 2,000 and there were 30 COVID-related fatalities reported. Executive Order 2020-38 extended the public health emergency from October 30, 2020 to November 29, 2020. In early November, the Governor introduced the *Strive for Five* campaign to bring down our CAR (COVID Area Risk) score from 9.8 to 5 or less in hopes of moving the community towards some semblance of normalcy by Christmas. However, due to large clusters of positive cases in the construction industry, Department of Public Health has called a temporary shutdown of construction activities beginning November 14.

Due to a COVID positive case, Fadian and Julale lobbies as well as the Fadian drive thru were closed on October 21; Fadian reopened on October 22 and Julale reopened on October 27. Additional disinfection methods are being used in our facilities as precautionary measures. Except for the temporary closures, GWA cashier and customer service representative stations continue to be open to the public. Operations employees have been reporting to work observing safety precautions, while most other employees are teleworking.

Separately, the PAY GPWA application was down for several days between October 13 and October 15. GPA worked with the vendor to get the application back up quickly. The temporary office closures as well as the issues with the application are likely to have contributed to the decreased collections in October. October collections were 82% of September.

About a third of customers prefer to make payments in person. Using social media, GWA continues to encourage customers to conduct business online or via the phone. As part of this effort, GWA joined the *Going Online Together* campaign in June with several other organizations. Additionally, GWA has launched a pilot automated customer service online support portal on its website; BBMR recently provided approval for additional CARES funding to customize this portal.

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

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
May 2020	18	\$22,011	\$543	2.46%
June 2020	21	\$34,919	\$702	2.01%
July 2020	35	\$53,191	\$1,069	2.01%
August 2020	32	\$59,558	\$1,197	2.01%
September 2020	34	\$71,656	\$1,441	2.01%
October 2020	33	\$62,173	\$1,250	2.01%

October 2020 water consumption was 7% below October 2019 and October 2020 wastewater flows were 6% below October 2019. While water demand in the residential and commercial 1 customer classes were 17% and 9% higher than prior year, these increases were not sufficient to offset



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decreases across the other commercial customer classes. Similarly, the increases in wastewater flows for the residential and commercial 1 categories of 5% and 17% were not sufficient to offset decreases in wastewater flows in other commercial customer classes.

Schools continue to remain closed during PCOR 1. This impacts demand as GDOE has been one of GWA's top ten customers for both water and wastewater services. See Schedule K for Water Demand for FY2015 to FY2020.

As revenues are monitored, the cost containment plans will be put in place as needed. While sufficient cash reserves are in place, management will continue to assess the situation and make any course corrections required to ensure continuity of services to our customers while keeping the safety of our staff the highest priority.

Balance Sheet

- Total Assets & Deferred Outflows of Resources of \$1.128B in September 2020 decreased by \$2.7M or less than 1% to \$1.125B in October 2020. Current Assets decreased by \$3.1M due to reductions in cash and federal receivables. Property, Plant and Equipment decreased by \$1.7M as accumulated depreciation increases outpaced increases in plant. Other Noncurrent Assets increased by \$2.2M due to increase in investment balances. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$868.8M in September 2020 decreased by \$1.7M or less than 1% to \$867.1M in October 2020 primarily due to reductions in contractors payable.
- Accounts Receivable days were 49 in October 2020 as compared to 47 in September 2020 and Accounts Payable days were 36 in October 2020 and in September 2020.

Statement of Operations and Retained Earnings

- Total Operating Revenues for October 2020 of \$8.2M were 14% or \$1.3M less than budget and 9% or \$839K less than October 2019 due to the impact of the COVID-19 public health emergency and offset by the 5% increase effective in March. The 5% increase in October 2020 will be reflected in November 2020.
- Total Operating Expenses for October 2020 of \$6.6M were \$842K or 11% higher than budget. Total Operating Expenses for October 2020 were 6% or \$434.4K less than October 2019 with decreases in most expense categories except for depreciation and retiree benefits.
- Earnings from Operations for October 2020 of \$1.5M were 23% or \$462K less than budget and 21% or \$405K less than October 2019. Change in Net Assets for October 2020 of -\$973K were \$3.8M less than the \$2.8M budget mainly due to \$3.3M less in Grants and \$1.2M less than October 2019 due to \$772K more in Non-Operating Expenses.

On October 27, 2020, GWA received reports on the rebate liability due to arbitrage for the various GWA bonds. No liability exists to date.

The work on the FY22 budget has begun with the issuance of the budget call documents. Several virtual meetings have been conducted to walk thru the forms. The submission will cover three years



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as the budgets will be part of the comprehensive update and review scheduled for May 2021. Work on the analytical studies are well underway and include:

- 1. Demand Forecast
- 2. Water Loss Reduction
- 3. Cost-of-Service Analysis
- 4. Affordability Study / Rate Design
- 5. Alternative Capital Financing
- 6. Capitalized Labor
- 7. Cesspool / Septic Tank Elimination

Key Financial Indicators

Indicator	Target	September 2020	October 2020
DSC YTD			
 Per Section 6.12 of Indenture 	1.25	1.30	1.38
Per PUC / CCU	1.40	1.30	1.38
Days - Cash on Hand	120 days	311 days	271 days
Collection Ratio			
 Month to Date 	99%	114%	90%
Year to Date	99%	99%	90%
Days Billed	30 days	30 days	30 days
Account Receivable Days	30 days	47 days	49 days
Account Payable Days	45 days	36 days	36 days
Employee Count	400 FTE	379 FTE	376 FTE
Water Demand			
 Month to Date 	478,754	472,192	435,500
Year to Date	478,754	5,757,733	435,500
Wastewater Flow			
 Month to Date 	356,472	306,686	316,069
Year to Date	356,472	4,032,564	316,069
Water Customers	42,839	42,838	42,919
Wastewater Customers	29,805	29,363	29,259

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GUAM WATERWORKS AUTHORITY Balance Sheet October 31, 2020

SCHEDULE A

	Unaudited	Unaudited	Increase
ASSETS AND DEFERRED OUTFLOWS of RESOURCES Current Assets	October 31, 2020	September 30, 2020	(Decrease)
Cash			
Unrestricted (Schedule G)	41,965,590	42,486,239	(520,649)
Restricted Funds (Schedule G) Accounts Receivable Trade, Net of Allowance for Doubtful Receivables	29,152,503 13,057,305	30,072,502 12,563,838	(919,999) 493,467
of \$8,188,997 at Oct 31, 2020 and \$8,027,857 at Sep 30, 2020 Federal Receivable	5,757,232	7.755.755	(1,998,524)
Other Receivable	894,315	888,495	5,821
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Oct 31, 2020 and \$64,131 at Sep 30, 2020	4,686,192	4,804,463	(118,271)
Total Current Assets	95,513,136	98,571,292	(3,058,154)
Property, Plant and Equipment Utility plant in service			
Water system	378,522,120	378,420,144	101,976
Wastewater system	480,533,485	480,533,485	-
Non-utility property Total property	25,752,939 884,808,544	25,752,939 884,706,567	101,976
Less: Accumulated Depreciation	(345,230,369)	(343,112,883)	(2,117,486)
Land	5,240,187	5,240,187	-
Construction Work in Progress Property, Plant and Equipment, net	144,596,788 689,415,150	144,253,876 691,087,749	342,911 (1,672,599)
Property, Frant and Equipment, net	009,410,100	091,007,749	(1,072,399)
Other noncurrent assets and deferred charges	040 005 700	040.000.000	(007.040)
Restricted cash (Schedule G) Investments (Schedule G)	218,235,796 69,312,354	219,203,039 66,616,997	(967,243) 2,695,357
Other Prepaid Expenses	3,128,988	2,615,782	513,206
Regulatory Assets	430,962	430,962	-
Total other noncurrent assets and deferred charges	291,108,099	288,866,779	2,241,320
Total Assets	1,076,036,385	1,078,525,819	(2,489,433)
Deferred outflows of resources			
Debt defeasance due to bond refunding	33,179,704	33,351,801	(172,097)
Deferred outflows from pension	9,057,499	9,057,499	-
Deferred outflows from OPEB Total Assets and Deferred Outflows of Resources	6,982,196 1,125,255,785	6,982,196 1,127,917,316	(2,661,530)
Current Liabilities Current maturities of long-term debt Series 2013 Revenue Bond Series 2014 Refunding Bond Series 2014 Revenue Bond	2,990,000 530,000	2,695,000 3,760,000	295,000 (3,230,000)
Series 2016 Revenue Bond Series 2017 Refunding Bond	3,860,000 2,040,000	420,000	3,440,000 2,040,000
Accounts Payable -Trade	3,033,906	2,708,771	325,134
Accrued and Other Liabilities	950,721	1,239,059	(288,337)
Interest Payable Accrued Payroll and Employee Benefits	8,864,237 506,745	6,304,598 354,780	2,559,639 151,966
Current portion of employee annual leave	521,641	616,114	(94,473)
Contractors' Payable	17,969,749	22,218,745	(4,248,996)
Customer and Other Deposits Total Current Liabilities	2,168,130 43,435,129	2,199,462 42,516,529	(31,332) 918,601
Total Current Liabilities	43,433,129	42,510,529	910,001
Long Term Debt, less current maturities	04.050.000	04.045.000	(005.000)
Series 2013 Revenue Bond Series 2014 Refunding Bond	24,350,000 64,610,000	24,645,000 61,380,000	(295,000) 3,230,000
Series 2016 Revenue Bond	139,030,000	142,470,000	(3,440,000)
Series 2017 Refunding Bond	105,325,000	107,365,000	(2,040,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond Unamortized Bond Premium/Discount	166,075,000 42,359,174	166,075,000 42,515,523	(156,349)
Net pension liability	49,593,171	49,593,171	-
Net OPEB obligation	62,656,405	62,656,405	-
Employee Annual Leave, Less Current Portion Employee Sick Leave	1,273,668 1,226,702	1,179,195 1,226,702	94,473
Total Liabilities	833,934,249	835,622,524	(1,688,275)
Deferred inflows of resources:			
Deferred inflows from pension Deferred inflows from OPEB	1,444,744 31,758,062	1,444,744 31,758,062	- -
Total Liabilities and Deferred Inflows of Resources	867,137,055	868,825,330	(1,688,275)
			<u> </u>
Net Assets	258,118,729	259,091,985	(973,256)
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,125,255,784	1,127,917,316	(2,661,531)

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

SCHEDULE B

	Month to Date		Variance
		Actual (Unaudited)	Favorable /
	October-20	October-20	(Unfavorable)
OPERATING REVENUES			
Water Revenues	5,863,373	5,240,912	(622,462)
Wastewater Revenues Legislative Surcharge	3,226,426	2,580,033	(646,393)
Other Revenues	274,214 35.895	236,103 16,911	(38,111) (18,984)
System Development Charge	77,442	99,777	22,335
Total Operating Revenues	9,477,350	8,173,736	(1,303,614)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	718,609	500,000	218,609
Power Purchases	1,082,131	988,701	93,430
Total Utility Costs	1,800,740	1,488,701	312,039
Salaries and Wages	1,769,221	1,547,161	222,060
Pension and Benefits	606,991	588,460	18,531
Total Salaries and Benefits	2,376,212	2,135,621	240,591
Capitalized Labor and Benefits	(308,333)	(332,775)	24,442
Net Salaries and Benefits	2,067,879	1,802,846	265,032
Administrative and General Expenses	404.007	404.405	(0.570)
Sludge removal Chemicals	131,907	134,485	(2,578)
Materials & Supplies	196,696 182,935	124,795 86,379	71,901 96,557
Transportation	37,298	34,136	3,162
Communications	14,528	7,333	7,195
Claims	5,181	-	5,181
Insurance	76,685	78,330	(1,645)
Training & Travel	29,321	-	29,321
Advertising	11,346	4,671	6,675
Miscellaneous	89,396	80,563	8,833
Regulatory Expense	24,155	8,958	15,196
Bad Debts Provision Total Administrative and General Expense	139,113 938,561	161,138 720,787	(22,025) 217,773
Depreciation Expense	1,855,919	2,117,486	(261,567)
Contractual Expense	1,000,010	2,117,400	(201,001)
Audit & Computer Maintenance	92,904	94,319	(1,415)
Building rental	41,352	37,471	3,881
Equipment rental	87,524	27,387	60,137
Legal	563	-	563
Laboratory	35,382	7,500	27,882
Other	267,774	80,658	187,116
Total Contractual Expense Retiree Supp. Annuities and health care costs	525,500 233,386	247,335 201,273	278,164 32,113
Contribution to Government of Guam	48,546	50,333	(1,787)
Total Retiree Benefits	281,932	251,606	30,326
Total Operating Expenses	7,470,530	6,628,762	841,768
Earnings (Loss) from Operations	2,006,820	1,544,973	(461,846)
Interest Income - 2010/13/14/16/17/20 Series Bond	128,299	2,118	(126,181)
Interest Income - Other Funds	29,550	600	(28,950)
Interest Income - SDC	2,488	7,981	5,494
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,638,329)	(2,559,639)	78,690
Interest Expense - ST BOG	-	- 27 176	- 27,176
Federal Expenditures Amortization of Discount, Premium and Issuance Costs	(23,078)	27,176 154,599	177,677
Defeasance due to bond refunding	(22,439)	(172,097)	(149,658)
Total non-operating revenues (expenses)	(2,523,508)	(2,539,263)	(15,755)
Net Income (Loss) before capital contributions	(516,688)	(994,290)	(477,601)
Capital Contributions			
Grants from US Government	3,311,071	13,928	(3,297,143)
Grants from GovGuam & Others		7,106	7,106
Total Capital Contributions	3,311,071	21,034	(3,290,038)
Change in Net Assets	2,794,383	(973,256)	(3,767,639)
B140 1 01 1 0			
Debt Service Calculation	0.000.000	4.544.070	
Earnings From Operations System Development Charge	2,006,820 (77,442)	1,544,973 (99,777)	
Retiree COLA	48,546	50,333	
Interest/Investment Income	29,550	600	
Depreciation	1,855,919	2,117,486	
Balance Available for Debt Service per Section 6.12	3,863,393	3,613,615	
Debt Service			
Principal	772,500	772,500	
Interest	1,996,663	1,847,251	
Total	2,769,163	2,619,751	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.38	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.38	

^{*}Adjusted budget

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

SCHEDULE C

	Month to		Variance
	Actual (Unaudited) October-20	Actual (Unaudited) October-19	Increase / (Decrease)
OPERATING REVENUES	5.040.040	5 504 000	(000,101)
Water Revenues Wastewater Revenues	5,240,912 2,580,033	5,501,092 3,127,997	(260,181) (547,964)
Legislative Surcharge	236,103	284,855	(48,752)
Other Revenues System Development Charge	16,911 99,777	36,908 62,188	(19,997) 37,589
Total Operating Revenues	8,173,736	9,013,040	(839,305)
OPERATING AND MAINTENANCE EXPENSES	=======================================		(400,000)
Water Purchases Power Purchases	500,000 988,701	600,000 1,331,315	(100,000) (342,614)
Total Utility Costs	1,488,701	1,931,315	(442,614)
Salaries and Wages	1,547,161	1,660,996	(113,835)
Pension and Benefits	588,460	547,099	41,361
Total Salaries and Benefits	2,135,621	2,208,095	(72,474)
Capitalized Labor and Benefits Net Salaries and Benefits	(332,775) 1,802,846	(275,716) 1,932,379	(57,059) (129,533)
Administrative and General Expenses	1,002,040	1,002,010	(120,000)
Sludge removal Chemicals	134,485 124,795	118,005 129,604	16,480
Materials & Supplies	86,379	118,168	(4,809) (31,789)
Transportation	34,136	31,896	2,240
Communications Insurance	7,333 78,330	13,813 77,860	(6,480) 470
Training & Travel	70,330	12,076	(12,076)
Advertising	4,671	1,284	3,386
Miscellaneous Regulatory Expense	80,563 8,958	50,066 11,353	30,497 (2,394)
Bad Debts Provision	161,138	130,494	30,644
Total Administrative and General Expense	720,787	694,618	26,169
Depreciation Expense Contractual Expense	2,117,486	1,928,015	189,471
Audit & Computer Maintenance	94,319	57,738	36,581
Building rental	37,471	35,302	2,170
Equipment rental Legal	27,387	57,880 600	(30,493) (600)
Laboratory	7,500	22,907	(15,407)
Other	80,658	162,600	(81,942)
Total Contractual Expense Retiree Supp. Annuities and health care costs	247,335 201,273	337,027 189,510	(89,692) 11,763
Contribution to Government of Guam	50,333	50,334	(1)
Total Retiree Benefits Total Operating Expenses	251,606 6,628,762	239,844 7,063,198	11,762 (434,436)
Earnings (Loss) from Operations	1,544,973	1,949,842	(404,869)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,118	229,627	(227,509)
Interest Income - Other Funds Interest Income - SDC	600 7,981	59,794 13,191	(59,194) (5,210)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,559,639)	(2,117,099)	(442,540)
Interest Expense - ST BOG Federal Expenditures	- 07.470	(3,336)	3,336
Amortization of Discount, Premium and Issuance Costs	27,176 154,599	119,970	27,176 34,629
Defeasance due to bond refunding	(172,097)	(68,976)	(103,121)
Total non-operating revenues (expenses) Net Income (Loss) before capital contributions	(2,539,263) (994,290)	(1,766,829) 183,013	(772,434)
Capital Contributions	(994,290)	100,010	(1,177,303)
Grants from US Government	13,928	-	13,928
Grants from GovGuam & Others Total Capital Contributions	7,106 21.034	-	7,106 21,034
Change in Net Assets	(973,256)	183,013	(1,156,269)
			_
Debt Service Calculation	4.544.070	1 010 010	
Earnings From Operations System Development Charge	1,544,973 (99,777)	1,949,842 (62,188)	
Retiree COLA	50,333	50,334	
Interest/Investment Income	600	59,794	
Depreciation Balance Available for Debt Service per Section 6.12	2,117,486 3,613,615	1,928,015 3,925,797	
Working Capital Reserve Available for Debt Service	-	965,043	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve Balance Available for Debt Service inclusive of reserves	3,613,615	4,890,840	
Debt Service			
Principal Interest	772,500 1,847,251	730,833	
Total	2,619,751	2,117,099 2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.38	1.38	
Debt Service Coverage (1.40X) (PUC) Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.38	1.72	
Debt Service Soverage (1.73A) inclusive of reserves (PUC)		1.12	

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

SCHEDULE D

		Actual (Unaudited)	Variance Favorable /
OPERATING REVENUES	October-20	October-20	(Unfavorable)
Water Revenues	5,863,373	5,240,912	(622,462)
Wastewater Revenues	3,226,426	2,580,033	(646,393)
Legislative Surcharge	274,214	236,103	(38,111)
Other Revenues	35,895	16,911	(18,984)
System Development Charge Total Operating Revenues	77,442 9,477,350	99,777 8,173,736	22,335 (1,303,614)
OPERATING AND MAINTENANCE EXPENSES	9,477,000	0,173,730	(1,303,014)
Water Purchases	718,609	500,000	218,609
Power Purchases	1,082,131	988,701	93,430
Total Utility Costs	1,800,740	1,488,701	312,039
Salaries and Wages	1,769,221	1,547,161	222,060
Pension and Benefits Total Salaries and Benefits	606,991 2,376,212	588,460	18,531 240,591
Capitalized Labor and Benefits	(308,333)	2,135,621 (332,775)	240,591
Net Salaries and Benefits	2,067,879	1,802,846	265,032
Administrative and General Expenses		1,000,000	
Sludge removal	131,907	134,485	(2,578)
Chemicals	196,696	124,795	71,901
Materials & Supplies	182,935	86,379	96,557
Transportation	37,298	34,136	3,162
Communications Claims	14,528 5,181	7,333	7,195 5,181
Insurance	76,685	78,330	(1,645)
Training & Travel	29,321	-	29,321
Advertising	11,346	4,671	6,675
Miscellaneous	89,396	80,563	8,833
Regulatory Expense	24,155	8,958	15,196
Bad Debts Provision	139,113	161,138	(22,025)
Total Administrative and General Expense	938,561	720,787	217,773
Depreciation Expense	1,855,919	2,117,486	(261,567)
Contractual Expense Audit & Computer Maintenance	92,904	94,319	(1,415)
Building rental	41,352	37,471	3,881
Equipment rental	87,524	27,387	60,137
Legal	563		563
Laboratory	35,382	7,500	27,882
Other	267,774	80,658	187,116
Total Contractual Expense	525,500	247,335	278,164
Retiree Supp. Annuities and health care costs	233,386	201,273	32,113
Contribution to Government of Guam Total Retiree Benefits	48,546 281,932	50,333 251,606	(1,787)
Total Operating Expenses	7,470,530	6,628,762	841,768
Earnings (Loss) from Operations	2,006,820	1,544,973	(461,846)
Interest Income - 2010/13/14/16/17/20 Series Bond	128,299	2,118	(126,181)
Interest Income - Other Funds	29,550	600	(28,950)
Interest Income - SDC	2,488	7,981	5,494
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,638,329)	(2,559,639)	78,690
Federal Expenditures	- (00.070)	27,176	27,176
Amortization of Discount, Premium and Issuance Costs	(23,078)	154,599	177,677
Defeasance due to bond refunding	(22,439)	(172,097)	(149,658)
Total non-operating revenues (expenses) Net Income (Loss) before capital contributions	(2,523,508) (516,688)	(2,539,263) (994,290)	(15,755) (477,601)
Capital Contributions	(=:=,===)	()	(,,
Grants from US Government	3,311,071	13,928	(3,297,143)
Grants from GovGuam & Others	· · · -	7,106	7,106
Total Capital Contributions	3,311,071	21,034	(3,290,038)
Change in Net Assets	2,794,383	(973,256)	(3,767,639)
Debt Service Calculation			
Earnings From Operations	2,006,820	1,544,973	
System Development Charge	(77,442)	(99,777)	
Retiree COLA	48,546	50,333	
Interest/Investment Income	29,550	600	
Depreciation Balance Available for Debt Service per Section 6.12	1,855,919 3,863,393	2,117,486 3,613,615	
Debt Service	3,003,393	3,013,015	
Principal	772,500	772,500	
Interest	1,996,663	1,847,251	
Total	2,769,163	2,619,751	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.38	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.38	

^{*}Adjusted budget

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

SCHEDULE E

	Actual (Unaudited)		
OPERATING REVENUES	October-20	October-19	(Decrease)
Water Revenues	5,240,912	5,501,092	(260,181)
Wastewater Revenues	2,580,033	3,127,997	(547,964)
Legislative Surcharge	236,103	284,855	(48,752)
Other Revenues	16,911	36,908	(19,997)
System Development Charge Total Operating Revenues	99,777 8,173,736	62,188 9,013,040	37,589 (839,305)
OPERATING AND MAINTENANCE EXPENSES	5,110,100	0,010,010	(000,000)
Water Purchases	500,000	600,000	(100,000)
Power Purchases	988,701	1,331,315	(342,614)
Total Utility Costs	1,488,701	1,931,315	(442,614)
Salaries and Wages	1,547,161	1,660,996	(113,835)
Pension and Benefits	588,460	547,099	41,361
Total Salaries and Benefits	2,135,621	2,208,095	(72,474)
Capitalized Labor and Benefits	(332,775)	(275,716)	(57,059)
Net Salaries and Benefits Administrative and General Expenses	1,802,846	1,932,379	(129,533)
Sludge removal	134,485	118,005	16.480
Chemicals	124,795	129,604	(4,809)
Materials & Supplies	86,379	118,168	(31,789)
Transportation	34,136	31,896	2,240
Communications Insurance	7,333 78,330	13,813 77,860	(6,480) 470
Training & Travel	70,330	12,076	(12,076)
Advertising	4,671	1,284	3,386
Miscellaneous	80,563	50,066	30,497
Regulatory Expense	8,958	11,353	(2,394)
Bad Debts Provision	161,138	130,494	30,644
Total Administrative and General Expense Depreciation Expense	720,787 2,117,486	694,618 1,928,015	26,169 189,471
Contractual Expense	2,117,400	1,020,010	109,471
Audit & Computer Maintenance	94,319	57,738	36,581
Building rental	37,471	35,302	2,170
Equipment rental	27,387	57,880	(30,493)
Legal Laboratory	7,500	600 22,907	(600) (15,407)
Other	80,658	162,600	(81,942)
Total Contractual Expense	247,335	337,027	(89,692)
Retiree Supp. Annuities and health care costs	201,273	189,510	11,763
Contribution to Government of Guam	50,333	50,334	(1)
Total Retiree Benefits	251,606 6,628,762	239,844 7,063,198	11,762 (434,436)
Total Operating Expenses Earnings (Loss) from Operations	1,544,973	1,949,842	(404,869)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,118	229,627	(227,509)
Interest Income - Other Funds	600	59,794	(59,194)
Interest Income - SDC	7,981	13,191	(5,210)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,559,639)	(2,117,099)	(442,540)
Interest Expense - ST BOG Federal Expenditures	- 27,176	(3,336)	3,336 27,176
Amortization of Discount, Premium and Issuance Costs	154,599	119,970	34,629
Defeasance due to bond refunding	(172,097)	(68,976)	(103,121)
Total non-operating revenues (expenses)	(2,539,263)	(1,766,829)	(772,434)
Net Income (Loss) before capital contributions Capital Contributions	(994,290)	183,013	(1,177,303)
Grants from US Government	13.928	_	13.928
Grants from GovGuam & Others	7,106	-	7,106
Total Capital Contributions	21,034		21,034
Change in Net Assets	(973,256)	183,013	(1,156,269)
Debt Service Calculation			
Earnings From Operations	1,544,973	1,949,842	
System Development Charge	(99,777)	(62,188)	
Retiree COLA	50,333	50,334	
Interest/Investment Income	600	59,794	
Depreciation	2,117,486	1,928,015	
Balance Available for Debt Service per Section 6.12 Working Capital Reserve Available for Debt Service	3,613,615	3,925,797 965,043	
Transfer to Working Capital - Debt Service Reserve	-	905,045	
Transfer to Working Capital - D&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	3,613,615	4,890,840	
Debt Service			
Principal	772,500	730,833	
Interest Total	1,847,251 2,619,751	2,117,099 2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.38	1.38	
Debt Service Coverage (1.40X) (PUC)	1.38		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.72	

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

SCHEDULE F

Funding Summary

Total available project funds	\$ 12,769,639
Total project expenditures and encumbrances	 10,439,324
Total unobligated project funds	\$ 2,330,315

Projects Funded

Project Description	Expenditures	Outstanding Encumbrances	Expenditures and Encumbrances
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,150,881	3,090	1,153,971
Central Guam Reservoirs	-	280,040	280,040
Line Replacement Phase IV	-	256,937	256,937
Northern DWWTP	19,409	5,403,190	5,422,599
Northern DWWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	72,836	527,033	599,869
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofofo Sewer Improvement	-	241,142	241,142
Umatac Merizo WWTP	-	42,783	42,783
Groundwater Well Production Meter Rep.	-	151,207	151,207
·	\$ 3,529,188	\$ 6,910,137	\$ 10,439,324

1,5	500,000
1,0	000,000
\$ 2,5	500,000
_	\$ 2,5

GUAM WATERWORKS AUTHORITY Restricted and Unrestricted Cash Summary FY2021

SCHEDULE G

	Unaudited	Unaudited	Increase
Description	October 31, 2020	September 30, 2020	(Decrease)
UNRESTRICTED	2,000	2,000	
Change Fund Petty Cash	2,000 4,450	4,450	-
BOG Deposit Accounts	5,308,653	5,567,992	(259,339)
BOG O & M Reserve	25,689,630	25,689,390	240
BOG CapEx Fund	10,960,857	11,222,407	(261,550)
Sub-total Unrestricted	41,965,590	42,486,239	(520,649)
RESTRICTED			
ANZ Bank	1,611	_	1,611
Bank Pacific	28,529	29,243	(714)
Bank of Hawaii	311,982	191,250	120,732
Community First FCU	-	1,976	(1,976)
First Hawaiian Bank	29,420	43,451	(14,031)
Bank Pacific Surcharge	628,083	420,680	207,402
Bank Pacific Escrow Deposit	842,359	842,331	28
BOG Customer Refunds	2,069,752	2,063,361	6,391
BOG Emergency Reserve Fund	6,243	6,243	-
BOG Sewer Hookup Revolving Fund	68,217	67,809	409
BOG Operation and Maintenance Fund BOG Revenue Trust	3,162,172	3,083,482	78,690
BOG Revenue Trust Fund	419,646 6,097,362	254,619	165,027
BOG Capital Improvement Revenue Fund	5,595,647	7,929,291 5,361,363	(1,831,929) 234,284
BOG Debt Service Reserve	5,595,647	3,301,303	254,264
De de Dobre del vide Nederve	19,261,024	20,295,100	(1,034,076)
BOG - SDC Deposit	3,641,479	3,527,401	114,077
BOG - SDC CDs	6,250,000	6,250,000	-
Total SDC	9,891,479	9,777,401	114,077
Total Restricted	29,152,503	30,072,502	(919,999)
Reserve Funds			
BOG Series 2013 Construction Fund	8,356,545	8,647,934	(291,389)
BOG Series 2014 Refunding Construction Fund	219,101	219,099	(291,309)
BOG Series 2016 Construction Fund	68,356,562	68,518,206	(161,643)
BOG Series 2017 Refunding Construction Fund	5,759,546	6,206,732	(447,185)
BOG Series 2020A Construction Fund	123,209,925	-	123,209,925
BOG Series 2020A Capitalized Interest Fund	12,283,734	123,277,054	(110,993,320)
BOG Series 2020A Cost of Issuance Fund	50,382	12,283,633	(12,233,251)
B20B- BOG COI Fund 184000	-	50,382	(50,382)
Total Restricted - Held by Trustee	218,235,796	219,203,039	(967,243)
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	1,632,978	1,810,544	(177,566)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	1,363,963	1,048,374	315,588
USB Series 2014 Refunding Debt Service Reserve Fund	7,735,600	7,735,395	205
USB Series 2016 Debt Service Fund	3,732,918	2,815,863	917,055
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,556	31,556	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	- 047.000
USB Series 2017 Debt Service Fund USB Series 2020A Debt Service Reserve Fund	2,519,568	1,902,205	617,363
USB Series 2020B Debt Service Reserve Fund USB Series 2020B Debt Service Reserve Fund	6,659,700 1,022,711	6,659,700	-
Total Investments	69,312,354	66,616,997	1,672,646
Total Restricted and Unrestricted Cash	358,666,242	358,378,776	(735,245)

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

SCHEDULE H

A G I N G													
Customer Name	No. of Accounts		Current	31	l - 60 days		61 - 90 days	9	01 - 120 days	o	ver 120 days		Total
Autonomous Agencies (Active)													
Guam Int'L Airport Authority	7	\$	39,880	\$	34,589	\$	14,545	\$	9,484	\$	266,795	\$	365,292
Guam Power Authority	25		207,565		6,726		· -		-		· -		214,291
Guam Housing & Urban Renewal Authority	9		18,890		1,040		618		-		-		20,548
Guam Memorial Hospital Authority	3		4,513		2,498		8,676		-		-		15,687
Guam Visitors Bureau	1		3,047		-		-		-		-		3,047
Port Authority Of Guam	5		1,256		-		-		-		-		1,256
Total Autonomous Agencies	50	\$	275,151	\$	44,853	\$	23,839	\$	9,484	\$	266,795	\$	620,122
			44.37%		7.23%		3.84%		1.53%		43.02%		100.00%
Line Agencies													
Department Of Education	52	\$	335,751	\$	235,086	\$	216,053	\$	67,367	\$	14,589	\$	868,846
Mayors Council Of Guam	60		27,987		12,697		10,163		8,460		50,753		110,061
Department Of Parks & Recreation	11		41,086		6,427		2,309		3,273		7,021		60,115
Department Of Public Works	12		43,275		454		446		59		7,135		51,369
Department Of Agriculture	6		7,133		5,413		4,930		8,440		9,681		35,597
Department Of Corrections	8		24,233		146		-		-		-		24,380
Department Of Chamorro Affairs	7		9,495		10,317		-		-		-		19,811
Department Of Military Affairs/GUARNG	1		15,991		-		-		-		-		15,991
Guam Police Department	8		6,450		4,174		3,439		10		-		14,073
Guam Fire Department	11		6,394		-		-		-		-		6,394
Department Of Public Health & Social Services	8		1,997		1,605		924		196		289		5,011
University Of Guam	46		3,504		-		-		-		-		3,504
Sanctuary Inc	1		2,970		-		-		-		-		2,970
Guam Solid Waste Authority	2		2,556		-		-		-		-		2,556
Guam Veterans Affairs Office	2		1,125		422		446		317		137		2,447
Department Of Youth Affairs	3		983		1,252		-		-		-		2,236
Office Of Technology	1		369		259		229		258		874		1,989
Office Of The Governor	2		1,949		-		-		-		-		1,949
Department Of Administration	2		943		296		308		-		-		1,547
Office Of Civil Defense	2		496		852		-		-		-		1,348
Division Of Senior Citizens, DPHSS	2		323		181		169		170		-		843
Guam Energy Office	1		491		_		232		_		_		724
Department Of Mental Health	2		684		-		-		-		-		684
Department Of Agriculture-Fisheries	1		63		49		96		116		80		405
Department Of Customs & Quarantine	1		389		_						-		389
Guam Police Department	1		264		-		_		-		_		264
Office of the Merizo Mayor	1		69		32		121		_		_		222
Office of the Dededo Mayor	1		129		89		_		-		_		218
Guam Public Library	6		213		-		_		_		_		213
Guam Enviromental Protection Agency	2		185		-		_		-		_		185
Vietnam Veteran Of America	1		58		-		_		-		_		58
Agat Mayor's Office	1		26		25		_		_		-		50
Department Of Mental Health And Substance	1		29		-		-		-		-		
Total Line Agencies	265	\$	537,582	\$	279,775	_	239,866	\$	88,666	\$	90,561	\$	1,236,449
			43.48%		22.63%		19.40%		7.17%		7.32%		100.00%
Total as of October 31, 2020 (Active)	315	\$	812,733	\$	324,628	-	263,705	\$	98,150	\$	357,355	\$	1,856,570
			43.78%		17.49%		14.20%		5.29%		19.25%		100.00%

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

SCHEDULE I

	AGING								
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
Government	442	\$ 2,076,414	\$ 350,109	\$ 267,483	\$ 72,521	\$ 462,846	\$ 3,229,373	15%	
Agriculture	393	34,429	10,798	4,100	5,455	52,969	107,751	1%	
Commercial I	2,639	1,240,193	142,384	63,256	25,449	445,969	1,917,251	9%	
Commercial II	27	185,366	11,054	12,133	53,438	224,368	486,359	2%	
Commercial III	297	657,981	86,795	21,374	22,136	348,961	1,137,246	5%	
Golf Course	16	1,629	225	-	-	-	1,853	0%	
Hotel	59	1,201,198	128,151	264,775	10,820	612,251	2,217,194	10%	
Irrigation	33	4,861	354	1,503	206	347	7,270	0%	
Residential	49,551	4,682,998	952,329	640,453	479,715	5,386,509	12,142,004	57%	
	53,457	10,085,068	1,682,199	1,275,077	669,740	7,534,220	21,246,303	100%	
		47%	8%	6%	3%	35%	100%		

Less Allowance for Doubtful Accounts: (8,188,997)

Net Accounts Receivable: 13,057,307

Days Receivables Outstanding

49

As of September 30, 2020

AGING

Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	441	\$ 1,524,645	\$ 377,409	\$ 94,030	\$ 41,113	\$ 428,956	\$ 2,466,151	12%
Agriculture	392	38,555	9,332	6,145	3,945	52,582	110,560	1%
Commercial I	2,646	1,203,203	158,684	46,224	24,699	429,380	1,862,190	9%
Commercial II	25	222,671	12,196	64,507	518	232,051	531,944	3%
Commercial III	297	580,210	33,083	30,670	23,116	335,605	1,002,684	5%
Golf Course	16	1,662	225	143	-	-	2,030	0%
Hotel	59	1,174,610	297,593	276,362	162,066	381,866	2,292,497	11%
Irrigation	33	5,189	2,022	209	135	384	7,939	0%
Residential	49,497	4,951,865	928,353	644,023	504,120	5,248,683	12,277,044	60%
	53,406	9,702,610	1,818,898	1,162,312	759,713	7,109,506	20,553,038	100%
		46%	9%	5%	4%	33%	97%	

Less Allowance for Doubtful Accounts: (8,027,857)
Net Accounts Receivable: 12,525,182

Days Receivables Outstanding 47

As of August 31, 2020

AGING

Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	443	\$ 2,553,351	\$ 251,475	\$ 106,082	\$ 17,234	\$ 428,841	\$ 3,356,984	15%
Agriculture	394	38,896	13,302	6,589	2,340	53,343	114,470	1%
Commercial I	2,656	1,528,267	138,817	43,566	75,596	374,722	2,160,967	10%
Commercial II	25	310,403	86,650	547	469	235,950	634,019	3%
Commercial III	299	734,673	38,995	30,773	21,202	333,761	1,159,404	5%
Golf Course	16	4,709	682	143	143	-	5,677	0%
Hotel	58	1,693,179	312,818	172,427	141,493	276,267	2,596,184	12%
Irrigation	33	6,959	582	196	156	378	8,271	0%
Residential	49,275	4,631,341	987,250	644,097	437,812	5,103,687	11,804,185	54%
	53,199	11,501,777	1,830,571	1,004,420	696,446	6,806,948	21,840,160	100%
		53%	8%	5%	3%	31%	100%	

Less Allowance for Doubtful Accounts: (7,871,013)

Net Accounts Receivable: 13,969,148

Days Receivables Outstanding 49

GUAM WATERWORKS AUTHORITY Accounts Payable Aging

SCHEDULE J

As of	AGING										
		Current	3	31 - 60 Days		61 - 90 Days	9	1 - 120 Days	> 120 Days	Total	Days Payable Outstanding
October 31, 2020	\$	1,807,095 60%	\$	595,144 20%	\$	53,223 2%	\$	201,973 7%	\$ 376,471 12%	\$ 3,033,906 100%	36
September 30, 2020	\$	1,801,089 66%	\$	276,988 10%		195,387 7%	\$	21,905 1%	\$ 413,403 15%	\$ 2,708,771 100%	36
August 31, 2020	\$	2,023,852 63%	\$	420,071 13%		269,636 8%	\$	171,325 5%	\$ 307,076 10%	\$ 3,191,960 100%	32

GUAM WATERWORKS AUTHORITY WATER DEMAND BY RATE CLASS FY2015 - FY2021

SCHEDULE K

	_			UNAUDITED							
CL	ASS	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R	Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	1%	3,712,723	11%	3,670,943	-1%
С	Commercial	1,020,089	1,022,890	964,639	910,905	906,192	-1%	822,029	-9%	695,538	-15%
F	Federal	1,168	1,180	2,508	1,813	1,602	-12%	1,338	-16%	1,996	49%
G	Government	515,974	475,366	448,430	450,165	405,980	-10%	408,502	1%	405,225	-1%
Н	Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	9%	714,161	-34%	392,291	-45%
G	Golf	6,850	6,770	5,252	2,741	2,793	2%	5,835	109%	1,688	-71%
Α	Agriculture	67,376	78,628	69,482	81,127	90,803	12%	84,492	-7%	50,268	-41%
1	Irrigation	10,385	11,351	10,143	8,504	7,896	-7%	8,654	10%	8,054	-7%
	GRAND TOTAL	6,036,620	6,033,960	5,711,790	5,758,590	5,855,091	2%	5,757,733	-2%	5,226,003	-9%



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Financial Statement Overview September 2020

The Finance Division performed the soft close of the books for FY20 on October 19, 2020. Prior to the closing, we have already begun to work with our auditors. The audit entrance conference with the Office of Public Accountability was held on October 12th. We are targeting to finish the audit by March 31st or earlier but meeting this deadline is contingent on obtaining information from the Retirement Fund and Department of Administration on retirement liability and liability for retiree benefits.

During the month of September, although the number of positive tests has remained high and there were 41 fatalities reported, the Governor relaxed PCOR1 conditions allowing certain businesses and government offices to open with restrictions. Executive Order 2020-35 extended the public health emergency thru October 30, 2020 and Executive Order 2020-38 extended the public health emergency thru November 29, 2020. GWA cashier and customer service representative stations continue to be open to the public. Operations employees have been reporting to work observing safety precautions, while most other employees are teleworking.

Using social media, GWA continues to encourage customers to conduct business online or via the phone. As part of this effort, GWA joined the *Going Online Together* campaign in June with several other organizations. Additionally, GWA has launched a pilot automated customer service online support portal on its website; BBMR recently provided approval for additional CARES funding to customize this portal.

Collections in September have increased compared to August but are still behind pre-pandemic levels. While payments at GWA locations have gone below 30%, payments to third party agents, e.g., banks and Treasurer of Guam, have gone up from 14% to almost 28%.

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

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
May 2020	18	\$22,011	\$543	2.46%
June 2020	21	\$34,919	\$702	2.01%
July 2020	35	\$53,191	\$1,069	2.01%
August 2020	32	\$59,558	\$1,197	2.01%
September 2020	34	\$71,656	\$1,441	2.01%

Year to Date consumption is 2% lower than last year for both water and wastewater and September 2020 consumption was below September 2019 (water consumption -9%, wastewater consumption -23%) partially due to billing dates decreasing from 32 days to 30 days. Increases in residential demand continue to be offset by reductions in commercial demand. We continue to monitor bills as they drop to determine the impact of the public health emergency. Visitors from low risk countries



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will not be quarantined if they stay less than 5 days. However, with the increase in COVID cases, their home countries may not be willing to ease quarantine requirements on their return.

Schools continue to remain closed during PCOR 1. This impacts demand as GDOE has been one of GWA's top ten customers for both water and wastewater services. See Schedule K for Water Demand for FY2015 to FY2020.

As revenues are monitored, the cost containment plan continues to be also adjusted as needed. While sufficient cash reserves are in place, management will continue to assess the situation and make any course corrections required to ensure continuity of services to our customers while keeping the safety of our staff the highest priority.

Balance Sheet

- Total Assets & Deferred Outflows of Resources of \$915.7M in September 2019 grew by \$212M or 23% to \$1.1B in September 2020 largely due to funds from the sale of bonds. Current Assets increased by \$791K, Property, Plant and Equipment increased by \$74M, and Other Noncurrent Assets increased by \$116M. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$714.2M in September 2019 increased by \$154.6M or 23% to \$868.8M in September 2020 primarily due to the bond sales, increasing Long Term Debt by \$159.5M.
- Accounts Receivable days were 47 in September 2020 as compared to 50 in September 2019 and Accounts Payable days were 36 in September 2020 as compared to 38 in September 2019.

Statement of Operations and Retained Earnings

- Note that the budget was adjusted to reflect the forecast adopted in the Series 2020B Official Statement.
- Total Operating Revenues for September 2020 of \$7.8M were 11% or \$993K less than budget and 24% or \$2.5M less than September 2019 due to the impact of the COVID-19 public health emergency and offset by the 5% increase effective in March.
- Year to Date Operating Revenues as of September 2020 of \$105.3M were \$735.2K or 1% less than budget and were \$7.5M or 7% less than last year.
- Total Operating Expenses for September 2020 of \$6.6M were \$538.4K or 8% below budget.
 Total Operating Expenses for September 2020 were 20% or \$1.7M less than September 2019
 with decreases in most expense categories except for Depreciation and Salaries & Benefits;
 compensatory time accrued during the pandemic was paid off at the end of the fiscal year.
- Year to Date Operating Expenses at September 2020 of \$86.1M were \$722K or 1% more than budget. Year to Date Operating Expenses at September 2020 were \$1.2M or 1% more than last year's \$84.9M mainly due to increases in Salaries & Benefits and Depreciation compared to the prior year.
- Earnings from Operations for September 2020 of \$1.3M were 26% or \$455K less than budget and 39% or \$815.8K less than September 2019. Change in Net Assets for September 2020 of \$11.3M were \$8.1M more than the \$3.2M budget and \$3.5M more than September 2019 due



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to \$7.2M more in Grants offsetting the \$2.9M decrease in Non-operating Revenues and Expenses.

Year to Date Earnings from Operations as of September 2020 of \$19.2M were 7% or \$1.5M less than budget and 31% or \$8.7M less than YTD Earnings as of September 2019. Year to Date Change in Net Assets as of September 2020 of \$57.6M were \$19.2M or 50% more than budget. Year to Date Change in Net Assets as of September 2020 were \$20.3M or 54% more than YTD as of September 2019 mainly due to \$49.7M more in Grants, \$11.3M less in AFUDC and \$3.4M less in interest income.

Key Financial Indicators

Indicator	Target	August 2020	September 2020
DSC YTD			
 Per Section 6.12 of Indenture 	1.25	1.33	1.30
Per PUC / CCU	1.40	1.33	1.30
YTD Month to Month Change in Net Assets		13%	12%
Days - Cash on Hand	120 days	291 days	311 days
Collection Ratio			
 Month to Date 	99%	89%	114%
Year to Date	99%	98%	99%
Days Billed	30 days	31 days	30 days
Account Receivable Days	30 days	49 days	47 days
Account Payable Days	45 days	32 days	36 days
Employee Count	400 FTE	381 FTE	379 FTE
Water Demand			
 Month to Date 	476,259	473,988	472,192
Year to Date	5,715,108	5,285,541	5,757,733
Wastewater Flow			
Month to Date	339,054	331,167	306,686
Year to Date	4,068,647	3,725,878	4,032,564
Water Customers	42,839	42,992	42,838
Wastewater Customers	29,604	29,551	29,363

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GUAM WATERWORKS AUTHORITY Balance Sheet September 30, 2020

SCHEDULE A

	Unaudited	Audited	Increase
ASSETS AND DEFERRED OUTFLOWS of RESOURCES	September 30, 2020	September 30, 2019	(Decrease)
Current Assets Cash			
Unrestricted (Schedule G)	42,486,239	36,140,182	6,346,057
Restricted Funds (Schedule G) Accounts Receivable Trade, Net of Allowance for Doubtful Receivables	30,072,502 12,563,838	37,890,369 14,346,247	(7,817,868) (1,782,409)
of \$8,027,857 at Sep 30, 2020 and \$7,789,943 at Sep 30, 2019	12,505,050	14,040,241	(1,702,403)
Federal Receivable	7,755,755	3,711,435	4,044,320
Other Receivable Materials & Supplies Inventory, Net of Allowance for Obsolescence	888,600 4,804,466	1,794,082 3,897,352	(905,482) 907,113
of \$64,131 at Sep 30, 2020 and \$64,131 at Sep 30, 2019		0,007,002	007,110
Total Current Assets	98,571,399	97,779,668	791,732
Property, Plant and Equipment			
Utility plant in service			
Water system	378,420,144	381,484,623	(3,064,479)
Wastewater system Non-utility property	480,533,485 25,752,939	429,896,579 23,200,625	50,636,905 2,552,314
Total property	884,706,567	834,581,827	50,124,740
Less: Accumulated Depreciation Land	(343,112,883) 5,240,187	(321,561,403) 3,914,815	(21,551,479) 1,325,373
Construction Work in Progress	144,253,768	100,162,613	44,091,155
Property, Plant and Equipment, net	691,087,641	617,097,852	73,989,789
Other noncurrent assets and deferred charges			
Restricted cash (Schedule G)	219,203,039	109,937,511	109,265,527
Investments (Schedule G)	66,616,997	61,231,877	5,385,120
Other Prepaid Expenses Regulatory Assets	2,615,782 430,962	1,667,816	947,966 430,962
Total other noncurrent assets and deferred charges	288,866,779	172,837,204	116,029,574
Total Assats	4.070.505.040	007 744 704	400 044 005
Total Assets	1,078,525,819	887,714,724	190,811,095
Deferred outflows of resources			
Debt defeasance due to bond refunding	33,351,801	11,976,380	21,375,421
Deferred outflows from pension Deferred outflows from OPEB	9,057,499 6,982,196	9,057,499 6,982,196	-
Total Assets and Deferred Outflows of Resources	1,127,917,316	915,730,799	212,186,517
LIADULTICA DEFENDED INCLOSIO « PROGUNOCA AND NET ACCETA			
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS Current Liabilities			
Current maturities of long-term debt			
Series 2010 Revenue Bond	2.040.000	1,895,000	(1,895,000)
Series 2013 Revenue Bond Series 2014 Refunding Bond	2,840,000 530,000	2,695,000 3,760,000	145,000 (3,230,000)
Series 2016 Revenue Bond	3,860,000	420,000	3,440,000
Series 2017 Refunding Bond Notes Payable	2,040,000	2,319,108	2,040,000 (2,319,108)
Accounts Payable -Trade	2,708,771	4,121,449	(1,412,677)
Accrued and Other Liabilities	1,239,059	1,374,565	(135,507)
Interest Payable Accrued Payroll and Employee Benefits	6,304,598 354,780	6,359,303 1,685,235	(54,705) (1,330,455)
Current portion of employee annual leave	521,641	616,114	(94,473)
Contractors' Payable	22,218,745	22,094,820	123,925
Customer and Other Deposits Total Current Liabilities	2,199,462 44,817,055	2,349,490 49,690,083	(150,028) (4,873,028)
Total Gallon Elabinido	11,011,000	10,000,000	(1,010,020)
Long Term Debt, less current maturities Series 2013 Revenue Bond	24.500.000	160 035 000	(145 425 000)
Series 2013 Revenue Bond Series 2014 Refunding Bond	64,610,000	169,935,000 65,140,000	(145,435,000) (530,000)
Series 2016 Revenue Bond	139,030,000	142,890,000	(3,860,000)
Series 2017 Refunding Bond	105,325,000 134,000,000	107,365,000	(2,040,000) 134,000,000
Series 2020A Revenue Bond Series 2020B Refunding Bond	166,075,000	-	166,075,000
Unamortized Bond Premium/Discount	42,515,523	31,863,590	10,651,933
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	1,273,668	806,635	467,033
Employee Sick Leave	1,226,702	1,054,545	172,157
Total Liabilities	835,622,524	680,994,429	154,628,095
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	868,825,330	714,197,235	154,628,095
	000,020,330	117,101,200	104,020,033
Net Assets	259,091,985	201,533,564	57,558,421
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,127,917,316	915,730,799	212,186,517
	.,121,011,010	270,700,700	, 100,017

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

SCHEDULE B

	Month t	o Date	Variance
	Budget* September-20	Actual (Unaudited) September-20	Favorable / (Unfavorable)
OPERATING REVENUES			(0
Water Revenues	5,501,558	5,276,106	(225,452)
Wastewater Revenues Legislative Surcharge	2,930,042	2,257,709	(672,333)
Other Revenues	264,940 54,909	227,294 21,420	(37,646) (33,489)
System Development Charge	84,429	59,857	(24,572)
Total Operating Revenues	8,835,878	7,842,386	(993,492)
OPERATING AND MAINTENANCE EXPENSES	<u> </u>		
Water Purchases	603,168	25,385	577,783
Power Purchases Total Utility Costs	1,176,643 1,779,811	984,143 1,009,528	192,500 770,283
·			
Salaries and Wages	1,697,871	1,789,780	(91,909)
Pension and Benefits Total Salaries and Benefits	527,364 2,225,236	433,727 2,223,507	93,637 1,728
Capitalized Labor and Benefits	(382,431)	(293,728)	(88,704)
Net Salaries and Benefits	1,842,804	1,929,780	(86,976)
Administrative and General Expenses			
Sludge removal	130,979	95,633	35,346
Chemicals Materials & Supplies	105,093 102,068	78,828 101,321	26,265 747
Transportation	90,958	90,041	917
Communications	12,500	12,361	139
Claims	6,339	3,643	2,696
Insurance	78,914	78,611	303
Training & Travel	10,753	-	10,753
Advertising Miscellaneous	6,892 104,206	6,840 97,486	52 6,719
Regulatory Expense	9,596	8,319	1,277
Bad Debts Provision	159,017	111,650	47,367
Total Administrative and General Expense	817,315	684,734	132,580
Depreciation Expense	2,007,134	2,296,564	(289,430)
Contractual Expense	404 400	00.405	0.000
Audit & Computer Maintenance Building rental	101,423 37,615	98,485 37.471	2,938 144
Equipment rental	28,904	27,967	937
Legal	3,164	-	3,164
Laboratory	32,677	31,014	1,662
Other	197,239	195,442	1,797
Total Contractual Expense	401,022	390,380	10,643
Retiree Supp. Annuities and health care costs Contribution to Government of Guam	219,161 50,333	217,867 50,333	1,294 0
Total Retiree Benefits	269,495	268,200	1,295
Total Operating Expenses	7,117,581	6,579,186	538,395
Earnings (Loss) from Operations	1,718,297	1,263,200	(455,097)
Interest Income - 2010/13/14/16/17/20 Series Bond	107,032	2,571	(104,461)
Interest Income - Other Funds	22,804	1,037	(21,767)
Interest Income - SDC Interest Expense - 2010/13/14/16/17/20 Series Bond	9,387 (2,117,099)	3,380 (2,559,639)	(6,008) (442,540)
Interest Expense - ST BOG	(5,612)	(2,000,000)	5,612
Federal Expenditures	-	(103,977)	(103,977)
Amortization of Discount, Premium and Issuance Costs	59,408	(1,475,322)	(1,534,730)
Defeasance due to bond refunding	(68,976)	(172,544)	(103,568)
Deferred outflows from pension Prior Year Adjustment	-	- 353,188	- 353,188
Total non-operating revenues (expenses)	(1,993,055)	(3,951,307)	(1,958,251)
Net Income (Loss) before capital contributions	(274,759)	(2,688,107)	(2,413,348)
Capital Contributions			
Grants from US Government	3,473,402	13,910,396	10,436,993
Grants from GovGuam & Others	3,473,402	85,506 13,995,902	85,506
Total Capital Contributions Change in Net Assets	3,473,402	11,307,795	10,522,499 8,109,151
		, ,	5,100,101
Debt Service Calculation			
Earnings From Operations	1,718,297	1,263,200	
System Development Charge	(84,429)	(59,857)	
Retiree COLA Interest/Investment Income	50,333 22,804	50,333 1,037	
Depreciation	2,007,134	2,296,564	
Balance Available for Debt Service per Section 6.12	3,714,138	3,551,277	
Debt Service			
Principal	730,833	730,833	
Interest	2,117,099	2,117,099	
Total Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	2,847,932 1.30	2,847,932 1.25	
Debt Service Coverage (1.25x) - per Section 6.12 (indenture) Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.30	1.25	
= === === (a d d d d d d d d d d d d d d d d d d	1.50	1.23	

^{*}Adjusted budget

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

SCHEDULE C

	Month to Actual (Unaudited) September-20	Date Actual (Audited) September-19	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues Wastewater Revenues	5,276,106 2,257,709	6,210,084 3,613,739	(933,978) (1,356,030)
Legislative Surcharge	227,294	323,549	(96,255)
Other Revenues	21,420	71,844	(50,424)
System Development Charge	59,857	95,301	(35,444)
Total Operating Revenues OPERATING AND MAINTENANCE EXPENSES	7,842,386	10,314,517	(2,472,131)
Water Purchases	25,385	549.616	(524,231)
Power Purchases	984,143	1,402,841	(418,698)
Total Utility Costs	1,009,528	1,952,457	(942,929)
Salarios and Wagos	1 790 790	1 390 636	409,154
Salaries and Wages Pension and Benefits	1,789,780 433,727	1,380,626 440,599	(6,871)
Total Salaries and Benefits	2,223,507	1,821,225	402,282
Capitalized Labor and Benefits	(293,728)	(312,703)	18,975
Net Salaries and Benefits	1,929,780	1,508,522	421,257
Administrative and General Expenses Sludge removal	95,633	67,566	28,067
Chemicals	78,828	436,950	(358,122)
Materials & Supplies	101,321	167,972	(66,651)
Transportation	90,041	176,001	(85,960)
Communications Claims	12,361	8,721	3,640
Insurance	3,643 78,611	13,964 77,860	(10,321) 751
Training & Travel	70,011	64,679	(64,679)
Advertising	6,840	8,679	(1,839)
Miscellaneous	97,486	105,048	(7,562)
Regulatory Expense Bad Debts Provision	8,319	55,366	(47,047)
Total Administrative and General Expense	111,650 684,734	199,068 1,381,873	(87,418) (697,139)
Depreciation Expense	2,296,564	1,928,015	368,549
Contractual Expense			
Audit & Computer Maintenance	98,485	248,791	(150,306)
Building rental Equipment rental	37,471 27,967	47,180 265.060	(9,709)
Legal	21,901	1,200	(237,092) (1,200)
Laboratory	31,014	31,734	(720)
Other	195,442	577,102	(381,660)
Total Contractual Expense	390,380	1,171,067	(780,687)
Retiree Supp. Annuities and health care costs Contribution to Government of Guam	217,867	243,570	(25,703)
Total Retiree Benefits	50,333 268,200	50,000 293,570	(25,370)
Total Operating Expenses	6,579,186	8,235,504	(1,656,318)
Earnings (Loss) from Operations	1,263,200	2,079,013	(815,813)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,571	227,104	(224,533)
Interest Income - Other Funds Interest Income - SDC	1,037 3,380	57,446 13,473	(56,409) (10,093)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,559,639)	(2,117,099)	(442,540)
Interest Expense - ST BOG	-	(18,823)	18,823
Federal Expenditures	(103,977)		(103,977)
AFUDC Amortization of Discount, Premium and Issuance Costs	- (4 47E 222)	1,157,306	(1,157,306)
Defeasance due to bond refunding	(1,475,322) (172,544)	119,970 (69,534)	(1,595,292) (103,010)
Deferred outflows from pension	-	-	(100,010)
Prior Year Adjustment	353,188	(396,187)	749,375
Total non-operating revenues (expenses)	(3,951,307)	(1,026,344)	(2,924,963)
Net Income (Loss) before capital contributions Capital Contributions	(2,688,107)	1,052,669	(3,740,776)
Grants from US Government	13,910,396	6,683,444	7,226,952
Grants from GovGuam & Others	85,506	109,962	(24,456)
Total Capital Contributions	13,995,902	6,793,406	7,202,495
Change in Net Assets	11,307,795	7,846,075	3,461,720
Debt Service Calculation			
Earnings From Operations	1,263,200	2,079,013	
System Development Charge Retiree COLA	(59,857) 50,333	(95,301) 50,000	
Interest/Investment Income	1,037	57,446	
Depreciation	2,296,564	1,928,015	
Balance Available for Debt Service per Section 6.12	3,551,277	4,019,172	
Working Capital Reserve Available for Debt Service	-	963,645	
Transfer to Working Capital - Debt Service Reserve Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	3,551,277	4,982,817	
Debt Service	0,001,211	1,002,011	
Principal	730,833	476,250	
Interest	2,117,099	2,137,785	
Total	2,847,932	2,614,035	
	1.05	1 5 4	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture) Debt Service Coverage (1.40X) (PUC)	1.25 1.25	1.54	

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

SCHEDULE D

	Year to		Variance
	Budget* September-20	Actual (Unaudited) September-20	Favorable / (Unfavorable)
OPERATING REVENUES		00010001.20	(Ginarolasio)
Water Revenues	66,018,690	66,131,935	113,245
Wastewater Revenues Legislative Surcharge	35,160,504 3,179,278	34,655,406 3,162,771	(505,097) (16,506)
Other Revenues	658,911	589,191	(69,719)
System Development Charge	1,013,149	756,038	(257,111)
Total Operating Revenues	106,030,531	105,295,342	(735,189)
OPERATING AND MAINTENANCE EXPENSES Water Purchases	6,878,017	5,551,065	1,326,952
Power Purchases	14,119,720	14,118,145	1,526,952
Total Utility Costs	20,997,737	19,669,209	1,328,528
Salaries and Wages	20,374,454	20,744,654	(370,200)
Pension and Benefits	6,328,373	6,415,948	(87,575)
Total Salaries and Benefits Capitalized Labor and Benefits	26,702,827 (4,589,176)	27,160,602 (3,993,300)	(457,776) (595,876)
Net Salaries and Benefits	22,113,651	23,167,302	(1,053,651)
Administrative and General Expenses			(1,000,001)
Sludge removal	1,280,749	1,277,885	2,863
Chemicals	1,853,121	1,817,213	35,908
Materials & Supplies	2,100,820	2,097,578	3,241
Transportation Communications	606,499 153,998	606,260 153,371	238 627
Claims	136,063	134,529	1,534
Insurance	937,966	937,471	495
Training & Travel	139,035	137,912	1,123
Advertising	64,704	59,366	5,338
Miscellaneous Regulatory Expense	1,100,467 322,155	1,094,248 317,344	6,219 4,811
Bad Debts Provision	1,908,201	2,033,768	(125,567)
Total Administrative and General Expense	10,603,777	10,666,946	(63,169)
Depreciation Expense	24,085,603	25,032,824	(947,221)
Contractual Expense			
Audit & Computer Maintenance	853,080	852,386	694
Building rental Equipment rental	441,378 787,854	440,879 786,737	499 1,117
Legal	34,969	28,477	6,492
Laboratory	213,119	212,762	357
Other	2,115,867	2,113,844	2,023
Total Contractual Expense	4,446,267	4,435,085	11,182
Retiree Supp. Annuities and health care costs Contribution to Government of Guam	2,559,937 604,000	2,557,350 604,000	2,587 0
Total Retiree Benefits	3,163,937	3,161,350	2,587
Total Operating Expenses	85,410,972	86,132,716	(721,744)
Earnings (Loss) from Operations	20,619,559	19,162,626	(1,456,933)
Interest Income - 2010/13/14/16/17/20 Series Bond	1,284,382	988,734	(295,648)
Interest Income - Other Funds Interest Income - SDC	273,645 112,647	274,980 103,612	1,335 (9,035)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(25,405,188)	(27,392,688)	(1,987,501)
Interest Expense - ST BOG	(67,345)	(38,188)	29,157
Federal Expenditures	-	(277,667)	(277,667)
Loss on Asset Disposal	-	(3,678,963)	(3,678,963)
Amortization of Discount, Premium and Issuance Costs	712,900 (827,707)	(2,798,338)	(3,511,238)
Defeasance due to bond refunding Prior Year Adjustment	(027,707)	(931,275) 83,363	(103,568) 83,363
Total non-operating revenues (expenses)	(23,916,665)	(33,666,429)	(9,749,764)
Net Income (Loss) before capital contributions Capital Contributions	(3,297,106)	(14,503,803)	(11,206,697)
Grants from US Government	41,680,829	71,318,838	29,638,009
Grants from GovGuam & Others Total Capital Contributions	41,680,829	743,386 72,062,225	743,386 30,381,396
Change in Net Assets	38,383,723	57,558,421	19,174,699
Debt Service Calculation			
Earnings From Operations	20,619,559	19,162,626	
System Development Charge	(1,013,149)	(756,038)	
Retiree COLA	604,000	604,000	
Interest/Investment Income	273,645	274,980	
Depreciation Balance Available for Debt Service per Section 6.12	24,085,603 44,569,658	25,032,824 44,318,391	
Debt Service			
Principal	8,770,000	8,770,000	
Interest	25,405,188	25,405,188	
Total	34,175,188	34,175,188	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.30	1.30	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.30	1.30	

^{*}Adjusted budget

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

SCHEDULE E

Comparative for the period ending Septe	mber 30, 2020 and 2019		SCHEDULE E
	Year to	Date	Variance
	Actual (Unaudited)	Actual (Audited)	Increase /
OPERATING REVENUES	September-20	September-19	(Decrease)
OPERATING REVENUES Water Revenues	66,131,935	67,982,760	(1,850,825)
Wastewater Revenues	34,655,406	39,646,673	(4,991,267)
Legislative Surcharge	3,162,771	3,563,032	(400,261)
Other Revenues	589,191	679,022	(89,830)
System Development Charge Total Operating Revenues	756,038 105,295,342	885,513 112,757,001	(129,475) (7,461,659)
OPERATING AND MAINTENANCE EXPENSES	105,295,342	112,737,001	(7,401,039)
Water Purchases	5,551,065	6,277,864	(726,799)
Power Purchases	14,118,145	16,150,781	(2,032,636)
Total Utility Costs	19,669,209	22,428,645	(2,759,436)
Salaries and Wages	20.744.654	19.336.814	1,407,840
Pension and Benefits	20,744,654 6,415,948	5,035,554	1,380,394
Total Salaries and Benefits	27,160,602	24,372,369	2,788,234
Capitalized Labor and Benefits	(3,993,300)	(3,342,006)	(651,294)
Net Salaries and Benefits	23,167,302	21,030,363	2,136,939
Administrative and General Expenses	4 077 005	4 000 007	(50,000)
Sludge removal Chemicals	1,277,885 1,817,213	1,333,887 2,451,801	(56,002) (634,589)
Materials & Supplies	2,097,578	2,241,225	(143,647)
Transportation	606,260	783,560	(177,300)
Communications	153,371	161,837	(8,466)
Claims	134,529	196,334	(61,805)
Insurance	937,471	916,471	21,000
Training & Travel Advertising	137,912 59,366	331,577 124.027	(193,665) (64,660)
Miscellaneous	1,094,248	1,034,966	59,283
Regulatory Expense	317,344	268,597	48,747
Bad Debts Provision	2,033,768	2,217,121	(183,352)
Total Administrative and General Expense	10,666,946	12,061,402	(1,394,456)
Depreciation Expense	25,032,824	21,174,220	3,858,603
Contractual Expense Audit & Computer Maintenance	050 206	935,884	(83,498)
Building rental	852,386 440,879	423,622	17,257
Equipment rental	786,737	1,412,593	(625,856)
Legal	28,477	11,954	16,523
Laboratory	212,762	169,899	42,863
Other	2,113,844	2,991,527	(877,683)
Total Contractual Expense	4,435,085	5,945,478	(1,510,393)
Retiree Supp. Annuities and health care costs Contribution to Government of Guam	2,557,350 604,000	1,667,681 600,000	889,670 4,000
Total Retiree Benefits	3,161,350	2,267,681	893,670
Total Operating Expenses	86,132,716	84,907,789	1,224,927
Earnings (Loss) from Operations	19,162,626	27,849,212	(8,686,586)
Interest Income - 2010/13/14/16/17/20 Series Bond	988,734	3,944,340	(2,955,606)
Interest Income - Other Funds	274,980	829,892	(554,913)
Interest Income - SDC	103,612	179,291	(75,679)
Interest Expense - 2010/13/14/16/17/20 Series Bond Interest Expense - ST BOG	(27,392,688) (38,188)	(25,591,358) (203,775)	(1,801,330) 165,587
Federal Expenditures	(277,667)	(200,770)	(277,667)
Loss on Asset Disposal	(3,678,963)	(2,698,053)	(980,910)
AFUDC	- 1	11,307,192	(11,307,192)
Amortization of Discount, Premium and Issuance Costs	(2,798,338)	1,437,028	(4,235,366)
Defeasance due to bond refunding	(931,275)	(834,407) (722,189)	(96,867)
Prior Year Adjustment Total non-operating revenues (expenses)	83,363 (33,666,429)	(12,352,037)	805,552 (21,314,392)
Net Income (Loss) before capital contributions	(14,503,803)	15,497,175	(30,000,978)
Capital Contributions	, ,		, -,,/
Grants from US Government	71,318,838	21,610,198	49,708,640
Grants from GovGuam & Others	743,386	191,241	552,146
Total Capital Contributions Change in Net Assets	72,062,225 57,558,421	21,801,439 37,298,613	50,260,786 20,259,808
Change in Net Assets	37,336,421	37,290,013	20,239,000
Debt Service Calculation			
Earnings From Operations	19,162,626	27,849,212	
System Development Charge	(756,038)	(885,513)	
Retiree COLA	604,000	600,000	
Interest/Investment Income	274,980	829,892	
Depreciation	25,032,824	21,174,220	
Balance Available for Debt Service per Section 6.12 Working Capital Reserve Available for Debt Service	44,318,391	49,567,812 11,563,736	
Transfer to Working Capital - Debt Service Reserve	-	11,503,730	
Transfer to Working Capital - Debt dervice reserve	-	-	
Balance Available for Debt Service inclusive of reserves	44,318,391	61,131,548	
Debt Service			
Principal	8,770,000	5,715,000	
Interest Total	25,405,188 34,175,188	25,653,415 31,368,415	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.30	1.58	
Debt Service Coverage (1.40X) (PUC)	1.30		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.95	

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

SCHEDULE F

	Total
Funding Summary	
Total available project funds	\$ 13,178,267
Total project expenditures and encumbrances	 10,217,522
Total unobligated project funds	\$ 2,960,745

Projects Funded

		Outstanding	Expenditures and
Project Description	Expenditures	Encumbrances	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
	\$ 3,414,811	\$ 6,802,711	\$ 10,217,522

Future planned projects	FY2020
Water Wells	 1,500,000
Water Dist Sys Pipe Replacement & Upgrades	1,000,000
	\$ 2,500,000

GUAM WATERWORKS AUTHORITY Restricted and Unrestricted Cash Summary FY2020

S				

Personiation	Unaudited	Audited	Increase
Description UNRESTRICTED	September 30, 2020	September 30, 2019	(Decrease)
Change Fund	2,000	2,000	
Petty Cash	4,450	4,450	-
BOG Deposit Accounts	5,567,992	4,955,587	612,405
BOG O & M Reserve	25,689,390	13,933,323	11,756,067
BOG CapEx Fund	11,222,407	17,244,823	(6,022,416)
Sub-total Unrestricted	42,486,239	36,140,182	6,346,057
RESTRICTED			
ANZ Bank	-	19	(19)
Bank Pacific	29,243	12,321	16,922 [°]
Bank of Hawaii	191,250	220,158	(28,908)
Community First FCU	1,976	2,530	(554)
First Hawaiian Bank	43,451	11,761	31,690
Bank Pacific Surcharge	420,680	302,837	117,844
Bank Pacific Escrow Deposit	842,331	836,528	5,804
BOG Customer Refunds	2,063,361	1,871,553	191,808
BOG Emergency Reserve Fund BOG Sewer Hookup Revolving Fund	6,243 67,809	6,237 67,094	7 714
BOG Sewer Hookup Revolving Fund BOG Subordinate Security Fund	-	859,233	(859,233)
BOG Operation and Maintenance Fund	3,083,482	3,083,482	(000,200)
BOG Revenue Trust	254,619	1,164,224	(909,604)
BOG Revenue Trust Fund	7,929,291	7,613,000	316,291
BOG Capital Improvement Revenue Fund	5,361,363	1,001,292	4,360,071
BOG Debt Service Reserve		11,563,736	(11,563,736)
	20,295,100	28,616,004	(8,320,904)
BOG - SDC Deposit	3,527,401	2,024,365	1,503,036
BOG - SDC CDs	6,250,000	7,250,000	(1,000,000)
Total SDC	9,777,401	9,274,365	503,036
Total Restricted	30,072,502	37,890,369	(7,817,868)
Reserve Funds			
BOG Series 2013 Construction Fund	8,647,934	14,170,759	(5,522,825)
BOG Series 2014 Refunding Construction Fund	219,099	217,448	1,651
BOG Series 2016 Construction Fund	68,518,206	89,235,554	(20,717,348)
BOG Series 2017 Refunding Construction Fund	6,206,732	6,313,750	(107,018)
BOG Series 2020A Construction Fund	123,277,054	-	123,277,054
BOG Series 2020A Capitalized Interest Fund	12,283,633	-	12,283,633
BOG Series 2020A Cost of Issuance Fund	50,382	-	50,382
B20B- BOG COI Fund 184000 Total Restricted - Held by Trustee	219,203,039	109,937,511	109,265,527
-	17 100 0:5	17 100 015	
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	1,810,544	3,082,212	(1,271,668)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	- (027.262)
USB Series 2014 Refunding Debt Service Fund USB Series 2014 Refunding Debt Service Reserve Fund	1,048,374	1,885,637	(837,263)
USB Series 2014 Returning Debt Service Reserve Fund	7,735,395 2,815,863	7,798,212 1,946,774	(62,817) 869,088
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,556	523,353	(491,797)
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	1,902,205	1,382,329	519,876
USB Series 2020A Debt Service Fund	· · · · · · ·	· · · · · ·	-
USB Series 2020A Debt Service Reserve Fund	6,659,700	-	6,659,700
Total Investments	66,616,997	61,231,877	5,385,120
Total Restricted and Unrestricted Cash	358,378,776	245,199,940	113,178,836

AGING

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

SCHEDULE H

Customer Name	No. of Accounts		Current	3	1 - 60 days	6	1 - 90 days	9	1 - 120 days	0	ver 120 days		Total
Autonomous Agencies (Active)													
Guam Int'l Airport Authority	7	\$	34,589	\$	14,545	\$	3,340	\$	6,144	\$	267,060	\$	325,678
Guam Power Authority	25		190,788		-		-		-		-		190,788
Guam Memorial Hospital Authority	3		4,161		13,856		-		-		-		18,017
Guam Housing & Urban Renewal Authority	9		9,171		618		-		-		-		9,790
Guam Visitors Bureau	5		3,938		1,329		-		-		-		5,266
Port Authority of Guam	1		2,740		-		-		-		-		2,740
Guam Housing Corporation	1		26		-		-		-		-		26
Total Autonomous Agencies	51	\$	245,413		30,347		3,340	\$	6,144	\$	267,060	\$	552,305
			44.43%		5.49%		0.60%		1.11%		48.35%		100.00%
Line Agencies		_		_		_		_		_		_	
Department of Education	52	\$	272,783	\$	216,053	\$	67,358	\$	11,185	\$	3,413	\$	570,792
Department of Corrections	8		77,977		63,604								141,581
Department of Parks & Recreation	18		42,368		46,062		18,409		5,023		10,631		122,493
Mayors Council of Guam	60		24,073		10,163		8,460		11,344		41,413		95,454
Department of Public Works	12		21,958		17,562		14,282		13,457		7,120		74,379
Department of Agriculture	6		5,413		4,930		8,440		6,225		3,456		28,463
Department of Chamorro Affairs	7		10,744		9,590		-		-		-		20,334
Guam Fire Department	11		5,601		5,637		1,184		-		-		12,422
Guam Police Department	8		5,549		3,439		10		-		-		8,998
Department of Public Health & Social Services	8		2,108		2,682		1,045		156		186		6,176
University of Guam	46		3,200		-		-		-		-		3,200
Department of Youth Affairs	3		1,307		1,153		-		-		-		2,461
Guam Solid Waste Authority	2		1,233		1,026		-		-		-		2,259
Superior Court of Guam	2		1,866		_		-		-		-		1,866
Guam Veterans Affairs office	2		422		502		425		227		269		1,845
Office of Technology	1		259		229		-		258		874		1,620
Sanctuary Inc	1		1,183				-		-		-		1,183
Division of Senior Citizens, DPH&SS	2		498		296		182		136		33		1,145
Office of Civil Defense	2		852		-		-		-		-		852
Department of Administration			296		308		-		111		-		714
Guam Public Library	6		338		191		-		-		-		529
Guam Energy office	1		253		232		-		-		-		485
Guam Environmental Protection Agency	2		200		271		-		-		-		471
Department of Customs & Quarantine	1		389		- 96		-		- 80		-		389
Department of Agriculture-Fisheries	1		49		96		116		80		-		342
Department of Mental Health	2 1		294 32		- 121		-		-		-		294
Merizo Mayor					121		-		-		-		153
Judiciary of Guam	4		137		-		-		-		-		137
Agat Mayor's office	1 1		25 89		25		50		-		-		99
The Office of The Dededo Mayor	1				-		-		-		-		89
Vietnam Veterans of America	1		61 25		-		-		-		-		61 25
Department of Mental Health and Substance Abuse	1		25		-		-		-		-		25
Total Line Agencies	275	\$	481,578	\$	384,173	\$	119,961	\$	48,203	\$	67,395	\$	1,101,310
			43.73%		34.88%		10.89%		4.38%		6.12%		100.00%
Total as of September 30, 2020 (Active)	326	\$	726,991	\$	414,520	\$	123,301	\$	54,346	\$	334,455	\$	1,653,614
			43.96%	_	25.07%	_	7.46%	_	3.29%	_	20.23%	Ť	100.00%
Total as of September 30, 2019	156	\$	573,245		177,040		36,359	\$	13,784	\$	390,725	\$	1,191,308
	109%	•	27%		134%		239%	•	294%		-14%		39%
			,,						,,				2370

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

SCHEDULE I

							AGING							
Rate Class	No. of Accounts		Current		31 - 60 days		61 - 90 days		91 - 120 days		Over 120 days	Total		
Government	441	\$	1,563,303	\$	377,409	\$	94,030	\$	41,113	\$	428,956	\$	2,504,809	12%
Agriculture	392		38,555		9,332		6,145		3,945		52,582		110,560	1%
Commercial I	2,646		1,203,203		158,684		46,224		24,699		429,380		1,862,190	9%
Commercial II	25		222,671		12,196		64,507		518		232,051		531,944	3%
Commercial III	297		580,210		33,083		30,670		23,116		335,605		1,002,684	5%
Golf Course	16		1,662		225		143		-		-		2,030	0%
Hotel	59		1,174,610		297,593		276,362		162,066		381,866		2,292,497	11%
Irrigation	33		5,189		2,022		209		135		384		7,939	0%
Residential	49,497		4,951,865		928,353		644,023		504,120		5,248,683		12,277,042	60%
	53,406		9,741,268		1,818,898		1,162,312		759,713		7,109,506		20,591,694	100%
			47%		9%		6%		4%		35%		100%	

Less Allowance for Doubtful Accounts: (3

Net Accounts Receivable: 13

(8,027,857) **12,563,838**

Days Receivables Outstanding

47

As of August 31, 2020

				AGING				
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	443	\$ 2,553,351	\$ 251,475	\$ 106,082	\$ 17,234	\$ 428,841 \$	3,356,984	15%
Agriculture	394	38,896	13,302	6,589	2,340	53,343	114,470	1%
Commercial I	2,656	1,528,267	138,817	43,566	75,596	374,722	2,160,967	10%
Commercial II	25	310,403	86,650	547	469	235,950	634,019	3%
Commercial III	299	734,673	38,995	30,773	21,202	333,761	1,159,404	5%
Golf Course	16	4,709	682	143	143	-	5,677	0%
Hotel	58	1,693,179	312,818	172,427	141,493	276,267	2,596,184	12%
Irrigation	33	6,959	582	196	156	378	8,271	0%
Residential	49,275	4,631,341	987,250	644,097	437,812	5,103,687	11,804,185	54%
	53,199	11,501,777	1,830,571	1,004,420	696,446	6,806,948	21,840,160	100%
		53%	8%	5%	3%	31%	100%	

Less Allowance for Doubtful Accounts: _____ Net Accounts Receivable: (7,871,013) **13,969,148**

Days Receivables Outstanding

49

As of July 31, 2020

As of July 31, 2020					AGING						
Rate Class	No. of Accounts	Current	31 - 60 days	6	61 - 90 days		91 - 120 days	c	Over 120 days	Total	
Government	442	\$ 2,474,946	\$ 447,624	\$	198,136	9	14,795	\$	418,562	\$ 3,554,064	17%
Agriculture	392	41,554	9,797		3,212		1,671		56,200	112,435	1%
Commercial I	2,658	1,309,462	64,086		109,216		28,675		358,564	1,870,004	9%
Commercial II	25	245,495	13,055		7,842		624		248,160	515,176	2%
Commercial III	299	618,409	39,722		29,358		20,121		319,855	1,027,463	5%
Golf Course	16	5,618	143		143		143		-	6,047	0%
Hotel	58	1,835,450	228,254		180,371		77,351		240,302	2,561,728	12%
Irrigation	34	5,439	535		156		139		3,281	9,550	0%
Residential	49,295	4,538,434	941,954		546,269		390,009		4,999,818	11,416,483	54%
	53,219	11,074,807	1,745,170		1,074,704		533,529		6,644,741	21,072,951	100%
		53%	8%		5%		3%		32%	100%	

Less Allowance for Doubtful Accounts: _____ Net Accounts Receivable: (7,707,823) **13,365,128**

Days Receivables Outstanding

48

GUAM WATERWORKS AUTHORITY Accounts Payable Aging

SCHEDULE J

As of					AGI	NG					
	Current	3	1 - 60 Days	(61 - 90 Days	9	1 - 120 Days	>	· 120 Days	Total	Days Payable Outstanding
September 30, 2020	\$ 1,801,089	\$	276,988	\$	195,387	\$	21,905	\$	413,403	\$ 2,708,771	
	66%		10%		7%		1%		15%	100%	36
August 31, 2020	\$ 2,023,852	\$	420,071	\$	269,636	\$	171,325	\$	307,076	\$ 3,191,960	
	63%		13%		8%		5%		10%	100%	32
July 31, 2020	\$ 1,918,387	\$	293,013	\$	401,262	\$	45,249	\$	363,358	\$ 3,021,269	
	63%		10%		13%		1%		12%	100%	37

GUAM WATERWORKS AUTHORITY WATER DEMAND BY RATE CLASS FY2015 - FY2020

SCHEDULE K

											UNAUDITED	
CL	ASS	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)		FY2017 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2018 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2019 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R	Residential	3,415,662	3,429,689	0%	3,206,811	-6%	3,313,613	3%	3,359,905	1%	3,712,723	11%
С	Commercial	1,020,089	1,022,890	0%	964,639	-6%	910,905	-6%	906,192	-1%	822,029	-9%
F	Federal	1,168	1,180	1%	2,508	113%	1,813	-28%	1,602	-12%	1,338	-16%
G	Government	515,974	475,366	-8%	448,430	-6%	450,165	0%	405,980	-10%	408,502	1%
Н	Hotel	999,116	1,008,087	1%	1,004,525	0%	989,723	-1%	1,079,919	9%	714,161	-34%
G	Golf	6,850	6,770	-1%	5,252	-22%	2,741	-48%	2,793	2%	5,835	109%
Α	Agriculture	67,376	78,628	17%	69,482	-12%	81,127	17%	90,803	12%	84,492	-7%
1	Irrigation	10,385	11,351	9%	10,143	-11%	8,504	-16%	7,896	-7%	8,654	10%
	GRAND TOTAL	6,036,620	6,033,960	0%	5,711,790	-5%	5,758,590	1%	5,855,091	2%	5,757,733	-2%

	Guam '	Waterwor	ks Authori	ty	Date: Time:	10/30/2020			-				
┢			RE	VIEWS				G	UAM	WATERWORK	SAU	THORITY	
	TOTAL PUMPS INS	STALLED	56	OVERAL	L AVERAGE	93%		W	VATEF	R DISTRIBUTION FA	CILITII	ES REPORT	
-	TOTAL PUMPS OPE	RATIONAL	52	% OF OPER	RATING PUMPS	93%							
то	TAL BOOSTER PUN	MP STATIONS	27										
No	orthern Distric	t											
NO	-	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	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
	Yigo	30	3	3	100%	OP	A						
	Gayinero	20	2	2	100%	OP	Ā	The state of the s					<u> </u>
	Mataguac	25	2	2	100%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A	10-30-20 work still opagint for wiring of		PSRV installed for hypass and in			

	thern Distric	••											
NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	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		30	3	3	100%	OP	A						
2	Gayinero	20	2	2	100%	OP	A						
	Mataguac	25	2	2	100%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A						
	Hyundai	40	2	0	0%	OP		10-30-20 work still ongoinf for wiring of power and installation of SCADA		PSRV installed for bypass and in operation.			
6	Chin. Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Agana Heights	30	3	3	100%		A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
	Adawag	1.5	1	1	100%	N/A							
	Pale Kiren	1	1	1	100%	N/A							
12	Ulloa/Untalan	1	2	2	100%	OP	A						
	Latte Heights	15	2	2	100%	OP	A						
	TOTAL = 13		26	24	92%			·		· · · · · · · · · · · · · · · · · · ·		·	·
													•
pum	availability =no of	operational pur	mps/no of pumps	s*100%									

Се	ntral 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	1	33%	0P	А	Pump 1 motor and mechanical seal issue. Pump 2 placed on standby due to mechanical seal leak.					
	Brigade	60 / 20	3	3	100%	OP	A	Installed new controls and smaller pump for pump # 3. This is for the WWH reservoir hypass		New pressure relief valve installed for WWH reservoir bypass.			
	Windward Hills	200 / 75	3	3	100%	OP	Α						
4	Santa Rita Spring	40	2	2	100%	OP	Α						
	Santa Ana (Lower)	25	2	2	100%	N/A		Station to undergo renovations for tanks inspections.					
	Camacho	1	1	1	100%	N/A							
	Tenorio	1.5	1	1	100%	N/A							•
	Total=7		15	13	87%								
pum	p availability =no of o	operational pur	nps/no of pumps	*100%									

So	uthern Distri	ct											
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						
	Geus	25	2	2	100%	OP	A						
3	Pigua	7.5	2	2	100%	N/A							
	Toguan	25	2	2	100%	OP	A						
5	WBP-2	25	2	2	100%	OP	A						
6	WBP-1	5	2	2	100%	OP	A						
7	Malojloj Elevated	15	2	2	100%	OP	A						
	Total=7		15	15	100%								
pum	p availability =no of	operational pur	mps/no of pumps	*100%									



Guam Waterworks Authority

VEHICLE FLEET STATUS 11/6/2020

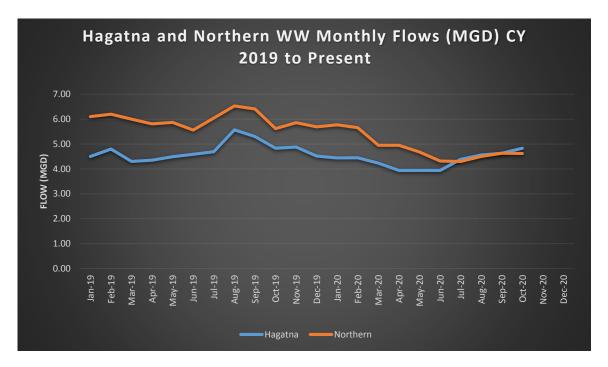
	EQUIPI	MENT STA	ATUS					SUMMARY			
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage	Operational	Operational w/Rprs Pending	Not in Operation- Accident (Docs Pending)	Not in Operation- Assessment Pending	Not in Operation- Repairs Pending	Not in Operation- Vendor Repairs	Recommend Survey
Backhoe (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Dump Truck (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Trailer (Leased)	3	3	0	100%	3	0	0	0	0	0	0
Backhoe	3	2	1	67%	2	0	0	0	1	0	0
Boom Truck	2	0	2	0%	0	0	0	0	0	1	1
Crane	1	1	0	100%	0	1	0	0	0	0	0
Dump Truck	1	1	0	100%	1	0	0	0	0	0	0
Forklift	6	4	2	67%	3	1	0	0	1	0	1
Fuel Tanker	1	1	0	100%	1	0	0	0	0	0	0
Heavy Duty	11	9	2	82%	9	0	0	0	1	0	1
Hoist Rig	1	1	0	100%	1	0	0	0	0	0	0
Jetter	1	1	0	100%	1	0	0	0	0	0	0
Light	156	125	31	80%	123	2	3	2	6	5	15
Mini Backhoe	2	1	1	50%	1	0	0	0	1	0	0
Pumper Truck	1	0	1	0%	0	0	0	1	0	0	0
Skidster	1	0	1	0%	0	0	0	0	1	0	0
Sludge Truck	5	3	2	60%	3	0	0	0	2	0	0
Tractor	2	1	1	50%	1	0	0	1	0	0	0
Tractor Mower	1	0	1	0%	0	0	0	1	0	0	0
Trailer	15	12	3	80%	12	0	0	0	3	0	0
Trencher	1	0	1	0%	0	0	0	0	1	0	0
Vacuum Truck	5	4	1	80%	3	1	0	0	1	0	0
Water Buffalo	2	2	0	100%	2	0	0	0	0	0	0
Water Tanker	5	5	0	100%	5	0	0	0	0	0	0
Compressor	1	1	0	100%	1	0	0	0	0	0	0
Total	252	176	50		176	5	3	5	18	6	18

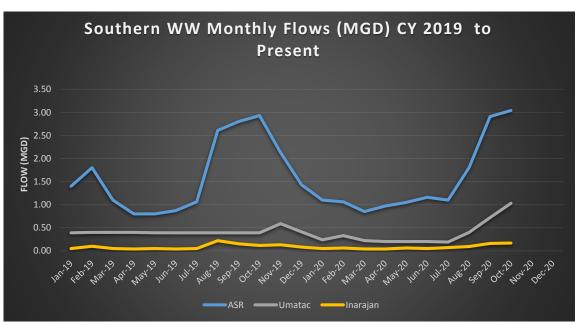
Wastewater Treatment Plant Average Monthy Flows Million Gallons Per Day

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

2020	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-20	4.44	5.77	1.10	0.24	0.05
Feb-20	4.45	5.66	1.06	0.33	0.06
Mar-20	4.23	4.95	0.85	0.22	0.04
Apr-20	3.94	4.95	0.97	0.20	0.04
May-20	3.94	4.68	1.05	0.20	0.06
Jun-20	3.94	4.32	1.16	0.20	0.05
Jul-20	4.39	4.30	1.10	0.19	0.07
Aug-20	4.56	4.50	1.80	0.40	0.09
Sep-20	4.63	4.63	2.91	0.72	0.16
Oct-20	4.83	4.62	3.04	1.03	0.17
Nov-20					
Dec-20					
2020 Average MGD	4.34	4.84	1.50	0.37	0.08
2020 Total MGY	1,582	1,766	549	136	29

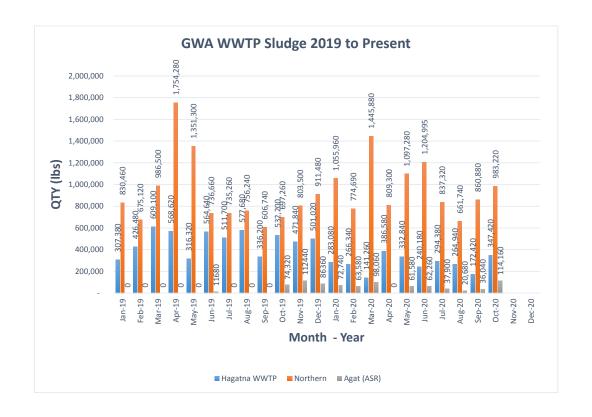
^{*}Agana flow estimated due to barscreen down and bypassed and bypass also includes flow meter. Estimate beginning May.

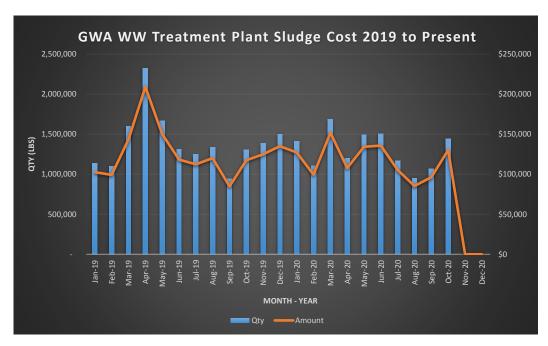


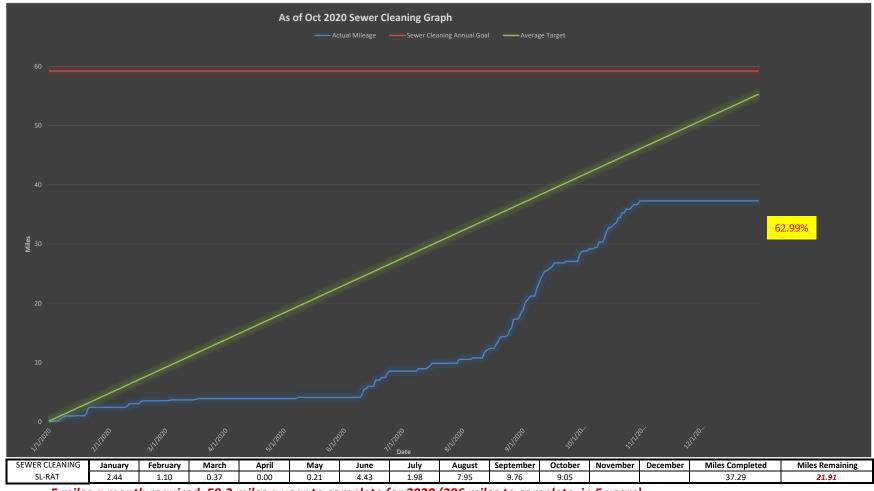


	Hagatr	na WWTP	North	nern	Aga	at (ASR)	Hagatna + N	orthern + Agat
2019	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-19	307,380	\$27,664	830,460	\$74,741	0	\$0	1,137,840	\$102,406
Feb-19	426,480	\$38,383	675,120	\$60,761	0	\$0	1,101,600	\$99,144
Mar-19	609,100	\$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

	Hagatn	a WWTP	North	nern	Aga	at (ASR)	Hagatna + N	lorthern + Agat
2020	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-20	283,080	\$25,477	1,055,960	\$95,036	72,740	\$6,547	1,411,780	\$127,060
Feb-20	266,340	\$23,971	774,690	\$69,722	63,580	\$5,722	1,104,610	\$99,415
Mar-20	141,260	\$12,713	1,445,880	\$130,129	98,060	\$8,825	1,685,200	\$151,668
Apr-20	386,580	\$34,792	809,300	\$72,837	0	\$0	1,195,880	\$107,629
May-20	332,840	\$29,956	1,097,280	\$98,755	61,580	\$5,542	1,491,700	\$134,253
Jun-20	240,180	\$21,616	1,204,995	\$108,450	62,260	\$5,603	1,507,435	\$135,669
Jul-20	294,380	\$26,494	837,320	\$75,359	37,900	\$3,411	1,169,600	\$105,264
Aug-20	264,940	\$23,845	661,740	\$59,557	20,680	\$1,861	947,360	\$85,262
Sep-20	172,420	\$15,518	860,880	\$77,479	36,040	\$3,244	1,069,340	\$96,241
Oct-20	347,420	\$31,268	983,220	\$88,490	114,160	\$10,274	1,444,800	\$130,032
Nov-20		\$0		\$0		\$0	-	\$0
Dec-20		\$0		\$0		\$0	-	\$0
Grand Total	2,729,440	\$245,650	9,731,265	\$875,814	567,000	\$51,030	13,027,705	\$1,172,493







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

59.2 miles x 5 years = 296 miles
296 miles / 5yrs = 59.2 miles a year required to be completed
59.2 miles /12 months = 4.93 miles a month required to be completed
4.92 miles x 5,280 = 25,977.6ft. / 4 weeks = 6,494.4ft. Per week reqired to be completed
6,494.4ft / 5 days = 1,298.8ft required to be completed daily

Guam Waterwork	s Authority		Date:	11/9/2020
	REVI	EWS		
TOTAL PUMPS INSTALLED	172	OVERAL A	VERAGE	93%
TOTAL PUMPS OPERATIONAL	155	% OF OPERAT	ING PUMPS	90%
TOTAL PUMP STATIONS	78			



North	ern District												
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	3	75%	GPA	А	P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs		Pending new pumps which are part of the Northern Treatment	
2	FUJITA	1	4	3	75%	GPA	Α	P#2 was removed 10-29-20 due to bearings issues. On-going work					
3	YPAO	1	2	2	100%	GPA	А	P#2 In for repairs @ JMI; utilizing Machanao pump and volute on line 2.					
4	PASEO DE ORO	1	2	2	100%	GPA	Α						
5	HARMON	2	2	2	100%	GPA	Α						
6	ROUTE 16	1	4	2	50%	GPA	М	P#4 secured, P#3 secured due to flapper in check valve loose.				(OR 36249) - Check Valves (OR 36239) - Plug Valves	
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	Α	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	Α						
9	LATTE SUBMARINE	2	2	2	100%	GPA	Α						
10	LATTE PLANTATION	2	2	2	100%	GPA	Α						
11	PGD	2	2	2	100%	GPA	Α						
12	MACHECHE	2	2	2	100%	GPA	Α						
13	HAFA ADAI	2	2	2	100%	GPA	Α						
14	YPAOPAO	1	3	3	100%	GPA	N/A						
15	PACIFIC LATTE	2	2	2	100%	GPA	Α	P#1 awaiting rewinding, new pump installed on 20-10-2019					
16	YIGO	1	3	3	100%	GPA	Α	Electrician secured P#3 due to light on on mini CAS (Temperature).					
17	ZERO DOWN	2	2	2	100%	GPA	Α						
18	SANTA ANA	2	2	1	50%	GPA	А	P#2 burnt, in for rewinding	20-07-2324			Pending PO (OR36405)	
19	MACHANAONAO	1	2	2	100%	GPA	N/A	P#1 and volute being utilized at Ypao pump station, new pump installed					
20	FEMA 96	2	2	2	100%	GPA	Α	Pumps 1&2 removed awaiting rewinding. Utilizing pumps from Hafa Adai and Old Station 13 pump (BIG BLUE)					
21	ASTUMBO 1	2	2	2	100%	GPA	Α						
22	ASTUMBO 2	2	2	2	100%	GPA	А						
Total	22		52	47	90%								

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	М						
2	COMMERCIAL PORT	1	3	3	100%	OP	А	P# 3 pump works, Standby					
3	PITI	1	2	2	100%	GPA	А						
4	ASAN	1	2	2	100%	GPA	A						
5	SINAJANA	2	2	2	100%	GPA	A						
6	NEW CHAOT	1	3	2	67%	OP	A	Pump #2 tripping. Work order # # 20-11-0456					
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	2	100%	OP	A	Compressor not shutting off work order # 20-11-0457. Station is being drained manually.					
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	1	50%	INOP	А	Pump 1 tripping 11-04-20 wo # 20-11-0202					
12	DOUBLE SHAFT	1	3	2	67%	OP	А	Pump 2 removed due to impeller/Shaft broke				CIP write up for new pump/motor completed. At procument pending review	
13	NAMU	2	1	1	100%	OP	A						
14	TAI MANGILAO	1	3	2	67%	GPA	А	P3 secured due to moisture sensor.	20-03-0868			Pending PO (OR 36406)	
15	MANGILAO	1	2	2	100%	GPA	A			Sump pump burnt and the breaker is damaged			
16	FIDIAN	2	2	2	100%	GPA	А						
17	LEYANG	2	2	2	100%	OP	A						
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	1	50%	OP	A	P1 removed by maintenance Burnt				PO 305324 10/11/2020	
20	DAIRY	1	2	2	100%	INOP	A						
21	BARRIGADA	1	2	2	100%	GPA	A						
22	TOTO GARDENS	2	2	1	50%	INOP	A	Pump 2 removed awaiting repairs				10/15/2020 (PO 305166)	
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	2	100%	Portable	A			GPA RELOCATED GENERATOR			
25	MAITE	2	2	1	50%	GPA	А	# 2 motor removed date 10-20-2020					
26	BAYSIDE	2	1	1	100%	INOP	А						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	3	100%	OP	А						
29	Agana Main	1	4	3	75%	OP	А	P4 is on Line # 2 /awaiting line 4 riser to be cleaned					
Total	29		63	55	87%								

South	Southern District												
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	3	75%	OP	MAN	10-30-20 PEZ was removed and delivered to Guarn Motor Revind for repairs. 10-10-20 Requested I.T. to make assessments to LCF panel not in operation. Pumps are being operated manusally due to pump controller not communicating with VDI. Not submitted evolution to troublehoods. System needs to be re-programed. Rogar eliminated transducer and utilized existing floats controls for station to be able to present on such. Pending approval of price quotation for reprograming system.	(P-2 20-09-2380) (LCP - 20-10-0696)			Pump #2 Dec. 30, 2020	
2	PUMP STATION #11	2	2	2	100%	INOP	AUTO						
3	PUMP STATION #12	1	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	2	100%	OP	AUTO			Pumps are alternated weekly			
5	PUMP STATION #15	1	2	1	50%	INOP	AUTO	9-24-20 Maintenance team replaced original pump 1[25hp] with new Sulzer pump (34hp) due to the previous pump was not depleting wet well level-9-28-20. Pump was later removed again due to pump DI sensor had activated. Pump is awaiting DI cable replacement and rebaking due to pump had a low megger reading.	20-09-1796	Pump #1 defective hourly meter.	20-05-1208		Generator Secured By GPA 4/18/20 due to Oil Leak.
6	PUMP STATION #16	2	2	2	100%	OP	AUTO						
7	PUMP STATION #17	2	2	2	100%	OP	AUTO						
8	PUMP STATION #18	2	2	2	100%	OP	AUTO						
9	INARAJAN MAIN	1	2	2	100%	OP	AUTO						
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO						
11	TALAFOFO	1	2	2	100%	OP	AUTO	1-17-20 Electricians determined that the sump pump is grounded and was recommended to be replaced. Entered work order into Lucity requesting maintenance to replace. (Pending OQ from maintenance team for order of sump pumps)	SUMP PUMP 20-01-0733	6-6-19 Exhaust blower for wet well is defective and needs replacement. Requested for electricians to relocate the existing blower unit at the old Agat treatment plant wet well and install it at Talofofo.		11-5-19 \$10,140.00 New M.W. ventilation repair quotation was sent to Mary. All ventilation ducts needs to be fabricated and installed.	Need a new quote for OQ for new fiscal year. Will include replacement of blower due to blower from old Agat TP is not the same size.
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALIGAN	2	2	2	100%	OP	MAN			Requesting for electricians to make assessments to ventilation system to make it operational.	(Vent- 19-12- 0390)	12-23-19 Fred is working on getting a lift to be able to go to the roof top to make assessments on the motor.	Pending PO for lift for electricians to access roof top to inspect blower.
14	EJECTOR #2	2	2	1	50%	PORTABLE /INOP	NA	10-21-20 Compli1 motor tripping. Motor was removed by maintenance crew due to unit was determiend burnt by electricians.	20-10-1436			OQ 37385 (Pending OR and PO)	
15	EJECTOR #3	2	2	2	100%	PORTABLE /INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	2	100%	PORTABLE/INOP	NA						
18	EJECTOR #6	2	2	2	100%	PORTABLE/INOP	NA						
19	EJECTOR #7	2	2	1	50%	PORTABLE/INOP	NA	9-4-20 Comp. motor#1 tripping. It was determined by the electricians that the compressor is the issue and is beyond repair. Electricians are recommending for compressor#1 to be replaced.	Comp. Replace 20-09- 0714	9-23-20 Valve#2 severly leaking and needs replacement. Valve replacement schedule is pending. Valves were replaced 11-12-20.	WO#20-09- 1766	OQ 37385 (Pending OR and PO)	
20	NORTH REYES	2	2	2	100%	PORTABLE/INOP	NA						
21	LEYON #3 (DanDan)	2	2	2	100%	OP	MAN						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	3	100%	OP	AUTO			Sumitomo 7-14-2020 working on valve leaks and bleeder valve relacement for pump #1			
25	Windward Hills	1	3	3	100%	OP	AUTO						
26	Aplacho	1	3	3	100%	OP	AUTO						
	26		56	52	93%								
pump av	ailability =no of operatio	nal pumps/no	of pumps*100%										

	1	Asan By-pass	1	1	1	100%		Pump from Sunrise Villa			
т	otal	1		1	1	100%					