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
8:30 a.m., Tuesday, February 15, 2022

AGENDA

1. **CALL TO ORDER**

2. **ISSUES FOR DECISION**
   - **2.1** **Relative to the Authorization for the Guam Power Authority and the Guam Waterworks Authority to Award a Contract for Merchant Banking Services / GWA Resolution No. 08-FY2022; GPA Resolution No. FY2022-12**
   - **2.2** **Relative to Authorizing the Guam Waterworks Authority to Issue an Invitation for Bid (IFB) to Procure Property, General Liability, and Other Insurance Services / Resolution No. 09-FY2022**
   - **2.3** **Relative to Approval of Construction Contract Change Order No. 2 for the Tamuning "Hot Spots" Sewer System Rehabilitation and Replacement Project (S15-006-EOA) / Resolution No. 10-FY2022**
   - **2.4** **Relative to Approval of the Additional Funding to the Construction Contract for the Tank Repair and Bypass Project / Resolution No. 11-FY2022**
   - **2.5** **Relative to Approval of Amendment for the Indefinite Delivery/Indefinite Quantity Professional Project/Construction Management Services Contract – Additional Archaeological Monitoring Under Task Order No. 4 / Resolution No. 12-FY2022**

3. **GM REPORT**
   - **3.1** **Administration**
   - **3.2** **Compliance**
   - **3.3** **Engineering / Capital Improvement Program**
   - **3.4** **Financial**
   - **3.5** **Operations**
   - **3.6** **Other**

4. **OTHER DISCUSSION**
   - **4.1** **CCU Rules Update**

5. **ANNOUNCEMENTS**
   - **5.1** **Next CCU Meetings: GPA Work Session: February 17; CCU Regular Monthly Mtg.: February 22**

6. **ADJOURNMENT**

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 09-FY2022
Relative to Authorizing GWA to Issue an Invitation for Bid (IFB) To Procure Property, General Liability, Directors & Officers Liability, and Other Insurance Services

What is the project's objective and is it necessary and urgent?
This resolution seeks authority to issue an Invitation for Bid to procure commercial insurance as well as to petition the Guam Public Utilities Commission for approval under the contract review protocol.

The current insurance policies expire on May 1, 2022. A new Invitation for Bid will be issued to replace the existing policies for a period of at least three years. The policies are necessary to comply with the existing bond indenture as well as mitigate risks of financial loss from certain perils.

Where is the location?
The coverage will extend agency wide.

How much will it cost?
Based on current experience, the policies will cost approximately $1 million annually.

When will it be completed?
The policies will replace existing policies beginning on May 1, 2022 so there is no lapse in service.

What is the funding source?
Revenues will fund the commercial insurance policies.

The RFP/BID responses (if applicable):
GWA contracted with Bolton in response to RFP 2021-04 to perform risk management and insurance consulting services. Bolton is performing a review of existing policies and assisting in the preparation of an IFB. GWA IFB No. 2022-09 for Property, General Liability, and Other Insurance Services is in draft form. Once GWA obtains the appropriate approvals, the IFB will be issued.

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GWA RESOLUTION NO. 09-FY2022

RELATIVE TO AUTHORIZING GWA TO ISSUE AN INVITATION FOR BID (IFB) TO PROCURE PROPERTY, GENERAL LIABILITY, AND OTHER INSURANCE SERVICES

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, Section 6.06 Insurance of the 2005 General Indenture relative to GWA's Water and Wastewater System Revenue Bonds, requires GWA *to maintain or cause to be maintained insurance on the System with responsible insurers in such amounts and against risks as are usually maintained by prudent operators of systems similar and similarly situated*; and

WHEREAS, *System*, as defined in the Indenture, *means the water and sewer systems, now or hereafter existing, owned and/or operated by the Authority or its contractors, agents, or subcontractors*; and

WHEREAS, GWA currently maintains five (5) year insurance policies for property, general liability, directors & officers liability, automobile, crime, and cyber liability, (See ATTACHMENT "A") whose term will expire on 12:01 am, May 1, 2022; and

WHEREAS, GWA management desires to procure similar commercial insurance, adjusted for GWA's current state of condition, upon the expiration of the current policy in force; and

WHEREAS, GWA procured the services of Bolton Insurance and Risk Management (Bolton), through RFP 2021-04, to perform risk management and insurance consulting services; and

WHEREAS, GWA and Bolton are finalizing the Request for Bid for insurance, GWA IFB No. 2022-09; and

WHEREAS, based on past experience, GWA has found that a three (3) year or five (5) years term for insurance services is efficient, cost effective and beneficial to GWA; and

WHEREAS, based on GWA's best estimate and recent actual insurance premium expenditures, the cost of procured insurance services over the expected contract term will exceed $1,000,000; and

WHEREAS, under the Guam Public Utilities Commission's (GPUC) Contract Review Protocol for Guam Waterworks Authority, CCU approval of the proposed procurement and permission to petition the GPUC for procurement approval is necessary.

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the issuance of an IFB for insurance to be necessary and prudent, and in alignment with the requirements of GWA's bond indenture.
3. The CCU finds and agrees with the plan to solicit new insurance bids for a three (3) to five (5) years term as efficient, cost effective and beneficial to GWA.
4. The approval authorized in Item 3, is subject to GWA obtaining the approval of the GPUC under the Contract Review Protocol and, accordingly, the CCU further authorizes the General Manager to petition for the PUCs' approval.

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5. The CCU herby further authorizes the General Manager to execute all documents and undertake all reasonable actions necessary to issue an Invitation for Bid to procure commercial insurance.

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

DULY AND REGULARLY ADOPTED, this 22nd day of February 2022.

Certified by:	Attested by:
_____	_____
JOSEPH T. DUENAS	**MICHAEL T. LIMTIACO**
Chairperson	Secretary

SECRETARY'S CERTIFICATE

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

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

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

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ATTACHMENT A

GUAM WATERWORKS AUTHORITY
2021 SUMMARY OF INSURANCE COVERAGES

POLICY TYPE	POLICY DESCRIPTION	CURRENT INSURER	COVERAGE	2021 PREMIUM
PROPERTY	**COVERAGE:** Blanket Coverage for All-Risk including Earthquake, Windstorm, Flood, Typhoon and Tidal Wave. Property Damage, Loss of Revenue / Business Interruption and Extra Expense; Boiler Explosion and Machinery Breakdown **SUBLIMITS (Each & Every Occurrence)** Personal Property in Transit Valuable Papers and Records and Computer Automatic Acquisition Boiler Explosion and Machinery Breakdown Personal Property in Transit Denial of Access Suppliers' and Customers' Debris Removal Mold Damage (in the aggregate) **RETENTIONS (Each & Every Loss):** Earthquake, Windstorm, Flood, Typhoon & Tidal Wave All Other Covered Perils	DB Insurance	$30,000,000 *Each & every occurrence* $250,000 $1,000,000 $1,000,000 $5,000,000 $250,000 $1,000,000 $1,000,000 $1,000,000 $250,000 $1,000,000 $100,000	**$701,530.00**
CYBER LIABILITY	**INSURANCE MODULES:** Security & Privacy Multimedia & Intellectual Property Physical Damage, Physical Loss & Debris Removal Event Support Expenses Privacy Regulatory Defense & Penalties Network Extortion Electronic Theft, Computer Fraud and Telecommunications Fraud Social Engineering Fraud Reputational Damage PCI DSS Fines and Assessments Coverage Business Income Loss Data Asset Recovery Dependent Business Income Loss and Data Asset Recovery Hardware Replacement Costs Forensic Accounting Costs Invoice Manipulation Fraud **DEDUCTIBLE:** Each and every claim Waiting Period in respect of Dependent Business Income Loss and Data Asset Recovery	DB Insurance	Total Limit of Liability: $3M $3,000,000 $3,000,000 $250,000 $3,000,000 $3,000,000 $3,000,000 $250,000 $250,000 $3,000,000 $3,000,000 $3,000,000 $3,000,000 $250,000 $250,000 $15,000 $250,000 $250,000 8 Hours	**$37,994.51**
GENERAL LIABILITY	**LIMIT OF LIABILITY:** Section A - Public Liability Section B - Pollution Liability Section C - Products Liability Personal Injury **DEDUCTIBLE:** Excess each and every loss	DB Insurance	$25M CSL $25,000,000 $15,000,000 $25,000,000 $10,000,000 $300,000	**$169,716.67**
DIRECTORS & OFFICERS LIABILITY	**LIMIT OF LIABILITY:** (aggregate for coverages A&B combined including Defense Cost) A. Non Indemnifiable Loss: B. Company Reimbursement and Indemnifiable Loss: Employment Related Practices: **RETENTION (any one claim):** Non Indemnifiable Loss: Company Reimbursement and Indemnifiable Loss:	DB Insurance	 $2,000,000 $2,000,000 $1,000,000 NIL NIL	**$15,921.18**
AUTOMOBILE	**LIMIT OF LIABILITY:** A. Bodily Injury & Property Damage Liability B. Medical Payments - each person C. Uninsured Motorists - each person/accident D. Collision (to selected vehicles)	DB Insurance	 $2,000,000 $1,000 $25,000 / $50,000 ACV	**$38,363.55*** *initial premium (varies throughout the coverage period)
CRIME	**DEDUCTIBLE** *$50,000 for all sections of coverage except in respects of Loss inside Premises & Loss Outside Premises which will be $10,000* A. Employee Dishonesty Coverage - Form A B. Loss Inside the Premises Coverage C. Loss Outside the Premises Coverage D. Depositors Forgery Coverage E. Money Orders and Counterfeit Paper Currency Coverage F. Check Forgery G. Third Party Computer Fraud H. Costs	DB Insurance	 $1,000,000 $100,000 $100,000 $100,000 $100,000 $100,000 $100,000 $100,000	**$5,245.00**
			TOTAL ANNUAL PREMIUM :	**$968,770.91**

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Issues for Decision

Resolution 11-FY2022
Relative to Approval of the Additional Funding to the Construction Contract for the Tank Repair and Bypass Project

What is the projects' objective and is it necessary and urgent?
The Tank Repair and Bypass project is required to complete 2011 Court Order requirements for repair, rehabilitation, or replacement of GWA's water reservoirs, was awarded to AIC International, Inc. under CCU Resolution No. 10-FY2020 and amended under Resolution No. 10-FY2021 to include various additive bid items as the project progressed. The current request for additional funding under this contract will allow additional Court Order-required improvements to be constructed. The work under this contract is necessary and urgent to meet the extended 2011 Court Order deadlines for compliance.

The Santa Ana tank bypass (Upgrade of Santa Ana BPS) is projected to be completed by the end of February 2022. Once the bypass is in service, the tank will be taken offline for API/structural inspections. It is anticipated that the tank will require major repairs.

The Umatac Subdivision Bypass (Upgrade of Geus BPS) is projected to be completed and ready for service March 2022. Once the bypass is completed, the tank will be taken offline for API/structural inspections. It is anticipated that the tank will need major repairs.

Further structural inspection was completed at Astumbo No. 1 to assess a portion of the tank shell wall. It was recommended by the API inspector that 7 wall shell plates would need complete replacement.

GWA management is seeking approval for the funding for the tank repairs to be inline with the inspection report repair recommendations to prevent delays placing the tanks online.

Where is the project located?

Santa Ana Reservoir
The tank is located off Route 2

Umatac Subdivision Reservoir
The tank is located off Route 4

Astumbo No. 1 Reservoir
The tank is located off Chalan Palauan

How much will it cost?

1. Additive Bid No. 2: Santa Ana Tank Major Repair proposal submitted by AIC International, Inc. is $1,098,564.00.

2. Additive Bid No. 3: Umatac Subdivision Major Repair proposal submitted by AIC International, Inc. is $877,877.00.

3. Astumbo No. 1 Tank Shell Plate Replacement: $760,530.00

Total Estimated Repair Cost: $2,736,971.00

Due to the nature of steel tank repairs, GWA management is requesting a 15% contingency of $410,546.00 to address additional repairs needed that were not included in the Additive Bid major repair items after full API/structural inspection and interior sand blasting.

Total requested funding amount is $3,147,517.00.

When will it be completed?

1. Santa Ana Repair: The Contractor shall begin work upon issuance of the Change Order Notice to Proceed (NTP) and shall be substantially completed as specified no later than 180 calendar days or otherwise negotiated.

2. Umatac Subdivision Major Repair: The Contractor shall begin work upon issuance of the Change Order Notice to Proceed (NTP) and shall be substantially completed as specified no later than 180 calendar days or otherwise negotiated.

3. Astumbo No. 1: The Contractor shall begin work upon issuance of the Change Order Notice to Proceed (NTP) and shall be substantially completed as specified no later than 180 calendar day or otherwise negotiated.

What is the funding source?

1. CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
2. CIP PW 09-11: Water System Reservoirs 2005 Improvements

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GWA RESOLUTION NO. 11–FY2022

RELATIVE TO APPROVAL OF THE ADDITIONAL FUNDING TO THE CONSTRUCTION CONTRACT FOR THE TANK REPAIR AND BYPASS PROJECT

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 currently has critical Court Order ("CO") Projects that includes the Santa Ana, Agat-Umatac, Umatac Subdivision, Pigua Merizo, Malojloj, Windwards Hills, Kaiser, Yigo, and Astumbo Tanks, as stated in Paragraph 29.b of the Order for Preliminary Relief Re: Deadlines for Outstanding Projects Under the Amended Stipulated Order; and

WHEREAS, Resolution No. 10-FY2020 (See Exhibit A) authorized GWA management to enter into contract with AIC, International for GWA IFB-06-ENG-2019 Tank Repair and Bypass Project in the amount of Five Million Four Hundred Two Thousand Three Hundred Twenty-Six Dollars ($5,402,326.00), along with a 10% contingency of Five Hundred Forty Thousand Two Hundred Thirty-Three Dollars ($540,233.00), bringing the total authorized funding amount to Five Million Nine Hundred Forty-Two Thousand Five Hundred Fifty-Nine Dollars ($5,942,559.00) for various base bid items in the IFB; and

WHEREAS, Resolution No. 10-FY2021 (See Exhibit B) authorized an additional Two Million Two Hundred Twenty-Six Thousand Eight Hundred Sixty-Two Dollars ($2,226,862.00) along with a 15% contingency of Three Hundred Thirty-Four Thousand Twenty-Nine Dollars

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($334,029.00) for various additive bid items, bringing the total authorized funding to Eight Million Five Hundred Three Thousand and Four Hundred Fifty Dollars ($8,503,450.00); and

WHEREAS, in accordance with previous CCU authorization, GWA has issued Change Order No. 1 for Yigo No. 3 Major Repair, Change Order No. 2 for the Agat-Umatac Major Repair, Change Order No. 3 for Astumbo No. 1 Major Repair, and Change Order No. 4 for Windward Hills Major Repair, and Change Order No. 5 for various repair and bypass work associated with the tanks; and

WHEREAS, Tank Repair and Bypass Project, IFB-06-EN-2019, included Additive Bid Major Repair Items No. 2 and No. 3 for the Santa Ana and Umatac Subdivision (See Exhibit C); and

WHEREAS, Astumbo No. 1 tank requires additional funding to replace wall shell plates (See Exhibit D); and

WHEREAS, GWA Management is seeking additional funding for repair of the Santa Ana, Umatac Subdivision, and Astumbo tanks in the amount of Two Million Seven Hundred Thirty-Six Thousand Nine Hundred Seventy-One Dollars ($2,736,971.00) along with a 15% contingency of Four Hundred Ten Thousand Five Hundred Forty-Six Dollars ($410,546.00), bringing the total additional funding amount to Three Million One Hundred Forty-Seven Thousand Five Hundred Seventeen Dollars ($3,147,517.00).; and

WHEREAS, the funding sourced for the construction project will be from bond funds as detailed in the following CIP line items:

- CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
- CIP PW 09-11: Water System Reservoirs 2005 Improvements

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU hereby authorizes Three Million One Hundred Forty-Seven Thousand Five Hundred Seventeen Dollars ($3,147,517.00) to fund the Santa Ana, Umatac Subdivision, and Astumbo tank repairs (Exhibits C and D) to bring the total project authorization to Eleven Million Six Hundred Fifty Thousand Nine Hundred Sixty-Seven Dollars ($11,650,967.00).
3. The CCU hereby approves the use of funding sources from the following CIP line items:
    a. CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
    b. CIP PW 09-11: Water System Reservoirs 2005 Improvements

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

DULY AND REGULARLY ADOPTED, this 22rd day of February 2022.

Certified by:

_____
JOSEPH T. DUENAS
Chairperson

Attested by:

_____
MICHAEL T. LIMTIACO
Secretary

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SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSENT: _____

ABTAIN: _____

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GWA RESOLUTION NO. 10-FY2020

RELATIVE TO APPROVAL OF THE CONSTRUCTION CONTRACT FOR THE TANK REPAIR AND BYPASS PROJECT

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 currently has critical Court Order ("CO") Projects that include the Santa Ana, Agat-Umatac, Umatac Subdivision, Pigua Merizo, Malojloj, Windwards Hills, Kaiser, Yigo and Astumbo No. 2 Tanks, as stated in Paragraph 29.b of the Order for Preliminary Relief Re: Deadlines for Outstanding Projects Under the Amended Stipulated Order; and

WHEREAS, GWA has advertised an Invitation for Bid (IFB-06-ENG-2019) soliciting bid proposals from experienced, responsible, and responsive bidders to construct tank bypass systems to allow for inspection and repair of the tanks; and

WHEREAS, under the Base Bid Work, the Santa Ana, Agat-Umatac, Umatac Subdivsion, Pigua Merizo, Malojloj, Windward Hills, and Kaiser tank shall undergo inspection and minor repair work;

WHEREAS, should the tank inspections warrant the above tanks to undergo major repair as detailed in the Additive Bid Work, a change order shall be negotiated with the Contractor;

//

WHEREAS, under Base Bid Work, the Astumbo No. 2 tank shall undergo major repair which includes complete exterior and interior tank painting, new tank floor, weld repairs, cathodic protection, and miscellaneous repairs;

WHEREAS, under Additive Bid No. 1, the Yigo No. 3 tank shall undergo major repair which includes complete exterior and interior tank painting, weld repairs, cathodic protection, and miscellaneous repairs;

WHEREAS, IFB packages were picked up by 8 interested bidders, from which GWA received bid proposals from 2 of the 8 parties before the IFB submittal deadline (See Exhibit A – Abstracts of Bid); and

WHEREAS, GWA engineering team analyzed all bid proposals received on November 21, 2019 and determined AIC International, Inc. as being the lowest responsive and responsible bidder and met all the bid requirements set forth by GWA; and

WHEREAS, GWA management finds that AIC International, Inc.'s Base Bid proposal of Four Million Two Hundred Eight Thousand One Hundred Ninety-Seven Dollars ($4,208,197.00) to be acceptable (See Exhibit B – Bid Form).

WHEREAS, GWA Management will assess any additional funding availability from the latest Capital Improvements Plan to ascertain if any or all the Additive bid items as part of this IFB can be awarded later through a change order or via a subsequent CCU approval as a means of maximizing system improvements efficiently; and

WHEREAS, GWA Management is seeking approval to enter in contract for the Base Bid work with AIC International, Inc. (IFB-06-ENG-2019) in the amount of Four Million Two Hundred Eight Thousand One Hundred Ninety-Seven Dollars ($4,208,197.00), along with a ten percent (10%) contingency of Four Hundred Twenty Thousand Eight Hundred Twenty Dollars ($420,820.00), bringing the total Base Bid requested funding amount to Four Million Six Hundred Twenty Nine Thousand Seventeen Dollars ($4,629,017.00); and

//

WHEREAS, GWA Management is seeking approval to include in such contract Additive Bid No. 1 – Yigo No. 3 Major Repair Work in the amount of One Million One Hundred Ninety-Four Thousand One Hundred Twenty-Nine Dollars ($1,194,129.00) after entering into contract with AIC International, Inc., along with a ten percent (10%) contingency of One Hundred Nineteen Thousand Four Hundred Thirteen Dollars ($119,413.00), bringing the total additive bid item funding amount to One Million Three Hundred Thirteen Thousand Five Hundred Forty-Two Dollars ($1,313,542.00).

WHEREAS, the funding source for the construction project will be from bond funds as detailed in the following CIP line items:

- CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
- CIP PW 09-11: Water System Reservoirs 2005 Improvements

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the bid proposal submitted by AIC International, Inc. are fair and reasonable.
3. The CCU hereby authorizes the management of GWA to accept bid from AIC International, Inc. attached hereto as Exhibit B, and which is also incorporated into this Resolution in its entirety.
4. The CCU hereby authorizes the management of GWA to enter into a contract with AIC International, Inc. in the amount of Four Million Two Hundred Eight Thousand One Hundred Ninety-Seven Dollars ($4,208,197.00) for base bid work plus the amount of One Million One Hundred Ninety-Four Thousand One Hundred Twenty-Nine Dollars ($1,194,129.00) for additive bid item work.
5. The CCU hereby approves the funding total of Five Million Four Hundred Two Thousand Three Hundred Twenty Six Dollars ($5,402,326.00), along with a ten percent (10%) contingency of Five Hundred Forty Thousand Two

Hundred Thirty Three Dollars ($540,233.00), bringing the total authorized funding amount to Five Million Nine Hundred Forty Two Thousand Five Hundred Fifty Nine Dollars ($5,942,559.00).

6. The CCU hereby approves the use of funding sources from the following CIP line items:
    a. CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
    b. CIP PW 09-11: Water System Reservoirs 2005 Improvements

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

DULY and REGULARLY ADOPTED, this 28th day of January 2020.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

SECRETARY'S CERTIFICATE

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

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

AYES: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0

EXHIBIT A

ORIGINAL

GUAM WATERWORKS AUTHORITY
ABSTRACT OF BIDS

Project Name: **TANK REPAIR AND BYPASS**
Project Number: W19-003-BND IFB No.: IFB-06-ENG-2019

Bid Opening Date: November. 21, 2019
Time: 3:00 PM

	Bidders Name	Section A-5 Bid Bond	CERTIFICATIONS								Addendum			BID AMOUNT		
			Qualification Statement	Non Collusion Affidavit	EEO Certification	Non Segregated Facilities	Sex Offender Certification	Wage and Benefit Determination	Major Shareholder Affidavit	Special Instructions to Bidders	1	2	3	BASE BID	ADDITIVE BID NO. 1	BASE + ADDITIVE
1.	MURPHY ENTERPRISES	—														
2.	VG GOZUM CONSTRUCTION	—														
3.	IAN CORPORATION	—														
4.	AYM INTERNATIONAL INC.	—														
5.	SUMITOMO-MITSUI CONSTRUCTION CO.	Federal Insurance Company 15% of bid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	$7,079,883	$7,797,117	$14,877,000
6.	GENERAL + PLUMBING	—														
7.	AIC INTERNATIONAL INC.	Fidelity and deposit company of maryland, 15% of bid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	$4,208,215	$8,602,200	$12,810,415
8.	FRONTIER SUPPLY	—														
	GWA Estimate													$4,039,625.01	$10,139,655.50	$14,179,280.51

Bids Opened and Read by:
GLORIA P. BENSAN
(Name and Signature)

Tabulated By:
Ryan Diaz
(Name and Signature)

GWA Procurement Representative:
ROLAND F. LUMONGSOD
(Name and Signature)

Witnesses:

EXHIBIT B

BID PRICE EVALUATION:

- GWA's evaluation showed discrepancies in both the total base bid and additive bid prices. The total amount for the base bid and additive bid appears to be incorrect and does not correlate with the actual sum of bid prices upon review. Discrepancies were found on Table Mand N, total base bid and additive bid amounts. GWA obtained total amounts of **$4,208,197.00** and **$8,602,199.00**, but the Bid Form Revision 1 indicated total amounts of **$4,208,215.00** and **$8,602,200.00**, respectively. Please verify the correct subtotal and total amounts in each of the tables on the Bid Form Revision 1 and submit a letter to confirm the bid price with the correct corresponding values to GWA Engineering Division.

AIC Response:
Please see attached corrected Bid Form. Note that the above discrepancies were due to the rounding of numbers.

EXHIBIT B

BID FORM

Tank Repair and Bypass GWA Project No. W19-003-BND

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EXHIBIT B

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

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

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

Addendum No.	Addendum Date
01	October 09, 2019
02	October 25, 2019
03	November 13, 2019

B. Bidder has visited the Sites, conducted a thorough, alert visual examination of the Sites and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied, considered, and correlated the information known to Bidder; information commonly known to sellers of similar goods doing business in the locality of the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; information and observations obtained from Bidder's visits, if any, to the Point of Destination and the site where the Goods will be installed or Special Services will be provided; and any reports and drawings identified in the Bidding Documents regarding the Point of Destination and the site where the Goods will be installed or where Special Services will be provided, with respect to the effect of such information, observations, and documents on the cost, progress, and performance of Seller's obligations under the Bidding Documents.

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E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Sites; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.

F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.

G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.

I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.

J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;

B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and

D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:

1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;

2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and

EXHIBIT B

4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following items and be measured and paid for at the contract unit prices as follows:

Base Bid items No. 1 – No. 2: Overall Project Mobilization and Demobilization and Bypass Works

Payment shall be made on a lump sum basis. Payment shall be full compensation for all costs and work required to mobilize to the site, demobilize from the site and provide bypass works including but not limited to, shipping, transportation, associated labor, bond fees, permitting and associated fees, transporting tools, equipment and supplies from site to site throughout the project area, and all related items to provide for mobilizing and demobilizing to complete the work under this contract.

Base Bid items No. 3 – No. 10: Tank Repair

Payment for each Bid item 3 through 10, inclusive, shall be made on a lump sum basis per Tank Bypass and Tank Repair bid item. Payment shall be fully compensated for all costs for work described in Section 001 11 00 "Summary", the bid schedule, the specifications, and drawings.

Additive Bid items No. 1 – No. 8: Major Tank Repair

Payment shall be made on a lump sum basis. Payment shall be full compensation for all costs and work required to complete all listed bid items to include but not limited to testing, disinfection procedures, commissioning and close-out.

EXHIBIT B

TABLE A - BASE BID - GENERAL WORK TANK BYPASS AND REPAIR BID SCHEDULE				
Item No.	**Description**	**Quantity**	**Unit**	**Amount**
1.00	General Work			
1.01	Mobilization and Demobilization (5%)	1	LS	$ 167,547.00
1.02	Insurance and Bond (1%)	1	LS	$ 34,665.00
1.03	Permits	1	LS	$ 96,873.00
1.04	Documentation	1	LS	$ 16,005.00
1.05	Project Management	1	LS	$ 459,386.00
	Subtotal	1	LS	$ 774,476.00

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EXHIBIT B

TABLE B - BASE BID - TANK BYPASS WORK

TANK BYPASS AND REPAIR BID SCHEDULE

Item No.	Description	Quantity	Unit	Amount
2.00	**Bypass Works**			
2.10	Santa Ana Tank Bypass			
2.11	Civil Works	1	LS	$ 96,148.00
2.12	Electrical Works	1	LS	$ 213,359.00
2.13	Instrumentation and Control Works	1	LS	$ 18,442.00
	Subtotal	1	LS	$ 327,949.00
2.20	Umatac Subdivision Tank Bypass			
2.21	Civil Works	1	LS	$ 96,148.00
2.22	Electrical Works	1	LS	$ 151,709.00
2.23	Instrumentation and Control Works	1	LS	$ 18,442.00
	Subtotal	1	LS	$ 266,299.00
2.30	Pigua Merizo Tank Bypass			
2.31	Civil Works	1	LS	$ 96,148.00

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2.32	Electrical Works	1	LS	$ 158,533.00
2.33	Instrumentation and Control Works	1	LS	$ 18,422.00
	Subtotal	1	LS	$ 273,103.00
2.40	Malojloj Tank Bypass			
2.41	Civil Works	1	LS	$ 96,148.00
	Subtotal	1	LS	$ 96,148.00
			Subtotal	$ 963,499.00

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TABLE C - BASE BID - MINOR TANK REPAIR WORK

TANK BYPASS AND REPAIR BID SCHEDULE

Item No.	Description	Quantity	Unit	Unit Cost	Amount
3.00	Santa Ana Tank - 1.0 MG (Diameter = 66', Height = 41')				
3.01	Pressure wash interior tank wall (first 2 shell course) and complete tank floor, including removing and disposal of bottom sediment and debris	1	LS	$ 24,184.00	$ 24,184.00
3.02	Complete pressure wash of tank exterior	1	LS	$ 17,820.00	$ 17,820.00
3.03	Provide man-lift for GWA's API-653 inspector to inspect tank exterior	3	DAYS	$ 1,455.00	$ 4,365.00
3.04	Provide movable scaffolding reaching up to the tank interior roof for GWA's inspector to completely inspect tank interior	1	LS	$ 6,582.00	$ 6,582.00
3.05	Repair corrosion spots on tank interior floor, wall, roof, purlins, piping, and columns by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 128.00	$ 25,600.00
3.06	Repair corrosion spots on tank exterior wall, wind girders, roof knuckle, roof, roof platform, and platform by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 115.00	$ 23,000.00
3.07	Repair roof vent and flange connection, to include metal repair, abrasive grinding, coating, and screen replacement (316 stainless steel mesh)	1	EA	$ 6,110.00	$ 6,110.00

3.08	Repair roof access hatch, to include metal repair, abrasive grinding and coating	1	EA	$ 5,728.00	$ 5,728.00
3.09	Repair side access manway, to include metal repair, abrasive grinding, coating, and new gasket	2	EA	$ 5,728.00	$ 11,456.00
3.10	Exterior and interior weld repair, including preparation, welding, testing, and coating	100	LF	$ 319.00	$ 31,900.00
3.11	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 26,729.00	$ 26,729.00
				Subtotal:	$ 183,474.00
4.00	Umatac Subdivision Tank - 0.5 MG (Diameter = 54', Height = 41')				
4.01	Pressure wash interior tank wall (first 2 shell course) and complete tank floor, including removing and disposal of bottom sediment and debris	1	LS	$ 17,820.00	$ 17,820.00
4.02	Complete pressure wash of tank exterior	1	LS	$ 14,001.00	$ 14,001.00
4.03	Provide man-lift for GWA's API-653 inspector to inspect tank exterior	3	DAYS	$ 1,455.00	$ 4,365.00
4.04	Provide movable scaffolding reaching up to the tank interior roof for GWA's inspector to completely inspect tank interior	1	LS	$ 6,582.00	$ 6,582.00
4.05	Repair corrosion spots on tank interior floor, wall, roof, purlins, piping, and columns by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 128.00	$ 25,600.00

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4.06	Repair corrosion spots on tank exterior wall, wind girders, roof knuckle, roof, roof platform, and platform by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 115.00	$ 23,000.00
4.07	Repair roof vent and flange connection, to include metal repair, abrasive grinding, coating, and screen replacement (316 stainless steel mesh)	1	EA	$ 6,110.00	$ 6,110.00
4.08	Repair roof access hatch, to include metal repair, abrasive grinding and coating	1	EA	$ 5,728.00	$ 5,728.00
4.09	Repair side access manway, to include metal repair, abrasive grinding, coating, and new gasket	2	EA	$ 5,728.00	$ 11,456.00
4.10	Exterior and interior weld repair, including preparation, welding, testing, and coating	100	LF	$ 319.00	$ 31,900.00
4.11	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 23,547.00	$ 23,547.00
				Subtotal:	$ 170,109.00
5.00	Pigua Merizo Tank - 0.5 MG (Diameter = 54', Height = 41')				
5.01	Pressure wash interior tank wall (first 2 shell course) and complete tank floor, including removing and disposal of bottom sediment and debris	1	LS	$ 17,820.00	$ 17,820.00
5.02	Complete pressure wash of tank exterior	1	LS	$ 14,001.00	$ 14,001.00
5.03	Provide man-lift for GWA's API-653 inspector to inspect tank exterior	3	DAYS	$ 1,455.00	$ 4,365.00

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5.04	Provide movable scaffolding reaching up to the tank interior roof for GWA's inspector to completely inspect tank interior	1	LS	$ 6,582.00	$ 6,582.00
5.05	Repair corrosion spots on tank interior floor, wall, roof, purlins, piping, and columns by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 128.00	$ 25,600.00
5.06	Repair corrosion spots on tank exterior wall, wind girders, roof knuckle, roof, roof platform, and platform by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 115.00	$ 23,000.00
5.07	Repair roof vent and flange connection, to include metal repair, abrasive grinding, coating, and screen replacement (316 stainless steel mesh)	1	EA	$ 6,110.00	$ 6,110.00
5.08	Repair roof access hatch, to include metal repair, abrasive grinding and coating	1	EA	$ 5,728.00	$ 5,728.00
5.09	Repair side access manway, to include metal repair, abrasive grinding, coating, and new gasket	2	EA	$ 5,728.00	$ 11,456.00
5.10	Exterior and interior weld repair, including preparation, welding, testing, and coating	100	LF	$ 319.00	$ 31,900.00
5.11	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 23,547.00	$ 23,547.00
				Subtotal:	$ 170,109.00

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6.00	Malojloj - 1.0 MG (Diameter = 66', Height = 41')				
6.01	Pressure wash interior tank wall (first 2 shell course) and complete tank floor, including removing and disposal of bottom sediment and debris	1	LS	$ 24,184.00	$ 24,184.00
6.02	Complete pressure wash of tank exterior	1	LS	$ 17,820.00	$ 17,820.00
6.03	Provide man-lift for GWA's API-653 inspector to inspect tank exterior	3	DAYS	$ 1,455.00	$ 4,365.00
6.04	Provide movable scaffolding reaching up to the tank interior roof for GWA's inspector to completely inspect tank interior	1	LS	$ 6,582.00	$ 6,582.00
6.05	Repair corrosion spots on tank interior floor, wall, roof, purlins, piping, and columns by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 128.00	$ 25,600.00
6.06	Repair corrosion spots on tank exterior wall, wind girders, roof knuckle, roof, roof platform, and platform by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 115.00	$ 23,000.00
6.07	Repair roof vent and flange connection, to include metal repair, abrasive grinding, coating, and screen replacement (316 stainless steel mesh)	1	EA	$ 6,110.00	$ 6,110.00
6.08	Repair roof access hatch, to include metal repair, abrasive grinding and coating	1	EA	$ 5,728.00	$ 5,728.00
6.09	Repair side access manway, to include metal repair, abrasive grinding, coating, and new gasket	2	EA	$ 5,728.00	$ 11,456.00
6.10	Exterior and interior weld repair, including preparation, welding, testing, and coating	100	LF	$ 319.00	$ 31,900.00

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6.11	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 26,729.00	$ 26,729.00
				Subtotal:	$ 183,474.00
7.00	Agat-Umatac - 0.2 MG (Diameter = 37', Height = 25')				
7.01	Pressure wash interior tank wall (first 2 shell course) and complete tank floor, including removing and disposal of bottom sediment and debris	1	LS	$ 7,764.00	$ 7,764.00
7.02	Complete pressure wash of tank exterior	1	LS	$ 6,046.00	$ 6,046.00
7.03	Provide man-lift for GWA's API-653 inspector to inspect tank exterior	2	DAYS	$ 2,183.00	$ 4,366.00
7.04	Provide movable scaffolding reaching up to the tank interior roof for GWA's inspector to completely inspect tank interior	1	LS	$ 6,582.00	$ 6,582.00
7.05	Repair corrosion spots on tank interior floor, wall, roof, purlins, piping, and columns by abrasive grinding areas to remove corrosion and recoating	100	SF	$ 128.00	$ 12,800.00
7.06	Repair corrosion spots on tank exterior wall, wind girders, roof knuckle, roof, roof platform, and platform by abrasive grinding areas to remove corrosion and recoating	200	SF	$ 115.00	$ 23,000.00
7.07	Repair roof vent and flange connection, to include metal repair, abrasive grinding, coating, and screen replacement (316 stainless steel mesh)	1	EA	$ 6,110.00	$ 6,110.00

7.08	Repair roof access hatch, to include metal repair, abrasive grinding and coating	1	EA	$ 5,728.00	$ 5,728.00
7.09	Repair side access manway, to include metal repair, abrasive grinding, coating, and new gasket	2	EA	$ 5,473.00	$ 10,946.00
7.10	Exterior and interior weld repair, including preparation, welding, testing, and coating	100	LF	$ 319.00	$ 31,900.00
7.11	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 15,910.00	$ 15,910.00
7.12	Install new fence with barb wire and vehicle gate around tank property	850	LF	$ 54.00	$ 45,900.00
				Subtotal:	$ 177,052.00
8.00	Windward Hills - 1.0 MG (Diameter = 66', Height = 41')				
8.01	Pressure wash interior tank wall (first 2 shell course) and complete tank floor, including removing and disposal of bottom sediment and debris	1	LS	$ 24,184.00	$ 24,184.00
8.02	Complete pressure wash of tank exterior	1	LS	$ 17,820.00	$ 17,820.00
8.03	Provide man-lift for GWA's API-653 inspector to inspect tank exterior	3	DAYS	$ 1,455.00	$ 4,365.00
8.04	Provide movable scaffolding reaching up to the tank interior roof for GWA's inspector to completely inspect tank interior	1	LS	$ 6,582.00	$ 6,582.00

8.05	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 26,729.00	$ 26,729.00
				Subtotal:	$ 79,680.00
9.00	Kaiser - 2.5 MG (Diameter = 103', Height = 41')				
9.01	Pressure wash interior tank wall (first 2 shell course) and complete tank floor, including removing and disposal of bottom sediment and debris	1	LS	$ 45,822.00	$ 45,822.00
9.02	Complete pressure wash of tank exterior	1	LS	$ 30,548.00	$ 30,548.00
9.03	Provide man-lift for GWA's API-653 inspector to inspect tank exterior	3	DAYS	$ 1,455.00	$ 4,365.00
9.04	Provide movable scaffolding reaching up to the tank interior roof for GWA's inspector to completely inspect tank interior	1	LS	$ 6,582.00	$ 6,582.00
9.05	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 42,640.00	$ 42,640.00
				Subtotal:	$ 129,957.00

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TABLE D - BASE BID - ASTUMBO NO. 2 MAJOR REPAIR WORK

TANK BYPASS AND REPAIR BID SCHEDULE

Item No.	Description	Quantity	Unit	Amount
10.00	Astumbo No. 1 Tank Repair - 2.0 MG (Diameter = 90', Height = 41')			
10.01	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 74,398.00
10.02	Install new double bottom tank floor, complete in place	113,200	LB	$ 272,750.00
10.03	Install drip ring to new tank floor chimes	2,250	LB	$ 14,478.00
10.04	Replace tank shell manway nozzle assemblies affected by new floor	2	EA	$ 45,822.00
10.05	Complete exterior coating, including sandblasting, epoxy coating	20,000	SF	$ 229,109.00
10.06	Complete interior coating, including sandblasting and epoxy coating	32,000	SF	$ 330,935.00
10.07	Dehumidification equipment for coating	1	LS	$ 101,826.00
10.08	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 10,046.00
10.09	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 29,530.00
10.10	Install new tank cathodic protection system, including new conduits	1	LS	$ 10,183.00

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10.11	Install new tank hatch cover	2	EA	$	22,579.00
10.12	Install new tank vent and screen	1	EA	$	22,708.00
10.13	Install new guardrail and roof platform	1	LS	$	76,267.00
10.14	Install new interior tank ladder and fall arrest assembly	1	Ls	$	40,902.00
10.15	Install new exterior tank ladder and cage assembly	1	LS	$	57,140.00
10.16	Columns, walls, girder, roof, purlins, piping, and all other necessary steel repair as specified in the Contract documents	200	LB	$	3,628.00
10.17	All other repair and appurtenant work as shown on plans and specifications	1	LS	$	25,457.00
10.18	Provide 30 padlock and key set. Padlock shall be keyed to matched existing GWA locks.	1	LS	$	8,609.00
			Sub Total:	$	1,376,367.00

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TABLE E - ADDITIVE BID NO. 1 - YIGO NO. 3 MAJOR REPAIR WORK

TANK BYPASS AND REPAIR BID SCHEDULE

Item No.	Description	Quantity	Unit	Amount
1.00	Yigo No. 3 Tank Repair - 2.5 MG (Diameter = 103', Height = 41')			
1.01	Furnish all materials, labor, equipment, and appurtenances to pressure wash entire interior after repairs and disinfect the tank per AWWA C652. Disinfection must be monitored by an AWWA Certified Water Distribution Operator.	1	LS	$ 48,471.00
1.02	Complete exterior coating, including sandblasting, epoxy coating	24,000	SF	$ 296,613.00
1.03	Complete interior coating, including sandblasting and epoxy coating	36,000	SF	$ 405,130.00
1.04	Dehumidification equipment for coating	1	LS	$ 115,752.00
1.05	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
1.06	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00
1.07	Install new tank cathodic protection system, including new conduits	1	LS	$ 11,575.00
1.08	Install new tank hatch cover	1	EA	$ 25,667.00
1.09	Install new tank vent and screen	1	EA	$ 25,814.00
1.10	Install new guardrail and roof platform	1	LS	$ 89,274.00

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1.11	Install new interior tank ladder and fall arrest assembly	1	LS	$	45,015.00
1.12	Install new exterior tank ladder and cage assembly	1	LS	$	66,315.00
1.13	Columns, walls, girder, roof, purlins, piping, and all other necessary steel repair as specified in the Contract documents	200	LB	$	651.00
1.14	All other repair and appurtenant work as shown on plans and specifications	1	LS	$	15,192.00
1.15	Install connection from the site inlet to the existing incoming Santa Rosa line	1	LS	$	11,352.00
			Sub Total:	$	1,194,129.00

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TABLE F - ADDITIVE BID NO. 2 - SANTA ANA TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
2.00	Santa Ana Tank - 1.0 MG (Diameter = 66', Height = 41')			
2.01	Install new double bottom tank floor, complete in place	56,650	LB	$ 262,891.00
2.02	Install drip ring to new tank floor chimes	1,600	LB	$ 4,051.00
2.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
2.04	Complete exterior coating, including sandblasting, epoxy coating	14,000	SF	$ 180,862.00
2.05	Complete interior coating, including sandblasting and epoxy coating	19,000	SF	$ 224.269.00
2.06	Dehumidification equipment for coating	1	LS	$ 65,110.00
2.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
2.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

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2.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
2.10	Install new tank hatch cover	1	EA	$	25,667.00
2.11	Install new tank vent and screen	1	EA	$	25,814.00
2.12	Install new guardrail and roof platform	1	LS	$	68,659.00
2.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,462.00
2.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
2.15	Install anchor bolts and chair assemblies	35	EA	$	37,981.00
2.16	Center column and base repair	1	EA	$	15,916.00
			Sub Total:	$	1,098,565.00

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TABLE G - ADDITIVE BID NO. 3 - UMATAC SUBDIVISION TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
3.00	Umatac Subdivision Tank - 0.5 MG (Diameter = 54', Height = 41')			
3.01	Install new double bottom tank floor, complete in place	30,500	LB	$ 158,005.00
3.02	Install drip ring to new tank floor chimes	1,200	LB	$ 3,038.00
3.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
3.04	Complete exterior coating, including sandblasting, epoxy coating	11,000	SF	$ 144,689.00
3.05	Complete interior coating, including sandblasting and epoxy coating	14,000	SF	$ 173,627.00
3.06	Dehumidification equipment for coating	1	LS	$ 57,876.00
3.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
3.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

3.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
3.10	Install new tank hatch cover	1	EA	$	25,667.00
3.11	Install new tank vent and screen	1	EA	$	25,814.00
3.12	Install new guardrail and roof platform	1	LS	$	58,771.00
3.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,461.00
3.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
3.15	Install anchor bolts and chair assemblies	25	EA	$	27,129.00
3.16	Center column and base repair	1	EA	$	15,916.00
			Sub Total:	$	877,876.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

EXHIBIT B

TABLE H - ADDITIVE BID NO. 4 - PIGUA MERIZO TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
4.00	Pigua Merizo Tank - 0.5 MG (Diameter = 54', Height = 41')			
4.01	Install new double bottom tank floor, complete in place	30,500	LB	$ 158,005.00
4.02	Install drip ring to new tank floor chimes	1,200	LB	$ 3,038.00
4.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
4.04	Complete exterior coating, including sandblasting, epoxy coating	11,000	SF	$ 144,689.00
4.05	Complete interior coating, including sandblasting and epoxy coating	14,000	SF	$ 173,627.00
4.06	Dehumidification equipment for coating	1	LS	$ 57,876.00
4.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4.029.00
4.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33.279.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

4.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
4.10	Install new tank hatch cover	1	EA	$	25.667.00
4.11	Install new tank vent and screen	1	EA	$	25,814.00
4.12	Install new guardrail and roof platform	1	LS	$	58,771.00
4.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,462.00
4.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
4.15	Install anchor bolts and chair assemblies	25	EA	$	27.129.00
4.16	Center column and base repair	1	EA	$	15,916.00
			Sub Total:	$	877,877.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

EXHIBIT B

TABLE I - ADDITIVE BID NO. 5 - MALOJLOJ TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
5.00	Malojloj - 1.0 MG (Diameter = 66', Height = 41')			
5.01	Install new double bottom tank floor, complete in place	57,650	LB	$ 262,891.00
5.02	Install drip ring to new tank floor chimes	1,600	LB	$ 4,051.00
5.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
5.04	Complete exterior coating, including sandblasting, epoxy coating	14,000	SF	$ 180,862.00
5.05	Complete interior coating, including sandblasting and epoxy coating	19,000	SF	$ 224,269.00
5.06	Dehumidification equipment for coating	1	LS	$ 65,110.00
5.07	Replace tank exterior fill gauge and interior float system assemble	1	LS	$ 4,029.00
5.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

5.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
5.10	Install new tank hatch cover	1	EA	$	25,667.00
5.11	Install new tank vent and screen	1	EA	$	25,813.00
5.12	Install new guardrail and roof platform	1	LS	$	68,659.00
5.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,461.00
5.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
5.15	Install anchor bolts and chair assemblies	104	EA	$	67,715.00
5.16	Center column and base repair	1	EA	$	15,916.00
			Sub Total:	$	1,128,297.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

TABLE J - ADDITIVE BID NO. 6 - AGAT-UMATAC TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
6.00	Agat-Umatac - 0.2 MG (Diameter = 37', Height = 25')			
6.01	Install new double bottom tank floor, complete in place	18,000	LB	$ 109,715.00
6.02	Install drip ring to new tank floor chimes	500	LB	$ 1,266.00
6.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27.132.00
6.04	Complete exterior coating, including sandblasting, epoxy (0,000,000.00	4,750	SF	$ 72,345.00
6.05	Complete interior coating, including sandblasting and epoxy coating	6,100	SF	$ 83,920.00
6.06	Dehumidification equipment for coating	1	LS	$ 36,172.00
6.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
6.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

6.09	Install new tank cathodic protection system, including new conduits	1	LS	$ 11,575.00
6.10	Install new tank hatch cover	1	EA	$ 25,667.00
6.11	Install new tank vent and screen	1	EA	$ 25,814.00
6.12	Install new guardrail and roof platform	1	LS	$ 46,052.00
6.13	Install new interior tank ladder and fall arrest assembly	1	LS	$ 29,751.00
6.14	Install new exterior tank ladder and cage assembly	1	LS	$ 40,438.00
6.15	Install anchor bolts and chair assemblies	20	EA	$ 21,703.00
6.16	Center column and base repair	1	EA	$ 15.916.00
			Sub Total:	$ 584,774.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

EXHIBIT B

TABLE K - ADDITIVE BID NO. 7 - WINDWARD HILLS TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
7.00	Windward Hills - 1.0 MG (Diameter = 66', Height = 41')			
7.01	Install new double bottom tank floor, complete in place	57,650	LB	$ 262,891.00
7.02	Install drip ring to new tank floor chimes	1,600	LB	$ 4.051.00
7.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
7.04	Complete exterior coating, including sandblasting, epoxy coating	14,000	SF	$ 180,862.00
7.05	Complete interior coating, including sandblasting and epoxy coating	19,000	SF	$ 224,269.00
7.06	Dehumidification equipment for coating	1	LS	$ 65,110.00
7.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
7.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

7.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
7.10	Install new tank hatch cover	1	EA	$	25,667.00
7.11	Install new tank vent and screen	1	EA	$	25,814.00
7.12	Install new guardrail and roof platform	1	LS	$	68,659.00
7.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,461.00
7.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
7.15	Install anchor bolts and chair assemblies	35	EA	$	37,981.00
7.16	Center column and base repair	1	LS	$	15,916.00
			Sub Total:	$	1,098,564.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

EXHIBIT B

TABLE L - ADDITIVE BID NO. 8 - KAISER TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
8.00	Kaiser - 2.5 MG (Diameter = 103', Height = 41')			
8.01	Install new double bottom tank floor, complete in place	129,600	LB	$ 540,849.00
8.02	Install drip ring to new tank floor chimes	2,600	LB	$ 6,583.00
8.03	Replace tank shell manway nozzle assemblies affected by new floor	2	EA	$ 54,264.00
8.04	Complete exterior coating, including sandblasting, epoxy coating	24,000	SF	$ 296,613.00
8.05	Complete interior coating, including sandblasting and epoxy coating	36,000	SF	$ 405,130.00
8.06	Dehumidification equipment for coating	1	LS	$ 115,752.00
8.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
8.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

8.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
8.10	Install new tank hatch cover	1	EA	$	25,667.00
8.11	Install new tank vent and screen	1	EA	$	25,814.00
8.12	Install new guardrail and roof platform	1	LS	$	95,316.00
8.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,462.00
8.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
8.15	Center column and base repair	6	EA	$	15,916.00
			Sub Total:	$	1,742,117.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

EXHIBIT B

TABLE M - TOTAL BASE BID

TANK BYPASS AND REPAIR BID SCHEDULE

Item No.	Description		Amount
1.00	General Work	Subtotal	$ 774,476.00
2.00	Tank Bypass Work	Subtotal	$ 963,499.00
3.00	Santa Ana Tank - 1.0 MG (Diameter = 66', Height = 41')	Subtotal	$ 183,474.00
4.00	Umatac Subdivision Tank - 0.5 MG (Diameter = 54', Height =	Subtotal	$ 170,109.00
5.00	Pigua Merizo Tank - 0.5 MG (Diameter = 54', Height = 41')	Subtotal	$ 170,109.00
6.00	Malojloj - 1.0 MG (Diameter = 66', Height = 41')	Subtotal	$ 183,474.00
7.00	Agat-Umatac - 0.2 MG (Diameter = 37', Height = 25')	Subtotal	$ 177,052.00
8.00	Windward Hills - 1.0 MG (Diameter = 66', Height = 41')	Subtotal	$ 79,680.00
9.00	Kaiser - 2.5 MG (Diameter = 103', Height = 41')	Subtotal	$ 129,957.00
10.00	Astumbo No. 1 Tank Repair - 2.0 MG (Diameter = 90', Height	Subtotal	$ 1,376,367.00
		Total Base Bid	$ 4,208,197.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

EXHIBIT B

TABLE N - TOTAL ADDITIVE BID

MAJOR REPAIR BID SCHEDULE

Item No.	Description		Amount
1.00	Yigo No. 3 Tank Repair - 2.5 MG (Diameter = 103', Height = 41')	Subtotal	$ 1,194,129.00
2.00	Santa Ana Tank - 1.0 MG (Diameter = 66', Height = 41')	Subtotal	$ 1,098,565.00
3.00	Umatac Subdivision Tank - 0.5 MG (Diameter = 54', Height = 41')	Subtotal	$ 877,876.00
4.00	Pigua Merizo Tank - 0.5 MG (Diameter = 54', Height = 41')	Subtotal	$ 877,877.00
5.00	Malojloj - 1.0 MG (Diameter = 66', Height = 41')	Subtotal	$ 1,128,297.00
6.00	Agat-Umatac - 0.2 MG (Diameter = 37', Height = 25')	Subtotal	$ 584,774.00
7.00	Windward Hills - 1.0 MG (Diameter = 66', Height = 41')	Subtotal	$ 1,098,564.00
8.00	Kaiser - 2.5 MG (Diameter = 103', Height = 41')	Subtotal	$ 1,742,117.00
		Total Additive Bid	$ 8,602,199.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

EXHIBIT B

Base Bid Price Total of All Items

In words: FOUR MILLION TWO HUNDRED EIGHT THOUSAND ONE HUNDRED NINETY SEVEN DOLLARS ONLY

Additive Price Total of All Items

In words: EIGHT MILLION SIX HUNDRED TWO THOUSAND ONE HUNDRED NINETY NINE DOLLARS ONLY

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

EXHIBIT B

If the Total Base Bid is within the amount of funds available, then the award will be made to the responsive and responsible bidder submitting the lowest Bid Price Total of All Base Bid Items. In the event the lowest responsive and responsible Bid exceeds the available budget, GWA may reject individual Base Bid Items 1-10 until the revised Total Base Bid Amount fits within the available budget. If additional funding is obtained after the contract is executed, any or all deleted Bid items may be restored via Change Order.

A) Where lump sum prices are in the bidding schedule, they shall include all labor, materials and equipment necessary to produce a complete and finished job.

B) When no specific item is listed in the bidding schedule for work required, the cost of such work shall be included in the price bid for the item which most appropriately covers the work.

ARTICLE 6 – TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:

A. Required Bid security;

B. List of Proposed Subcontractors;

C. List of Proposed Suppliers;

D. List of Project References;

E. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;

F. Contractor's License No.: 1572

G. Required Bidder Qualification Statement with supporting data; and

H. Certificates, Affidavits and Forms listed in Section 00 90 00 as required by Laws and Regulations.

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

EXHIBIT B

AIC International, Inc.

By:
[Signature]

[Printed name] Anthony Stewart
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:
[Signature]

[Printed name] Emmanuel Clariza

Title: Accountant

Submittal Date: 11/21/2019

Address for giving notices:

P.O. Box DR

Hagatna, Guam 96932

Telephone Number: (671) 565-9142

Fax Number: (671) 565-9145

Contact Name and e-mail address: Henry Stewart

henry@aicconstruction.com

Bidder's License No.: 1572
(where applicable)

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

GWA RESOLUTION NO. 10–FY2021

RELATIVE TO APPROVAL OF THE ADDITIONAL FUNDING TO THE CONSTRUCTION CONTRACT FOR THE TANK REPAIR AND BYPASS PROJECT

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 currently has critical Court Order ("CO") Projects that includes the Santa Ana, Agat-Umatac, Umatac Subdivision, Pigua Merizo, Malojloj, Windwards Hills, Kaiser, Yigo, and Astumbo No. 2 Tanks, as stated in Paragraph 29.b of the Order for Preliminary Relief Re: Deadlines for Outstanding Projects Under the Amended Stipulated Order; and

WHEREAS, Resolution No. 10-FY2020 (See Exhibit A) authorized GWA management to enter into contract with AIC, International in the amount of Five Million Four Hundred Two Thousand Three Hundred Twenty-Six Dollars ($5,402,326.00) for base bid and select additive bid items, along with a 10% contingency of Five Hundred Forty Thousand Two Hundred Thirty-Three Dollars ($540,233.00), bringing the total authorized funding amount to Five Million Nine Hundred Forty-Two Thousand Five Hundred Fifty-Nine Dollars ($5,942,559.00); and

WHEREAS, GWA has issued Change Order No. 1 for Yigo No. 3 Major Repairs and is in the process of issuing Change Order No. 2 for the Agat-Umatac Major Repair; and

WHEREAS, GWA is in the process of inspecting Windward Hills tank and installing the bypass for Malojloj tank to allow inspections; and

WHEREAS, Tank Repair and Bypass, IFB-06-EN-2019, included Additive Bid Major Repair Items No. 5 and No. 7 for the Malojloj and Windward Hills tanks, respectively (See Exhibit B); and

WHEREAS, GWA Management is seeking additional funding to award additional additive bid items for the major repair of the Windward Hills and Malojloj tanks in the amount of Two Million Two Hundred Twenty-Six Thousand Eight Hundred Sixty-Two Dollars ($2,226,862.00) along with a 15% contingency of Three Hundred Thirty-Four Thousand Twenty-Nine Dollars ($334,029.00), bringing the total additional funding amount to Two Million Five Hundred Sixty Thousand Eight Hundred Ninety-One Dollars ($2,560,891.00).; and

WHEREAS, the funding sourced for the construction project will be from bond funds as detailed in the following CIP line items:

- CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
- CIP PW 09-11: Water System Reservoirs 2005 Improvements

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU hereby authorizes Two Million Five Hundred Sixty Thousand Eight Hundred Ninety-One Dollars ($2,560,891.00) to fund the Windward Hills and Malojloj Tank Major Repairs to bring the total project authorization to Eight Million Five Hundred Three Four Hundred Fifty Dollars ($8,503,450.00).
3. The CCU hereby approves the use of funding sources from the following CIP line items:
    a. CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
    b. CIP PW 09-11: Water System Reservoirs 2005 Improvements

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

DULY AND REGULARLY ADOPTED, this 23rd day of February 2021.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

SECRETARY'S CERTIFICATE

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

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

AYES: 5

NAYS: ø

ABSENT: ø

ABSTAIN: ø

///

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Exhibit A (pg. 1 of 5)

GUAM CCU
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. 10-FY2020

RELATIVE TO APPROVAL OF THE CONSTRUCTION CONTRACT FOR THE TANK REPAIR AND BYPASS PROJECT

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 currently has critical Court Order ("CO") Projects that include the Santa Ana, Agat-Umatac, Umatac Subdivision, Pigua Merizo, Malojloj, Windwards Hills, Kaiser, Yigo and Astumbo No. 2 Tanks, as stated in Paragraph 29.b of the Order for Preliminary Relief Re: Deadlines for Outstanding Projects Under the Amended Stipulated Order; and

WHEREAS, GWA has advertised an Invitation for Bid (IFB-06-ENG-2019) soliciting bid proposals from experienced, responsible, and responsive bidders to construct tank bypass systems to allow for inspection and repair of the tanks; and

WHEREAS, under the Base Bid Work, the Santa Ana, Agat-Umatac, Umatac Subdivsion, Pigua Merizo, Malojloj, Windward Hills, and Kaiser tank shall undergo inspection and minor repair work;

WHEREAS, should the tank inspections warrant the above tanks to undergo major repair as detailed in the Additive Bid Work, a change order shall be negotiated with the Contractor;

//

WHEREAS, under Base Bid Work, the Astumbo No. 2 tank shall undergo major repair which includes complete exterior and interior tank painting, new tank floor, weld repairs, cathodic protection, and miscellaneous repairs;

WHEREAS, under Additive Bid No. 1, the Yigo No. 3 tank shall undergo major repair which includes complete exterior and interior tank painting, weld repairs, cathodic protection, and miscellaneous repairs;

WHEREAS, IFB packages were picked up by 8 interested bidders, from which GWA received bid proposals from 2 of the 8 parties before the IFB submittal deadline (See Exhibit A – Abstracts of Bid); and

WHEREAS, GWA engineering team analyzed all bid proposals received on November 21, 2019 and determined AIC International, Inc. as being the lowest responsive and responsible bidder and met all the bid requirements set forth by GWA; and

WHEREAS, GWA management finds that AIC International, Inc.'s Base Bid proposal of Four Million Two Hundred Eight Thousand One Hundred Ninety-Seven Dollars ($4,208,197.00) to be acceptable (See Exhibit B – Bid Form).

WHEREAS, GWA Management will assess any additional funding availability from the latest Capital Improvements Plan to ascertain if any or all the Additive bid items as part of this IFB can be awarded later through a change order or via a subsequent CCU approval as a means of maximizing system improvements efficiently; and

WHEREAS, GWA Management is seeking approval to enter in contract for the Base Bid work with AIC International, Inc. (IFB-06-ENG-2019) in the amount of Four Million Two Hundred Eight Thousand One Hundred Ninety-Seven Dollars ($4,208,197.00), along with a ten percent (10%) contingency of Four Hundred Twenty Thousand Eight Hundred Twenty Dollars ($420,820.00), bringing the total Base Bid requested funding amount to Four Million Six Hundred Twenty Nine Thousand Seventeen Dollars ($4,629,017.00); and

//

WHEREAS, GWA Management is seeking approval to include in such contract Additive Bid No. 1 – Yigo No. 3 Major Repair Work in the amount of One Million One Hundred Ninety-Four Thousand One Hundred Twenty-Nine Dollars ($1,194,129.00) after entering into contract with AIC International, Inc., along with a ten percent (10%) contingency of One Hundred Nineteen Thousand Four Hundred Thirteen Dollars ($119,413.00), bringing the total additive bid item funding amount to One Million Three Hundred Thirteen Thousand Five Hundred Forty-Two Dollars ($1,313,542.00).

WHEREAS, the funding source for the construction project will be from bond funds as detailed in the following CIP line items:

- CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
- CIP PW 09-11: Water System Reservoirs 2005 Improvements

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the bid proposal submitted by AIC International, Inc. are fair and reasonable.
3. The CCU hereby authorizes the management of GWA to accept bid from AIC International, Inc. attached hereto as Exhibit B, and which is also incorporated into this Resolution in its entirety.
4. The CCU hereby authorizes the management of GWA to enter into a contract with AIC International, Inc. in the amount of Four Million Two Hundred Eight Thousand One Hundred Ninety-Seven Dollars ($4,208,197.00) for base bid work plus the amount of One Million One Hundred Ninety-Four Thousand One Hundred Twenty-Nine Dollars ($1,194,129.00) for additive bid item work.
5. The CCU hereby approves the funding total of Five Million Four Hundred Two Thousand Three Hundred Twenty Six Dollars ($5,402,326.00), along with a ten percent (10%) contingency of Five Hundred Forty Thousand Two

Hundred Thirty Three Dollars ($540,233.00), bringing the total authorized funding amount to Five Million Nine Hundred Forty Two Thousand Five Hundred Fifty Nine Dollars ($5,942,559.00).

6. The CCU hereby approves the use of funding sources from the following CIP line items:
    a. CIP PW 09-09: Water Reservoir Internal/External Corrosion Assessment Program
    b. CIP PW 09-11: Water System Reservoirs 2005 Improvements

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

DULY and REGULARLY ADOPTED, this 28th day of January 2020.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

SECRETARY'S CERTIFICATE

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

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

AYES: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0

ORIGINAL

GUAM WATERWORKS AUTHORITY
ABSTRACT OF BIDS

Project Name: **TANK REPAIR AND BYPASS**
Project Number: W19-003-BND IFB No.: IFB-06-ENG-2019

Bid Opening Date: November. 21, 2019
Time: 3:00 PM

	Bidders Name	Section A-5 Bid Bond	CERTIFICATIONS								Addendum			BID AMOUNT		
			Qualification Statement	Non Collusion Affidavit	EEO Certification	Non Segregated Facilities	Sex Offender Certification	Wage and Benefit Determination	Major Shareholder Affidavit	Special Instructions to Bidders	1	2	3	BASE BID	ADDITIVE BID NO. 1	BASE + ADDITIVE
1.	MURPHY ENTERPRISES	—														
2.	VG GOZUM CONSTRUCTION	—														
3.	IAN CORPORATION	—														
4.	AYM INTERNATIONAL INC.	—														
5.	SUMITOMO-MITSUI CONSTRUCTION CO.	Federal Insurance Company 15% of bid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	$7,079,883	$7,797,117	$14,877,000
6.	GENERAL + PLUMBING	—														
7.	AIC INTERNATIONAL INC.	Fidelity and deposit company of maryland, 15% of bid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	$4,208,215	$8,602,200	$12,810,415
8.	FRONTIER SUPPLY	—														
	GWA Estimate													$4,039,625.01	$10,139,655.50	$14,179,280.51

Bids Opened and Read by:
GLORIA P. BENSAN
(Name and Signature)

Tabulated By:
Ryan Diaz
(Name and Signature)

GWA Procurement Representative:
ROLAND F. LUMONGSOD
(Name and Signature)

Witnesses:

TABLE I - ADDITIVE BID NO. 5 - MALOJLOJ TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
5.00	Malojloj - 1.0 MG (Diameter = 66', Height = 41')			
5.01	Install new double bottom tank floor, complete in place	57,650	LB	$ 262,891.00
5.02	Install drip ring to new tank floor chimes	1,600	LB	$ 4,051.00
5.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
5.04	Complete exterior coating, including sandblasting, epoxy coating	14,000	SF	$ 180,862.00
5.05	Complete interior coating, including sandblasting and epoxy coating	19,000	SF	$ 224,269.00
5.06	Dehumidification equipment for coating	1	LS	$ 65,110.00
5.07	Replace tank exterior fill gauge and interior float system assemble	1	LS	$ 4,029.00
5.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

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5.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
5.10	Install new tank hatch cover	1	EA	$	25,667.00
5.11	Install new tank vent and screen	1	EA	$	25,813.00
5.12	Install new guardrail and roof platform	1	LS	$	68,659.00
5.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,461.00
5.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
5.15	Install anchor bolts and chair assemblies	104	EA	$	67,715.00
5.16	Center column and base repair	1	EA	$	15,916.00
			Sub Total:	$	1,128,297.00

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TABLE K - ADDITIVE BID NO. 7 - WINDWARD HILLS TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
7.00	Windward Hills - 1.0 MG (Diameter = 66', Height = 41')			
7.01	Install new double bottom tank floor, complete in place	57,650	LB	$ 262,891.00
7.02	Install drip ring to new tank floor chimes	1,600	LB	$ 4.051.00
7.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
7.04	Complete exterior coating, including sandblasting, epoxy coating	14,000	SF	$ 180,862.00
7.05	Complete interior coating, including sandblasting and epoxy coating	19,000	SF	$ 224,269.00
7.06	Dehumidification equipment for coating	1	LS	$ 65,110.00
7.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
7.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

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7.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
7.10	Install new tank hatch cover	1	EA	$	25,667.00
7.11	Install new tank vent and screen	1	EA	$	25,814.00
7.12	Install new guardrail and roof platform	1	LS	$	68,659.00
7.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,461.00
7.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
7.15	Install anchor bolts and chair assemblies	35	EA	$	37,981.00
7.16	Center column and base repair	1	LS	$	15,916.00
			Sub Total:	$	1,098,564.00

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TABLE F - ADDITIVE BID NO. 2 - SANTA ANA TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
2.00	Santa Ana Tank - 1.0 MG (Diameter = 66', Height = 41')			
2.01	Install new double bottom tank floor, complete in place	56,650	LB	$ 262,891.00
2.02	Install drip ring to new tank floor chimes	1,600	LB	$ 4,051.00
2.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
2.04	Complete exterior coating, including sandblasting, epoxy coating	14,000	SF	$ 180,862.00
2.05	Complete interior coating, including sandblasting and epoxy coating	19,000	SF	$ 224.269.00
2.06	Dehumidification equipment for coating	1	LS	$ 65,110.00
2.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
2.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

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2.09	Install new tank cathodic protection system, including new conduits	1	LS	$	11,575.00
2.10	Install new tank hatch cover	1	EA	$	25,667.00
2.11	Install new tank vent and screen	1	EA	$	25,814.00
2.12	Install new guardrail and roof platform	1	LS	$	68,659.00
2.13	Install new interior tank ladder and fall arrest assembly	1	LS	$	46,462.00
2.14	Install new exterior tank ladder and cage assembly	1	LS	$	64,868.00
2.15	Install anchor bolts and chair assemblies	35	EA	$	37,981.00
2.16	Center column and base repair	1	EA	$	15,916.00
			Sub Total:	$	1,098,564.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

TABLE G - ADDITIVE BID NO. 3 - UMATAC SUBDIVISION TANK MAJOR REPAIR

TANK BYPASS AND REPAIR BID SCHEDULE

Major repair work shall be determined after GWA's Inspector has performed a full API-653 inspection. After the API-653 inspection has been completed, GWA shall determine which Additive Bid Items should be included in the Contract through a Change Order. If GWA determines that the tank requires major repair, GWA shall have the right to issue a deductive Change Order for the minor repair work items listed in Table C.

Item No.	Description	Quantity	Unit	Amount
3.00	Umatac Subdivision Tank - 0.5 MG (Diameter = 54', Height = 41')			
3.01	Install new double bottom tank floor, complete in place	30,500	LB	$ 158,005.00
3.02	Install drip ring to new tank floor chimes	1,200	LB	$ 3,038.00
3.03	Replace tank shell manway nozzle assemblies affected by new floor	1	EA	$ 27,132.00
3.04	Complete exterior coating, including sandblasting, epoxy coating	11,000	SF	$ 144,689.00
3.05	Complete interior coating, including sandblasting and epoxy coating	14,000	SF	$ 173,627.00
3.06	Dehumidification equipment for coating	1	LS	$ 57,876.00
3.07	Replace tank exterior fill gauge and interior float system assembly	1	LS	$ 4,029.00
3.08	Remove existing grounding cables and install new grounding cables, including testing	1	LS	$ 33,279.00

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3.09	Install new tank cathodic protection system, including new conduits	1	LS	$ 11,575.00
3.10	Install new tank hatch cover	1	EA	$ 25,667.00
3.11	Install new tank vent and screen	1	EA	$ 25,814.00
3.12	Install new guardrail and roof platform	1	LS	$ 58,771.00
3.13	Install new interior tank ladder and fall arrest assembly	1	LS	$ 46,461.00
3.14	Install new exterior tank ladder and cage assembly	1	LS	$ 64,868.00
3.15	Install anchor bolts and chair assemblies	25	EA	$ 27,129.00
3.16	Center column and base repair	1	EA	$ 15,916.00
			Sub Total:	$ 877,877.00

GWA Work Session - February 15, 2022 - ISSUES FOR DECISION

PROPOSAL/ESTIMATE FOR CONTRACT MODIFICATION **DATE:** 6-Dec-21

PROJCT NO: W19-003-BND

CONTRACT TITLE: GWA Guam Tank repairs and Bypass

DESCRIPTION: Contract Change Request CCR#XXX Astumbo Tank Shell Plate Replacement, including Overflow and Wind Girder

Notes and exclusions:
1. Proposal is based on API report to replace wall plates, overflow and wind girder for Astumbo Tank.
2. This proposal does not include inflation cost on materials, labor, equipment and subcontractor for the years 2022 and 2023.

	PRIME CONTRACTOR'S WORK				Revisions/Comments
1	Direct Materials		0.00		
2	Sales Tax on Materials	% of line 1	0%	0.00	
3	Direct Labor		52,460.00		
4	Insurance, Taxes, & Fringe Benefits	20% of line 3	20%	10,492.00	
5	Rental Equipment		0.00		
6	Sales Tax on Rental Equipment	% of line 5	0%	0.00	
7	Equipment Ownership		11,800.00		
8	SUBTOTAL	Add lines 1-7		74,752.00	
9	Field Overhead	% of line 8	0%	0.00	See direct cost pg. 2
10	SUBTOTAL	Add lines 8 & 9		74,752.00	

	SUB-CONTRACTOR'S WORK				Revisions/Comments
11	Direct Materials		0.00		
12	Sales Tax on Materials	% of line 11	0%	0.00	
13	Direct Labor		599,500.00		
14	Insurance, Taxes, & Fringe Benefits	% of line 13	0%	0.00	
15	Rental Equipment			included	
16	Sales Tax on Rental Equipment	% of line 15	0%	0.00	
17	Equipment Ownership			0.00	
18	SUBTOTAL	add lines 11-17		599,500.00	
19	Field Overhead	0% of line 18	0%		
20	SUBTOTAL	add lines 18 & 19		599,500.00	
21	Home Office Overhead	0% of line 20	0%	0.00	
22	Profit	0% of line 20	0%	0.00	
23	SUBTOTAL	Add lines 20 - 22		599,500.00	
	Sub Remarks:				
24	Prime Contractor's Work	from line 10		74,752.00	
25	Sub-contractor's Work	from line 23		599,500.00	
26	SUBTOTAL	add lines 24 & 25		674,252.00	
27	Prime Overhead & Fees on sub-contractor	5% of line 25	5.0%	29,975.00	
28	Prime's Home Office Overhead & Fees	15% of line 24	15.0%	11,212.80	
29	SUBTOTAL	add lines 26 - 28		715,439.80	
30	Prime Contractor's Bond Premium	1.00% of line 29	1.00%	7,154.40	Includes insurance
31	SUBTOTAL	add lines 29 & 30		722,594.20	
32	State contractor's tax	5.25% of line 31	5.25%	37,936.20	**ROUNDED**
33	TOTAL COST	add lines 31 & 32		$ 760,530	

Estimate time extension and justification:

Requesting for additional 183 calendar days in addition to of the full work duration for Astumbo no. 2 tank. Note that the Owner(GWA) and the CM (DCA) has advised AIC to hold on the activity for Astumbo No.2 tank pending structural assestment of tank shell plates with delaminating coatings and fully rusted.

Prime Contractor Name: AIC International, Inc.

President for Anthony Stewart - Vice President — 6 Dec 2021

Signature & Title of preparer — Date

GWA Representative: Approved By:

Signature & Title of Approving Authority — Date:

All Contract Modification Proposals shall be addressed to the Resident Officer in Charge of Construction. Proposals must clearly state the conditions and scope of the modification and shall be accompanies by a breakdown of cost, as indicated. Lump sum costs will not be accepted in either the prime or sub-contractor's breakdown of cost. The total cost for labor, material, and equipment rental (or ownership) for each item shall be transferred to the corresponding item on the front of this form. At the contractor's option, the overhead rates printed on the front of this form may be used for proposals under $500,000 in lieu of detailed itemized estimates of overhead costs. The proposal should also include a request for an extension of time, in calendar days, only if overall completion of contract is impacted by the proposed modification. The contractor shall not proceed with any of the work included in the modification prior to receipt of an executed modifications of contract (SF30).

Contract No. Contract Change Request CCR#XXX Astumbo Tank Shell Plate Replacement, including Overflow and Wind Girder

Date: 7-Dec-21

ITEMS OF WORK FOR PRIME CONTRACTOR	QTY	UNIT	MATERIAL		LABOR		R	EQUIPMENT		
			Unit Cost	Total Cost	Unit Cost	Total Cost	O	Hour/Day	Rate	Total
1.0 Project Management & General Requirements										
1.1 Project Manager	60	mh			50.00	3,000.00				
1.2 Project Engineer	120	mh			38.00	4,560.00				
1.3 QC Manager/Site Superintendent (Partial Work Only)	4	mo			5,000.00	20,000.00				
1.4 SSHO (Partial Work Only)	4	mo			6,000.00	24,000.00				
1.5 LBP Hazardous Training	6	pax			150.00	900.00				
1.6 Staging Area (Bulletin Board, Break area, Eyewash)	6	mo						6	250.00	1,500.00
1.7 Portable Toilet	6	mo						6	150.00	900.00
1.8 Service Truck	6	mo						6	1,000.00	6,000.00
1.9 Communications	6	mo						6	150.00	900.00
1.10 Confined Space Equipments, Air Monitor, Gas Refill, Trainings	1	lot						1	2,500.00	2,500.00
Sub Totals						52,460.00				
DIRECT Prime Contractor's COST						64,260.00	R	**Total (Rental)**		0.00
							O	**Total (Owned)**		11,800.00

ITEMS OF WORK FOR SUBCONTRACTOR/VENDOR SUPPLIER	QTY	UNIT	MATERIAL		LABOR		R	EQUIPMENT		
			Unit Cost	Total Cost	Unit Cost	Total Cost	O		Rate	Total
3.0 Astumbo Steel Plate Replacements										
1. RDE (Subcon) - Replacement of Steel Plates, Overflow, Partial Wind Girder	1	lot			599,500.00	599,500.00			included	
Sub Totals						599,500.00				
DIRECT Subcontractor's COST						599,500.00	R	**Total (Rental)**		
							O	**Total (Owned)**		0.00

RDE General Construction
Po Box 12493 Tamuning Guam 96931
Email: RDE.gencost@gmail.com
Tel: (671) 727-2111 : Telefax: (671) 989-2121

Date : **November 23, 2021**

ATTN : **Robert Magno**
Senior Engineering Manager
AIC International Inc.

Project Name : **Price Proposal for Additive Works at GWA Astumbo Tank Repair**

Dear Sir;

We are pleased to submit our price for the supply labor, equipment and materials along with the supervision necessary to complete the above mentioned project based on the report recommendations forwarded to us.

Scope of Works.

1.) Remove and Replace of Tank Shell Plate actual total areas 1400SF	= $ 560,000.00
2.) Remove and replace of tank overflow piping	14,500.00
3.) Remove and replace of the Wind Girder total areas 25LF	= $ 25,000.00
Total Cost Amount	**$ 599,500.00**

Notes:

1.) NDE Test –VT /PAUT included
2.) PE Stamp for Tank Shell Replacement icluded

Terms of Payments:

20% Down Payment
80 % Progress Billing
10 % Retention

Many thanks for giving us the opportunity to quote on the above requirements. Should any question arise please do not hesitate to let us know.

Very truly yours,

Rosanna G. Ecalnir
General Manager

ACCEPTED & APPROVED BY :_____

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 12-FY2022
Relative to Approval of Amendment No. 5 of Task Order No. 4 (SSES Phase II Sewer Rehabilitation) for the Indefinite Delivery/Indefinite Quantity (IDIQ) Professional Project/Construction Management Services Contract.

What is the project's objective and is it necessary and urgent?
GWA currently has an IDIQ contract task order with Brown and Caldwell (BC) for work on the SSES Phase II project, which includes the construction of a new sewer lift station. Due to Guam SHPO's concerns with construction within the project area, additional coordination with SHPO and archaeological monitoring was required. The requested amendment to this task order is necessary and urgent to complete the remaining work needed to bring the new sewer lift station into operation, mitigate disruption to sewer service to residents in the area, and avoid further delay to the completion of the SSES Phase II project.

Where is the location?
Task Order No. 4 construction is located at Lemai Drive, Santa Rita in the Hyundai Subdivision.

How much will it cost?
The total cost for Amendment No. 5 to Task Order No. 4 is $18,018. A $3,000 credit for unused funds in the contract is available and will be applied toward the cost of Amendment No.5 bringing the requested amount to $15,018.

GWA management also seeks to increase the total amount of the IDIQ contract by an additional $50,000 to address future change orders that may arise during the remainder of the IDIQ contract. Therefore, the total cost of Amendment No. 5 to the IDIQ Contract is $65,018.00.

The current authorized IDIQ contract amount is $2,548,232.00. Task Orders issued to date include:

- Task Order No.1 – Consulting Engineer's Report
- Task Order No.2 – Project/Contract Management for Rt.4 Sewer Rehabilitation
- Task Order No.3 – Project/Contract Management for Rt.1 Sewer Rehabilitation
- Task Order No.4 – Project/Construction Management for SSES phase 2 Hyundai Subdivision Lift Station
    - Change Order No.1 - Extension of performance time and associated increase in total fee due to construction delays; plus adding archaeological services to the scope of work.
    - Change Order No. 2 – Extension of performance time (no-cost change order).
    - Change Order No. 3 – Extension of performance time (no-cost change order).
    - Change Order No. 4 – Extension of performance time and associated increase in total fee due to construction delays.

- Task Order No.5 - Cost of Service Study (PUC Stipulation)
- Task Order No.6 – Water Meter Technical Assistance
- Task Order No.7 – Consent Decree and Hydraulic Modeling Assistance
- Task Order No. 8 – Water Resources Master Plan Interim Update

An additional $65,018.00 will be added to the IDIQ Contract to cover Task Order No. 4 Amendment No. 5, which will increase the IDIQ Contract amount to $2,613,250.00.

When will it be completed?
Task Order No. 4 is anticipated to be completed by September 30, 2022.

What is the funding source?
The funding source for Task Order 4 Amendment 5 will be from the EPA SRF Grant Funds. Remaining funds under the maximum approved IDIQ contract amount will be funded accordingly by Task Order.

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. 12-FY2022

RELATIVE TO APPROVAL OF AMENDMENT FOR THE INDEFINITE DELIVERY/INDEFINITE QUANTITY PROFESSIONAL PROJECT/CONSTRUCTION MANAGEMENT SERVICES CONTRACT

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

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

WHEREAS, GWA awarded an Indefinite Delivery – Indefinite Quantity (ID-IQ) contract to Brown and Caldwell for Project Management /Construction Management services in the maximum amount of Seven Hundred Fifty Thousand Dollars ($750,000.00); and

WHEREAS, GWA amended the Brown and Caldwell IDIQ for Project Management/Construction Management services under Resolutions 21-FY2020, 28-FY2020, 36-FY2020, 22-FY2021, and 29-FY2021 to increase the maximum amount to Two Million Five Hundred Forty-Eight Thousand Two Hundred Thirty-Two Dollars ($2,548,232.00) to execute eight (8) Task Orders; and

WHEREAS, United States Environmental Protection Agency (USPEA) grant funds cover the cost of Task Order 4 and its subsequent amendments issued to Brown and Caldwell under this IDIQ to manage and complete the USEPA grant-funded Southern SSES Rehabilitation Phase 2 Construction Project; and

WHEREAS, due to the Guam SHPO's requirement for archaeological monitoring, Amendment 5 to Task Order 4 (See Exhibit A) to the IDIQ contract is needed to increase funding for the completed archaeological field work and any additional field work performed by the archaeological subcontractor under Task Order No. 4 of this IDIQ; and

WHEREAS, Task Order 4 Amendment 5 (See Exhibit A) also increases contract time to continue managing and providing services to complete the construction project; and

WHEREAS, GWA has received approval from USEPA to use USEPA grant funds to cover the cost of Task Order 4 Amendment 5 (See Exhibit A); and

WHEREAS, management seeks CCU approval of Amendment to Owner-Engineer Agreement No. 5 (See Exhibit B) to the IDIQ contract to execute the proposed amendment; and

WHEREAS, the total amount of the Task Order 4 Amendment 5 equals Eighteen Thousand Eighteen Dollars ($18,018.00) (See Exhibit A); and

WHEREAS, the current amount of all Task Orders and subsequent change orders under the IDIQ contract is Two Million Five Hundred Forty-Five Thousand Two Hundred Thirty-Two Dollars ($2,545,232), which is less than the current CCU approved amount of Two Million Five Hundred Forty-Eight Thousand Two Hundred Thirty-Two Dollars ($2,548,232.00); and

WHEREAS, Amendment #5 to the IDIQ is necessary to increase the maximum contract amount by Fifteen Thousand Eighteen Dollars ($15,018.00) to enable execution of the Task Order 4 Amendment 5; and

WHEREAS, management further seeks the CCU's authorization to allow GWA to increase the total amount of the IDIQ Contract by an additional Fifty Thousand Dollars ($50,000.00) in unallocated funds to address future change orders that may arise during the remainder of the IDIQ contract, for a total increase of Sixty-Five Thousand Eighteen Dollars ($65,018.00); and

WHEREAS, the maximum approved amount for the IDIQ contract will be Two Million Six Hundred Thirteen Thousand Two Hundred Fifty Dollars ($2,613,250.00) to address Task Order 4 Amendment 5 and any additional change orders that may arise during the remainder of the IDIQ contract

WHEREAS, funding for Task Order 4 Amendment 5 will be from the EPA Title 2 Construction Grants Program grant funds applicable to the project and, if necessary, the remaining funds under the maximum approved amount will be funded accordingly, including Grant, Bond, or IFCIP funds, by Task Order.

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the solicitation of a water meter supply contract is essential to the continued operation of the utility for existing and future customers.
3. The CCU hereby approves the funding increase for Task Order 4 Amendment 5 for additional project and contract support services in the amount of Eighteen Thousand Eighteen Dollars ($18,018.00) (Exhibit A).
4. The CCU hereby approves increasing the total funding authorization for the IDIQ contract with Brown and Caldwell by Fifteen Thousand Eighteen Dollars ($15,018.00) (Exhibit B) for the execution of Task order 4 Amendment 5 and Fifty Thousand Dollars ($50,000.00) for additional change orders under the IDIQ contract, for a total increase of Sixty-Five Thousand Eighteen Dollars ($65,018.00).
5. The CCU hereby further approves the total funding authorization for the IDIQ contract with Brown and Caldwell to an amount of Two Million Six Hundred Thirteen Thousand Two Hundred Fifty Dollars ($2,613,250.00).
6. The CCU hereby further approves the use of Grant, Bond, or IFCIP funds that may be applied to additional Change Orders within the total funding authorization amount for the IDIQ contract with Brown and Caldwell.

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

DULY AND REGULARLY ADOPTED, this 22nd day of February, 2022.

Certified by:

_____
JOSEPH T. DUENAS
Chairperson

Attested by:

_____
MICHAEL T. LIMTIACO
Secretary

SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSENT: _____

ABSTAIN: _____

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DRAFT

EXHIBIT A

This is **EXHIBIT K**, consisting of 3 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services – Task Order Edition** dated June 27, 2019.

Amendment No. 5 To Task Order No. 4

1. Background Data:

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

2. Description of Modifications

a. The original Task Order, and its Amendments Nos. 1, 2, 3, and 4, included Engineering Services for project and construction management of the Hyundai Subdivision lift station, and archaeological and surveying services for the on-going Southern SSES Rehabilitation – Phase 2 (Baza Gardens-Santa Rita-Talofofo) construction project through close-out. Since the effective date of this Task Order, construction has been delayed due to COVID-19 restrictions, contractor's tardiness in completing design, time taken to secure approvals for permits, right-of-way, environmental and archaeological clearances, and responses from the Guam SHPO on remedial actions to lift their stop work order. Additionally, due to global supply shortages, the manufacturer and supplier of the lift station's permanent generator stated that the estimated arrival date of the generator to Guam is August 2022. However, the lift station will be substantially completed and commissioned in February 2022, with beneficial occupancy in March 2022. BC will continue to assist GWA and coordinate contractor responsibility until the generator is installed and commissioned. With the delays, the estimated final completion date is August 31, 2022. Therefore, this Amendment No. 5 to Task Order No. 4 extends the completion date of the Task Order to continue project and contract management to complete the active construction contract through September 30, 2022. Current Task Order funding can provide for continuation of BC's services through September 30, 2022; no additional funding is anticipated for BC direct labor.

Further, due to Guam SHPO's requirement for archaeological monitoring and soil profiling during excavation and backfilling activities, this amendment increases the Task Order amount by $17,500, less GRT, on a Time and Materials basis for the completed archaeological field work and any additional field work performed by the archaeological subcontractor.

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

Party	Action	Previously Amended Completion Date	Revised Completion Date
Engineer	**Task 1 – Task Management**	**December 31, 2021**	**September 30, 2022**
Engineer	**Task 2 – Project/Contract Management/Archaeological Monitoring/Surveying Services**	**December 31, 2021**	**September 30, 2022**

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

Description of Service	Additional Amount	Basis of Compensation
1. Basic Services		
a. Task 1 – Task Management	$0	T&M
b. Task 2 – Project Management	$0	T&M
c. Task 2 – Contract Management	$0	T&M
Total Additional Labor Cost	**$0**	
d. Task 2 - Archaeological Monitoring	$17,160	T&M
e. Task 2 – Survey	$0	Lump Sum
e. Expenses	$0	Lump Sum
Total Additional Subcontracts and Expenses	**$17,160**	
f. GRT (5%)	$858	T&M
TOTAL ADDITIONAL COMPENSATION (lines 1.a-f)	**$18,018**	

3. Task Order Summary (Reference only)

a.	Original Task Order amount:	$ 181,924
b.	Net change for prior amendments:	$ 197,306
c.	This amendment amount:	$ 18,018
d.	Adjusted Task Order amount:	$ 397,248

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

Owner and Engineer hereby agree to modify the above-referenced Task Order as set forth in this Amendment. All provisions of the Agreement and Task Order not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is December 31, 2021. It is acknowledged that the additional archaeological monitoring described above was performed prior to December 31, 2021.

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OWNER:		ENGINEER:	
By:		By:	
Title:		Title:	Senior Vice President
Date Signed:		Date Signed:	

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EXHIBIT B

This is **EXHIBIT K**, consisting of 3 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services – Task Order Edition** dated June 27, 2019.

Amendment to Owner-Engineer Agreement No. 5

1. Background Data:

a.	Effective Date of Task Order:	June 17, 2019
b.	Owner:	Guam Waterworks Authority
c.	Engineer:	Brown and Caldwell
d.	Specific Project:	Indefinite Delivery/Indefinite Quantity (IDIQ) for Professional Project/Construction Management Services GWA Project No. M19-003-BND

2. Nature of Amendment

During the contract, GWA identified needs for services under this contract that have totaled $2,548,232 through eight Task Orders (nos.1-8) and subsequent respective change orders. By Resolution 29-FY2021, the CCU authorized increasing the Owner-Engineer Agreement to $2,548,232 as covered in Amendment No. 4 to the Owner-Engineer Agreement

As shown in Section 3 below, the total current amount of all Task Orders, and subsequent change orders, is $2,545,232, which is $3,000 less than the CCU approved amount. With this remaining amount, this Amendment No.5 to the IDIQ Owner-Engineer Agreement contract increases the funding in the amount of $15,018 for the completed archaeological field work and any additional field work performed by the archaeological subcontractor under Task Order No. 4. Additionally, this Amendment extends the performance period to complete the SSES Phase II (Task Order No. 4) Construction project The total contract amount is, therefore, $2,563,250 through this Amendment No. 5 to the IDIQ.

3. Task Order Summary (Reference only)

During the execution of this IDIQ contract, GWA has approved the following Task Orders (and Change Orders to the Task Orders as noted) for the work described below.

1. Task Order No.1 – Consulting Engineer's Report
    a. Change Order No.1 – Clarification relative to the Municipal Advisor Disclosure
    b. Change Order No.2 – Increase in scope for additional draft reports, updating financial projections, and evaluation of COVID-19 impacts on the financial projections.
    c. Change Order No.3 – Increase in scope to address continuing development of changes required to the financial plan to adequately address the COVID-19 impacts, additional financial analysis and report modifications.
    d. Change Order No.4 – Increase in scope to add task for assistance with and attendance at the individual investor meetings.

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2. Task Order No.2 – Project/Contract Management for Rt.4 Sewer Rehabilitation
    a. Change Order No.1 – Extension of performance time and associated increase in total fee due to construction period extensions.
3. Task Order No.3 – Project/Contract Management for Rt.1 Sewer Rehabilitation
    a. Change Order No.1 – Extension of performance time and associated increase in total fee due to construction period extensions; plus increasing the scope to provide PM/CM for construction of the Adelup to Hagatna section.
    b. Change Order No. 2 – Extension of performance time and associated increase in total fee due to Phase 2 construction.
4. Task Order No.4 – Project/Construction Management for SSES phase 2 Hyundai Subdivision Lift Station
    a. Change Order No.1 - Extension of performance time and associated increase in total fee due to construction delays; plus adding archaeological services to the scope of work.
    b. Change Order No. 2 – Extension of performance time (no-cost change order).
    c. Change Order No. 3 – Extension of performance time (no-cost change order).
    d. Change Order No. 4 – Extension of performance time and associated increase in total fee due to construction delays.
5. Task Order No.5 - Cost of Service Study (PUC Stipulation)
    a. Change Order No. 1 – Reallocation of funding and additions to scope of work (no-cost change order)
    b. Change Order No. 2 – Final reconciliation change order to reflect actual work and effort performed (deductive change order)
6. Task Order No.6 – Water Meter Technical Assistance
7. Task Order No.7 – Consent Decree and Hydraulic Modeling Assistance
8. Task Order No. 8 – Water Resources Master Plan Interim Update

Summary of Costs

Task Order No.1	$188,490
Change Order No.1	$0
Change Order No.2	$86,065
Change Order No.3	$13,084
Change Order No.4	$3,836
Subtotal	$291,475
Task Order No.2	$148,348
Change Order No.1	$48,959
Subtotal	$197,307
Task Order No.3	$209,780
Change Order No.1	$266,270
Change Order No. 2	$141,435
Subtotal	$617,485
Task Order No.4	$181,924
Change Order No. 1	$87,304
Change Order No. 2	$0
Change Order No. 3	$0
Change Order No. 4	$110,002
Subtotal	$379,230
Task Order No.5	$318,343
Change Order No. 1	$0
Change Order No. 2	-$ 3,000
Subtotal	$315,343
Task Order No.6	$24,226
Task Order No.7	$358,325
Task Order No. 8	$361,841
Total	$2,545,232

4. Agreement Summary

IDIQ Contract Amount

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a.	Original Agreement Amount	$750,000
b.	Net Change for Amendment No. 1:	$992,860.00
c.	Net Change for Amendment No. 2:	$192,094.00
d.	Net Change for Amendment No. 3:	$361,841.00
e.	Net Change for Amendment No. 4:	$251,437.00
f.	Net Change for Amendment No. 5:	$15,018.00
g.	Total Amount for Original Contract Plus Amendments No. 1-5:	$2,563,250

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

Owner and Engineer hereby agree to modify the above-referenced Task Order as set forth in this Amendment. All provisions of the Agreement and Task Order not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is September 28, 2021.

OWNER:		ENGINEER:	
By:	Miguel C. Bordallo, P.E.	By:	
Title:	General Manager	Title:	Senior Vice President
Date Signed:		Date Signed:	

Certified Funds:

Taling M. Taitano, CPA, CGFM, CGMA
Chief Financial Officer

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GUAM WATERWORKS AUTHORITY

Management Report
GWA Work Session
February 15, 2022

GWA Workforce availability as of February 22, 2022

Healthy	335	92.5%
Sick, not COVID-19 related	3	0.8%
COVID-19 Quarantined	12	3.3%
Employee with COVID-19, active case	6	1.7%
COVID-19 Medical Risk	2	0.6%
Military Leave	3	0.8%
LTD	1	0.3%
	362	**100%**

	Total	
Healthy/Reporting for duty at worksite	312	86.2%
Healthy/Reporting for duty - Part Teleworking and Part Reporting for duty at worksite	2	0.6%
Healthy/Reporting for duty - Teleworking	10	2.8%
Healthy on annual leave	11	3.0%
Employee sick - symptoms unrelated to COVID-19	3	0.8%
Military Leave	3	0.8%
Employee diagnosed with COVID-19	6	1.7%
Employee (to be) tested for COVID-19 with results pending	3	0.8%
Employee sick - symptoms related to COVID-19	5	1.4%
Employee's direct exposure to a household member - COVID-19 confirmed case	3	0.8%
Employee's direct exposure to a household member being tested for COVID-19	1	0.3%
Employee or household member is at medical risk (i.e. COVID-19 vulnerable)	2	0.6%
LTD/Workers Comp	1	0.3%
	362	**100.00%**

GWA Workforce Vaccine Status as of February 22, 2022

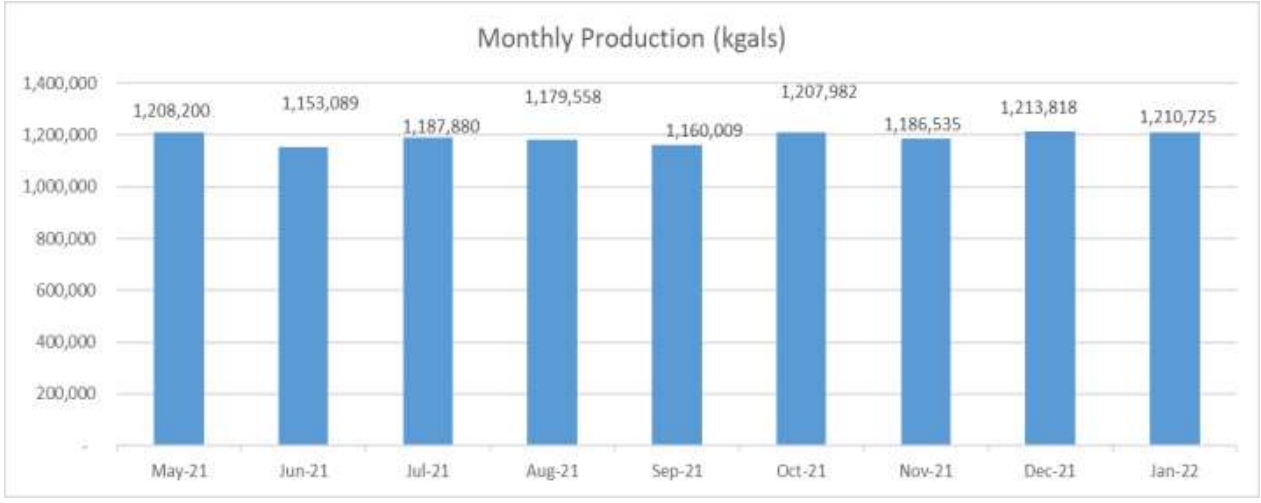
Fully Vaccinated	339	94%
Did Not Receive Shot	23	6%
	362	**100%**

Operations Update

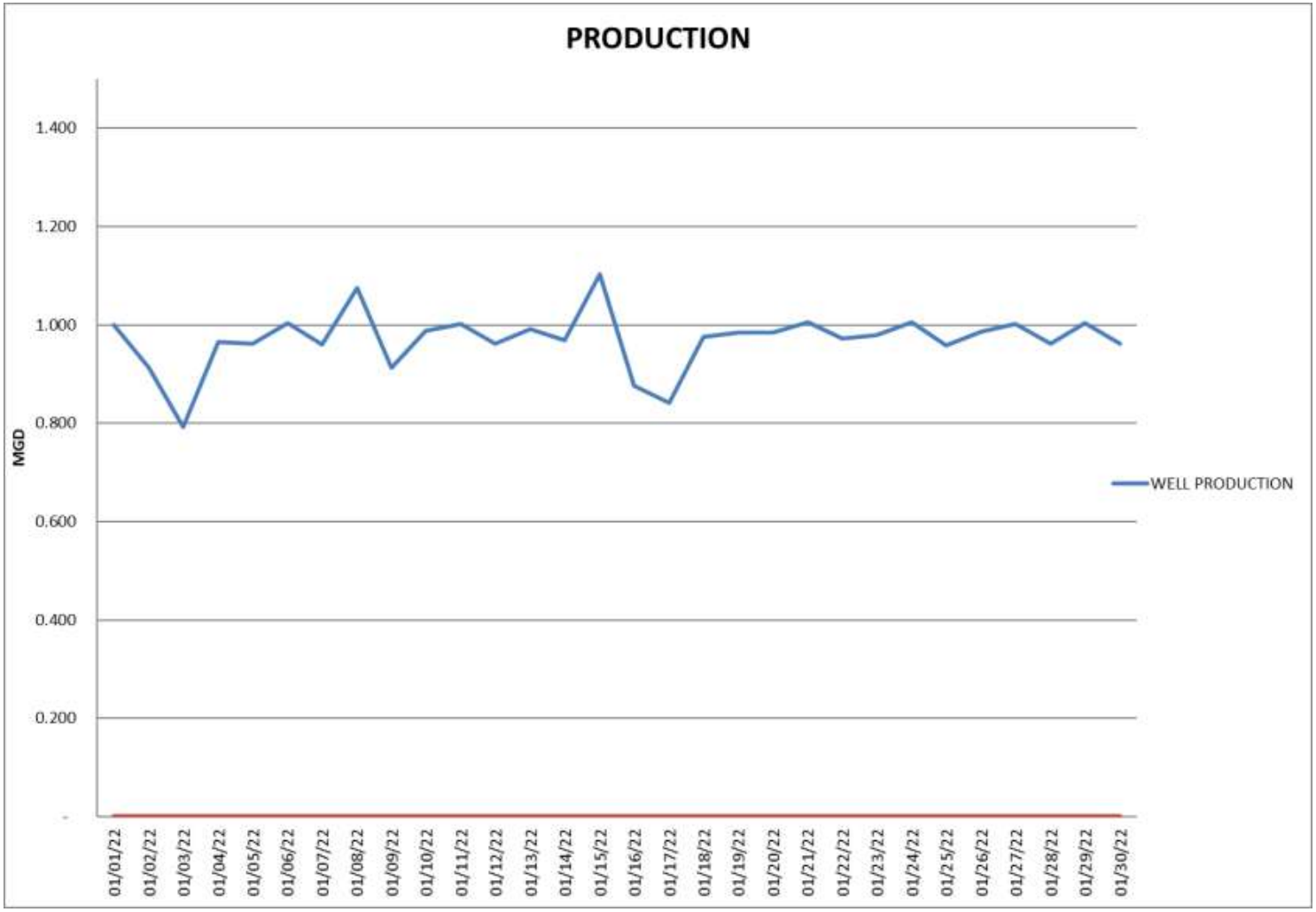
Production (January 2022)

Monthly Production Summary - January 2022					
Deep Wells				35.5	MGD
	Active wells =	94	of 120		
	Avg days in operation =	31	days		
	Total Production =	1,101,531	Kgals		
Springs				0.41	MGD
	Avg days in operation =	31	days		
	Total Production =	12830	Kgals		
Ugum Surface Water Plant				2.1	MGD
	Avg days in operation =	31	days		
	Total Production =	66,299	Kgals		
Tumon Maui Well				0.97	MGD
	Avg days in operation =	31	days		
	Total Production =	30,065	Kgals		
		1,210,725	Kgals	39.1	MGD

DW Status as of 1/31/2022		
Active	94	
Grounded Motors	15	A26-D01-D03-D11-D24-D28-F06-F10-F13-F15-G501-M12-Y07-Y16-Y20
Out of Commission	9	A02-A07-A28-A29-D05-D13-M14-MJ01-MJ05
Temporarily Secured - PFO	2	A23-A25

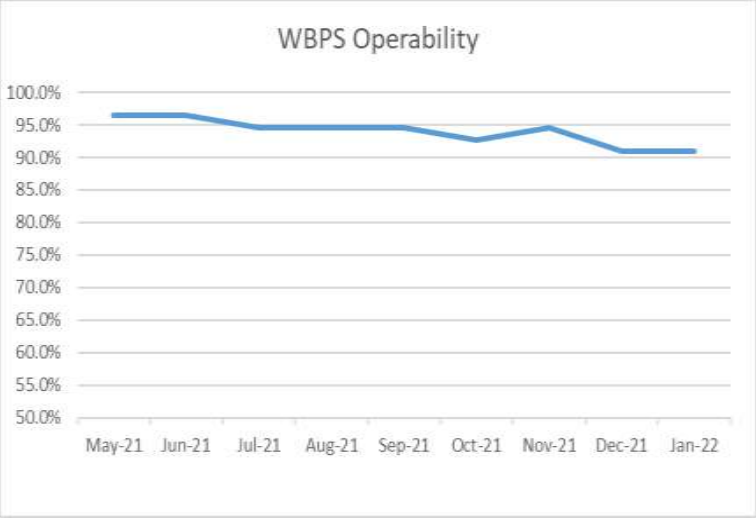


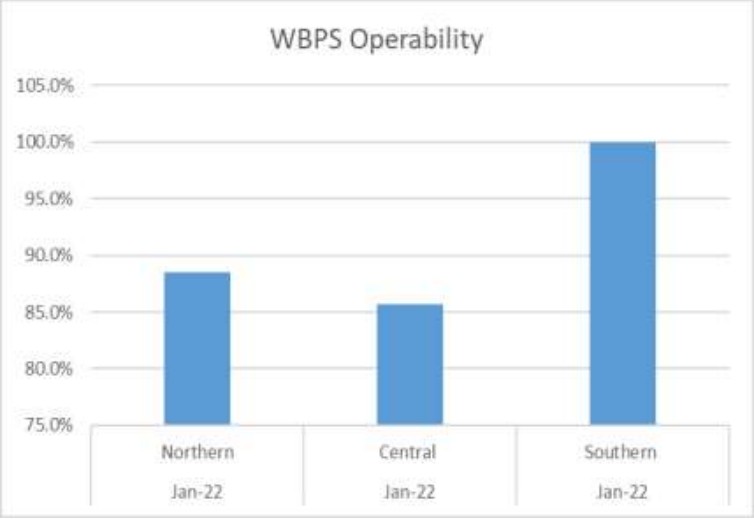
Tumon Maui Well Production (January 2022)



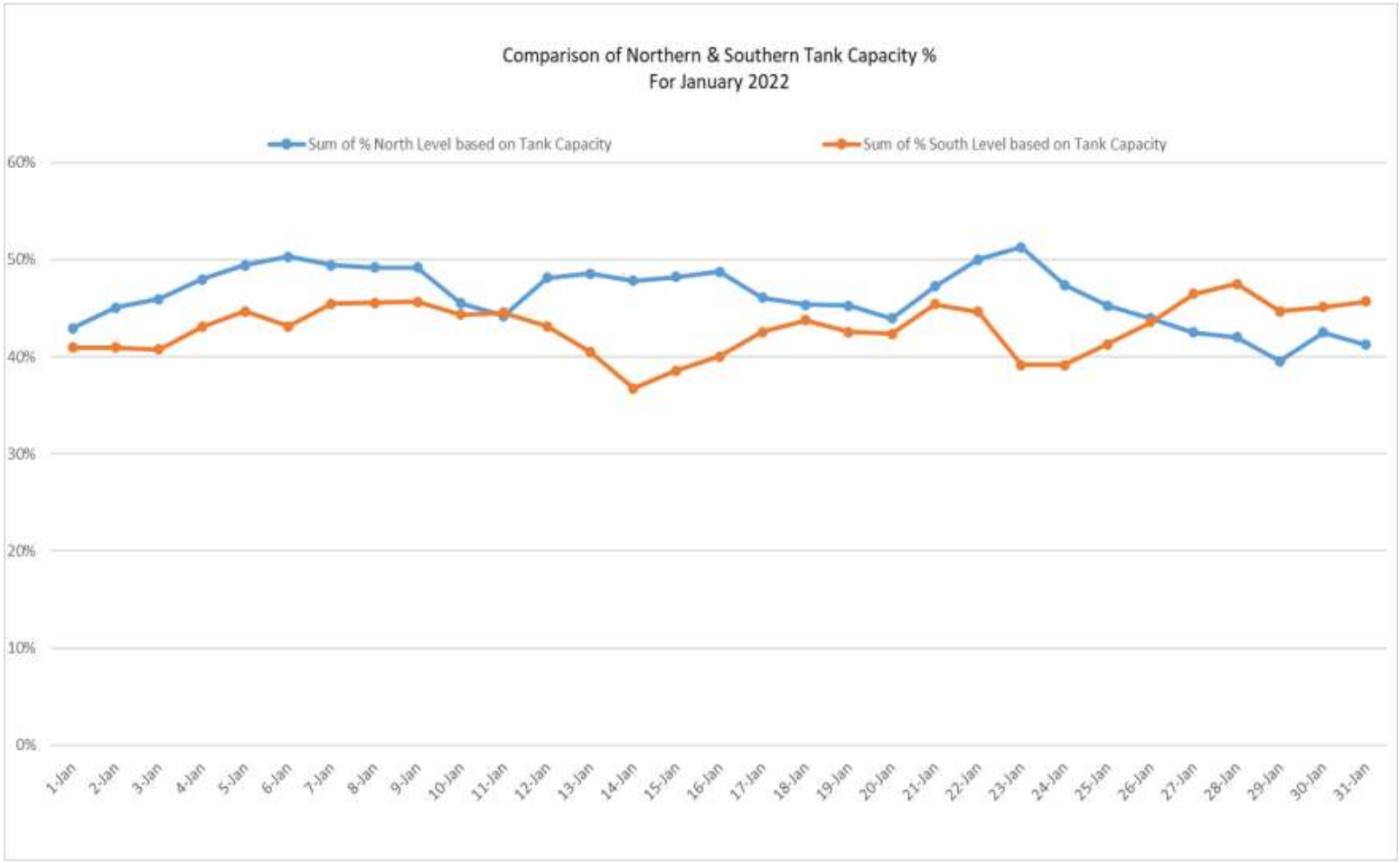
Distribution (January 2022)

Monthly Distribution Summary - January 2022					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	23	88.5%
	Central	7	14	12	85.7%
	Southern	7	15	15	100.0%
		27	55	50	90.9%



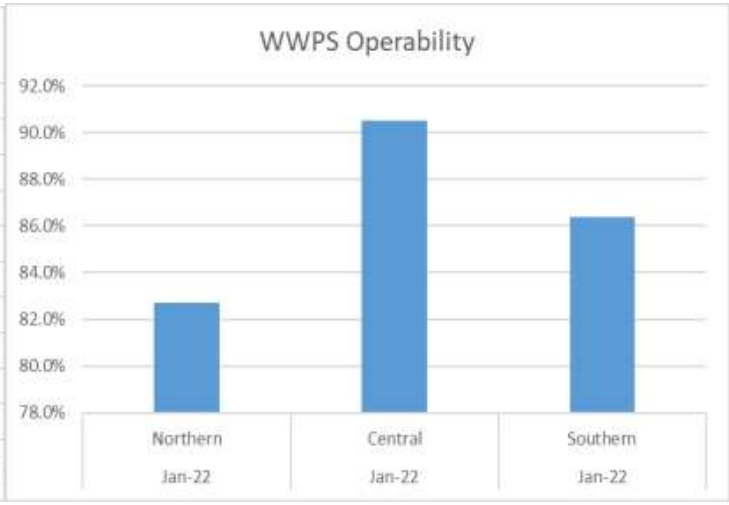


Distribution – Tank Levels (January 2022)

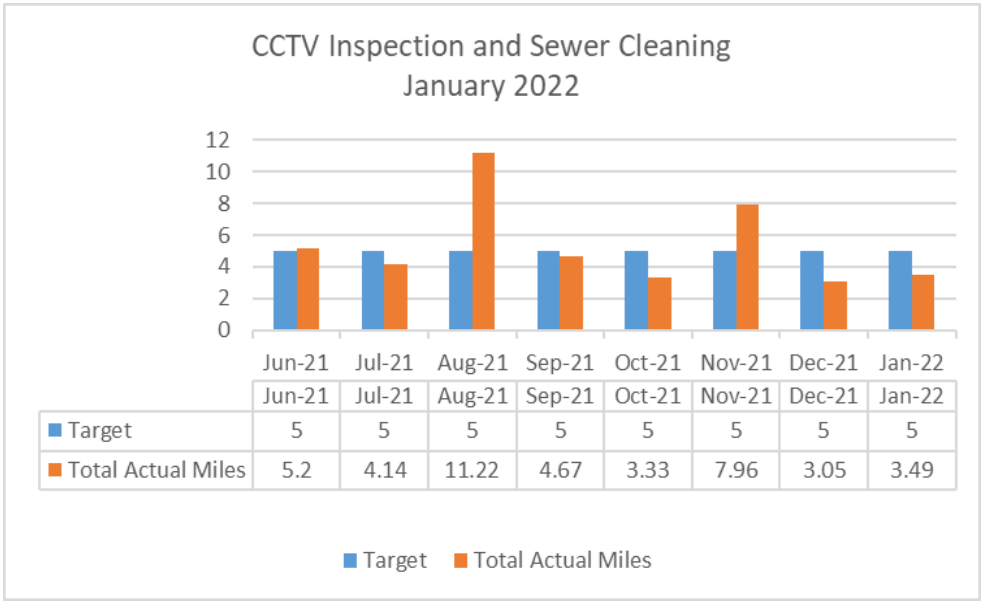


Wastewater Collections (January 2022)

Monthly Collections Summary - January 2022					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	43	82.7%
	Central	29	63	57	90.5%
	Southern	31	66	57	86.4%
		82	181	157	86.7%



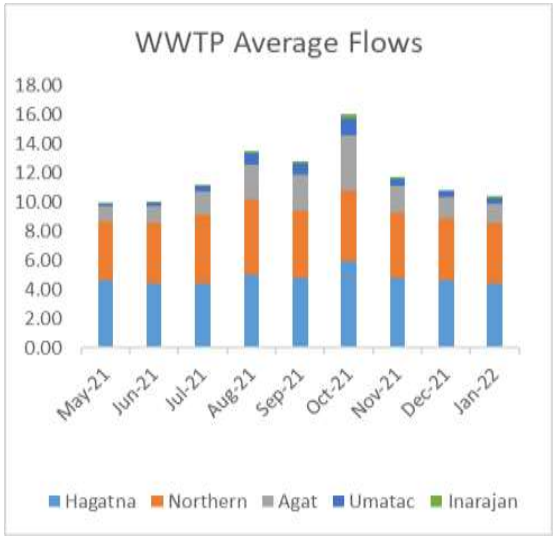
Wastewater Collections - CCTV (January 2022)



	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Target	5	5	5	5	5	5	5	5
Total Actual Miles	5.2	4.14	11.22	4.67	3.33	7.96	3.05	3.49

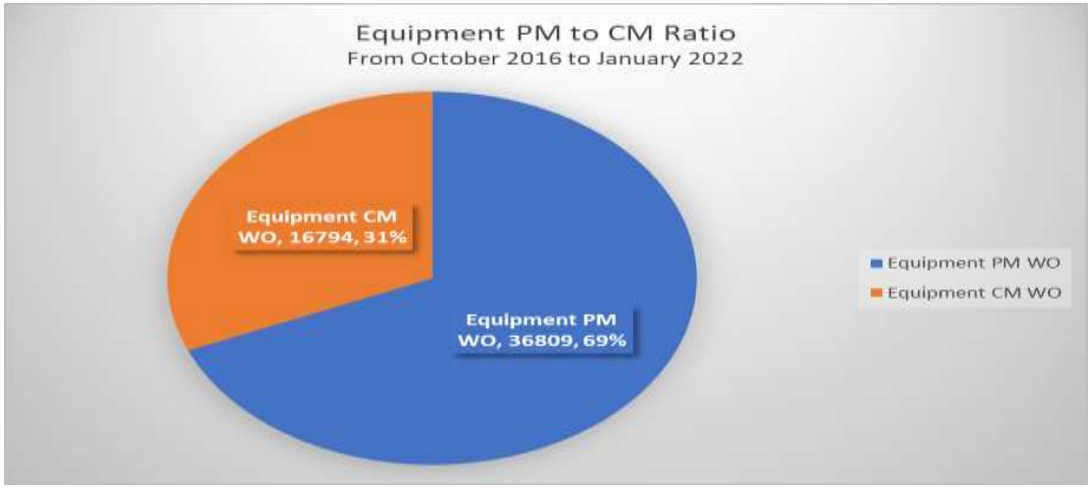
Wastewater Treatment (January 2022)

Monthly Wastewater Treatment Summary - January 2022				
WW Treatment Plants - Flows				
	Facility	**Avg. Daily Flows**	**Sludge (lbs)**	**Sludge Disp. ($)**
	Hagatna	4.41	183,720	$ 16,535
	Northern	4.2	413,140	$ 37,183
	Agat	1.26	94,360	$ 8,492
	Umatac	0.42		
	Inarajan	0.1		
		10.39	691,220	$ 62,210

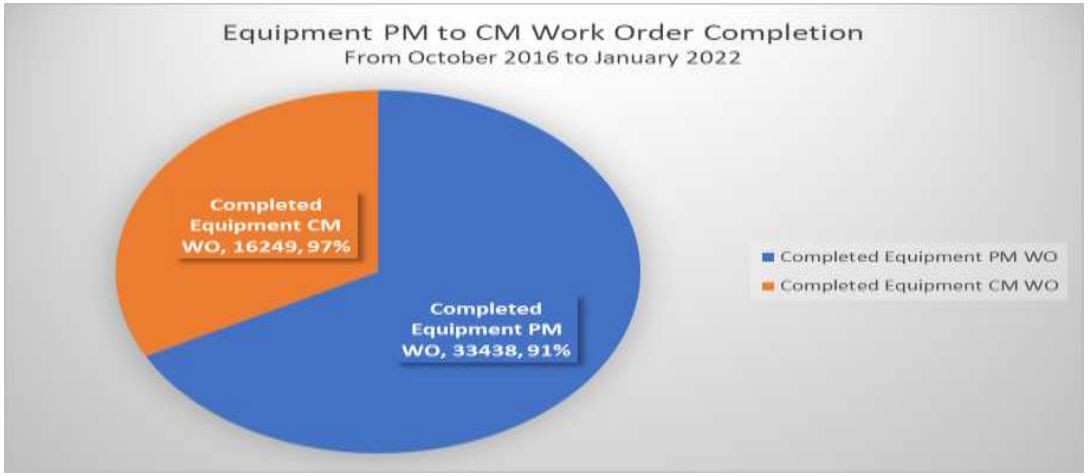


Asset Management (through January 2022)

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

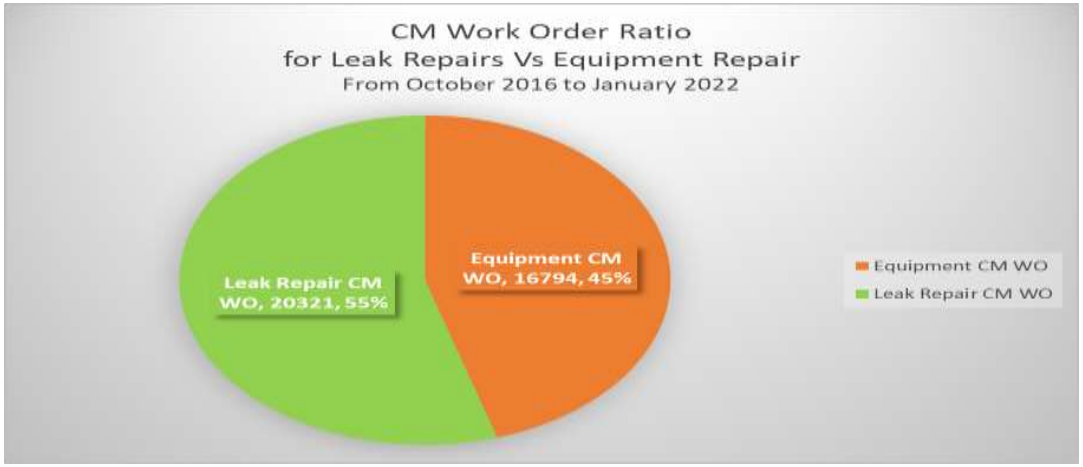


II. Equipment Preventive Maintenance to Corrective Maintenance ***Work Order Completion***

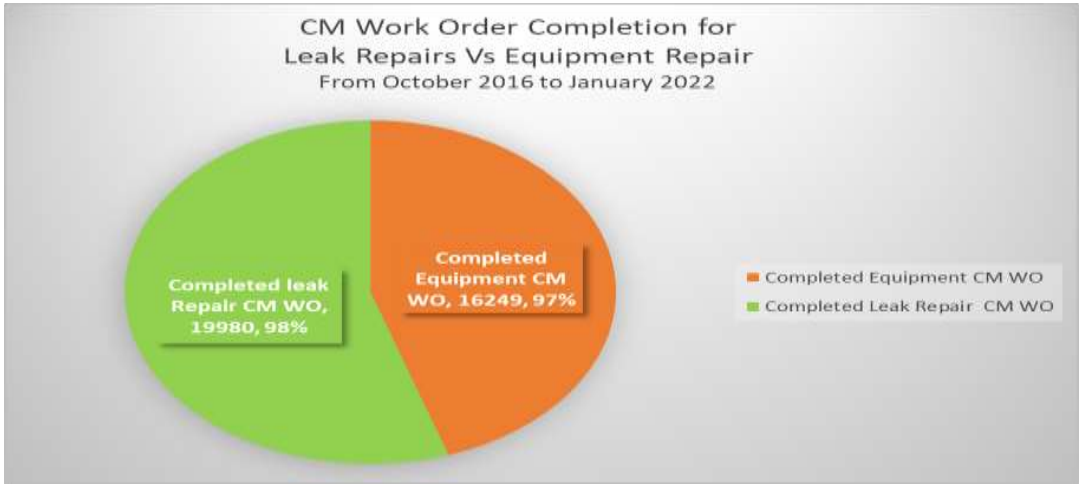


Asset Management (through January 2022)

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



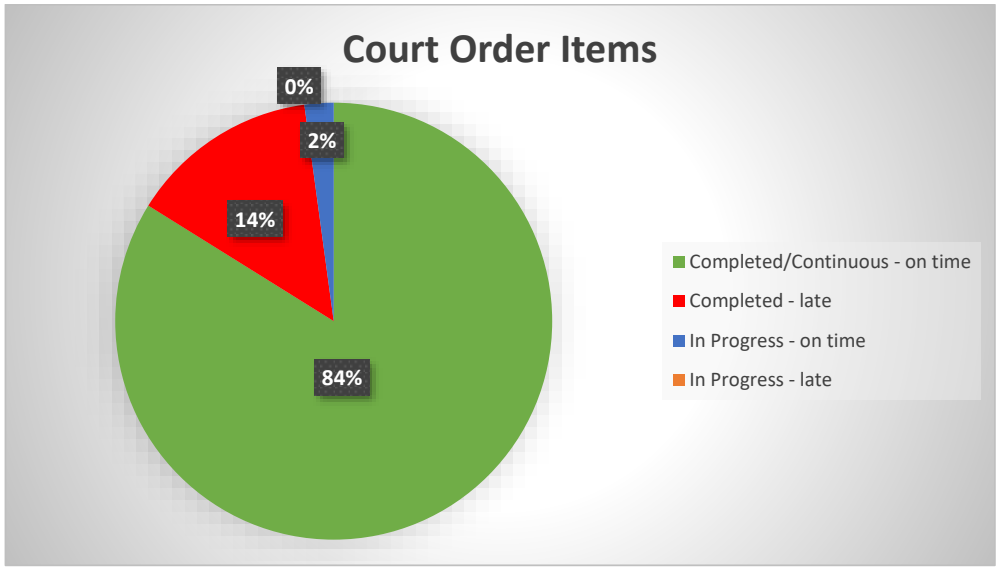
IV. Corrective Maintenance Work Order ***Completion*** for Leak Repairs vs. Equipment Repair



One Guam Update (through January 2022)

- **01-Tumon Maui Well**
  - Inspection by DOD was held on January 19, 2022. No issues to report. GWA is asking to install a new GWA Chlorine Analyzer and remove the older DOD Analyzer. This will allow GWA to do Performance Maintenance without shutting down the well.
  - The one-year lease will be expiring in May 2022. DOD is looking to give GWA a long-term lease for TMW.
- **02-AG-1 Intertie with Andersen**
  - Increase production request –No update; still under review.
  - GWA and DOD are considering options an easement to follow the existing water line. This will require possible environmental survey and other permits.
  - An access fence will also be installed once the easement issues are resolved.
- **03- Water/Wastewater Sales/Exchange**
  - DOD and GWA are will gathering the data for the discussion on developing a formal contract for water and wastewater sale/exchange. GWA is still reviewing the information from Finance. NO Update
- **04-OEA Projects**
  - Observation Wells/NGLA – All the drilling is complete at NCS and Radio Barrigada
  - All the drilling will be completed by June 2022
- **07-PropertyTransfers**
  - Umatac / Cetti Bay Easement
    - Waiting for GWA to sign off on the extension request to use Lot 275 as part of DOD agreement with GovGuam for coral reef mitigation. No Update.
- 08- Other
  - GWA and Department of Public health and Social Service – Wastewater Surveillance for COVID – equipment is on island. As soon as the testing kits arrive, samples will be taken from the wastewater treatment plants to include DOD's.

Court Order Summary (January 2022)



Court Order Summary

	Court Order Items	%	Performance % Completed	Performance (on-time or completed)
Completed/Continuous - on time	78	84%		
Completed - late	13	14%		
In Progress - on time	2	2%		
In Progress - late	0	0%	97.8%	100.0%
Totals	93	100%		

Court Order – Status Information (January 2022)

No CO delays due to approval of CO extension.

- Final Date to complete CO 29(b) is June 30, 2023.

- Overflow or Bypass events reported to USEPA (January 2022):
  - 01-10-2022, SSO #563 Pas St., Tamuning - FOG
  - 01-13-2022, SSO #565 Chamorro Village – FOG
  - 01-19-2022, SSO #569 Marine Dr., Tamuning - FOG

Land Acquisition Summary (through January 2022)

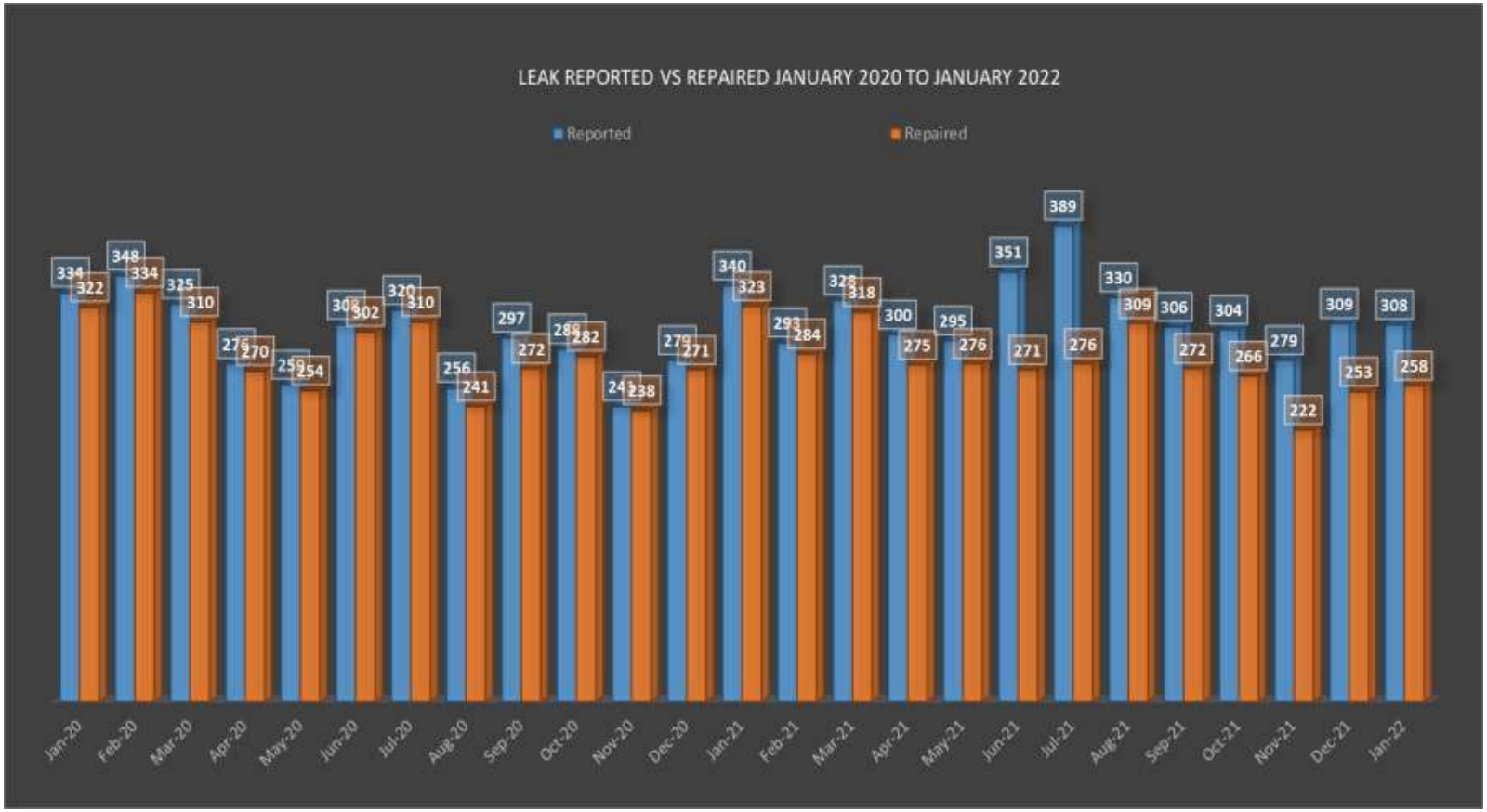
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo	Gov't. - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021. Follow up status sent to DLM on 09/02/2021, 10/06/2021, 11/03/2021 and 01/27/2022.
	Piti	Private	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 form. Waiting for permission from NPS to access the lot and perform the Archeological survey.
	Airport	Private	Land Acquisition Title ownership under the Guam Waterworks Authority on Lot 1, Block 5, Tract 1427, Tamuning 11/10/2021
Deep Wells	AG-12	Dept. of Agriculture / Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2nd 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. DCA submitted parceling map to DLM for review and comments on August 18, 2021, waiting for their review comments. Follow up status email sent to DCA 10/07/2021. 2nd follow up status email sent to DCA 11/10/2021. Follow up status sent to DCA on 01/11/2022 and 01/27/2022.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inalahan 11/07/19. Letter of Decision received by CLTC 06/09/2021. CLTC has responded for in-kind service letter 10/08/2021. CLTC responds on decision of appraisal company 11/10/2021

(Continued on next page)

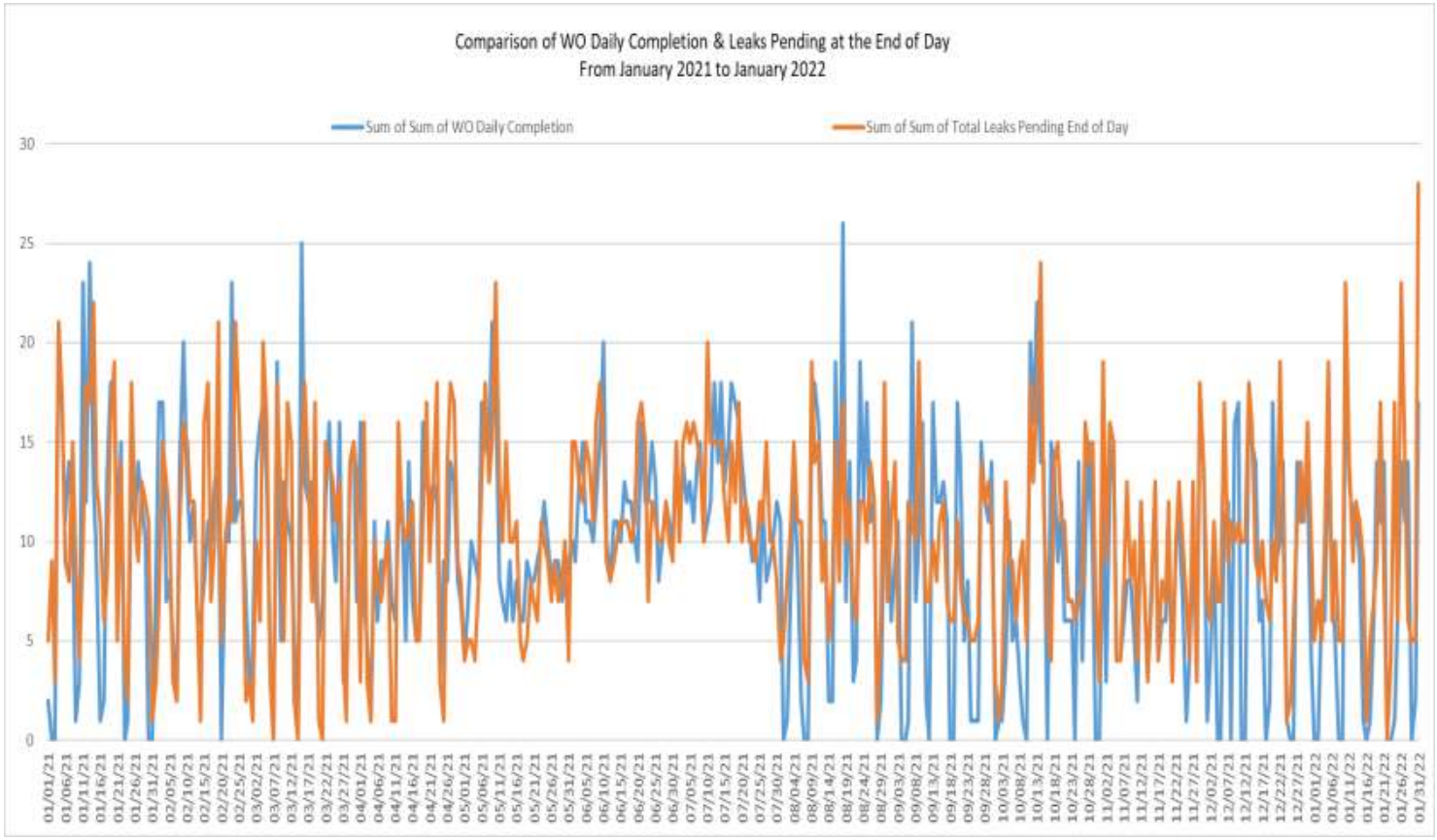
Land Acquisition Summary (through January 2022 – continuation)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Asan	Federal	In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment (EA) will be developed. The permit for the biological survey was submitted on 6/12/2020 and was signed by NPS on 1/22/2021. Further coordination between NPS and SHPO is pending to determine necessary approach for an archaeological survey. New Chief of Resources for War in the Pacific National Historical Park, Timothy Clark, hired. Replacing Tahzay Jones, who was previously working with us. HDR working with Tim Clark on coordinating things with NPS. <u>Biological Survey:</u> • Fieldwork completed, 2/10/2021. Based on a preliminary finding by HDR's biologist they have found snails close to the site, and within NPS proposed ROW, and outside the proposed ROW. Draft report submitted to NPS, 4/1/2021. • Comments received from NPS, 6/4/2021. • Final Report submitted to NPS, 6/12/2021. • NPS submitted Biological Survey to USFWS, 9/28/2021. met with NPS, USFWS, DOAG on 10/22/2021 to discuss survey and possible Biological Assessment (BA). • HDR working with NPS to develop formal BA pending template of BA from USFWS; HDR completed draft Public Scoping Document for NPS review for NEPA process, 11/05/2021. Still waiting on NPS for edits/comments on Scoping documents/BA for NEPA. <u>DOAG Environmental Consultation Letter:</u> • HDR sent Request letter sent to DOAG (Dep of Ag) on 3/15/2021. • GWA followed up with DOAG on 6/25/2021. • DOAG responded on 7/1/2021, but did not reach GWA Eng. until 8/4/2021; HDR review response letter and will respond soon. <u>SHPO Letter</u>: Pending archaeological survey requirements from SHPO. • SHPO Letter sent to NPS for review, 5/29/2021; rec'd. first comments on 7/1/2021. • Submitted revised letter on 7/12/2021; rec'd. comments on 8/9/2021. • Resubmitted letter to NPS on 9/15/2021. • NPS submitted Environmental Consultation Request to SHPO, 10/20/2021; SHPO responded to NPS on 12/28/2021 for NEPA.

Comparison of Leaks Reported vs. Leaks Repaired (through January 2022)



Daily Leak Repairs (through January 2022)



GUAM WATERWORKS AUTHORITY

GWA Financial Overview

JANUARY 2022

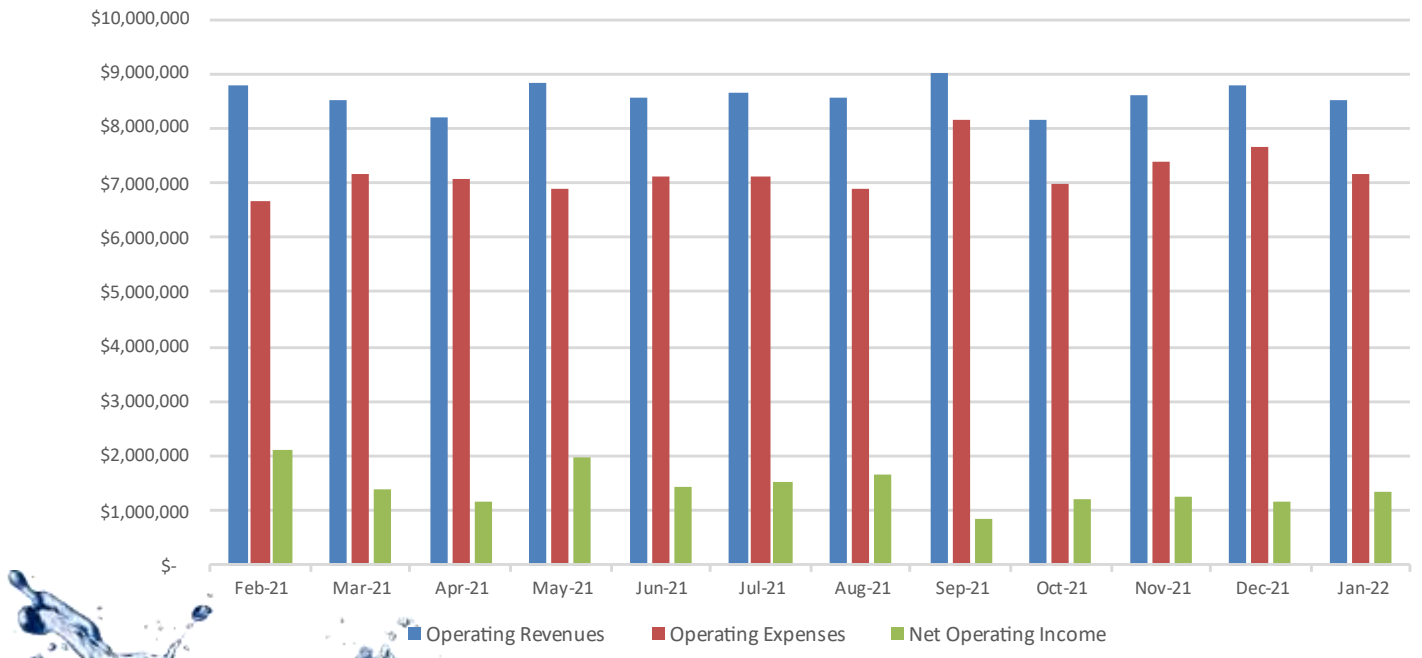
GUAM WATERWORKS AUTHORITY

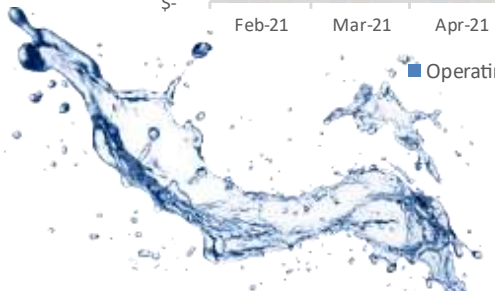
Key Financial Indicators

Indicator	Target	Dec-21	Jan-22
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.25	1.27
• Per PUC / CCU	1.40	1.25	1.27
Days - Cash on Hand	120 days	249 days	265 days
Collection Ratio			
• Month to Date	99%	94%	93%
• Year to Date	99%	91%	91%
Days Billed	30 days	30 days	30 days
Account Receivable Days	30 days	44 days	43 days
Account Payable Days	45 days	33 days	38 days
Employee Count	400 FTE	366 FTE	363 FTE
Water Demand			
• Month to Date	478,754	444,509	438,526
• Year to Date	1,436,262	1,322,901	1,761,427
Wastewater Flow			
• Month to Date	356,472	339,032	327,316
• Year to Date	1,069,416	982,645	1,309,961
Water Customers	42,839	43,185	43,120
Wastewater Customers	29,805	30,482	30,410

GUAM WATERWORKS AUTHORITY

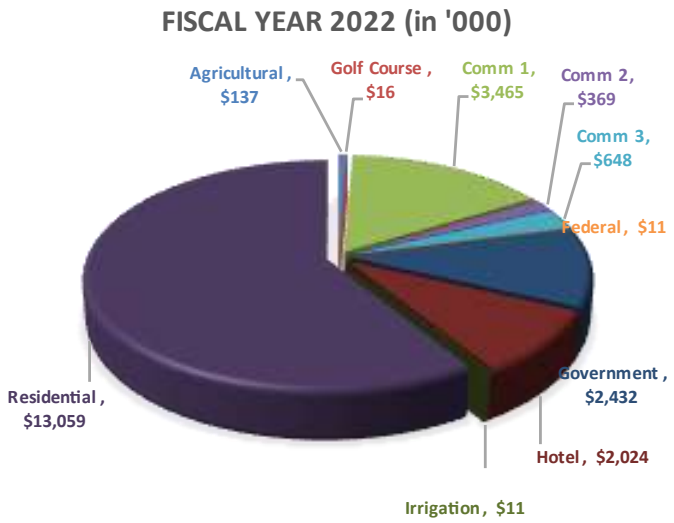
Income Statement

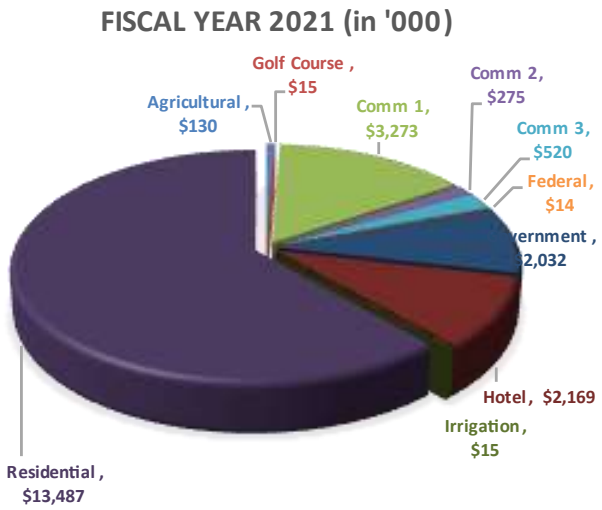




GUAM WATERWORKS AUTHORITY

JANUARY 2022 YTD Water Revenue by Rate Class





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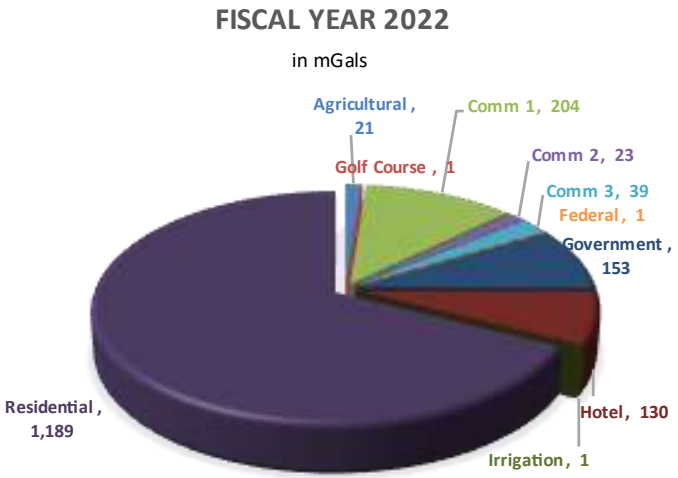
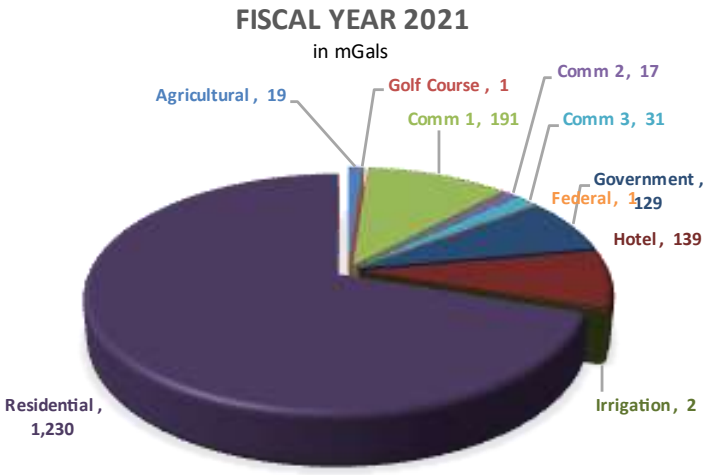
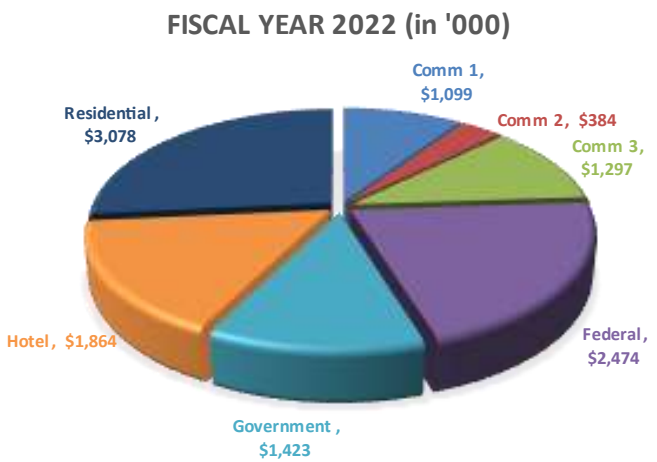
JANUARY 2022 YTD Demand

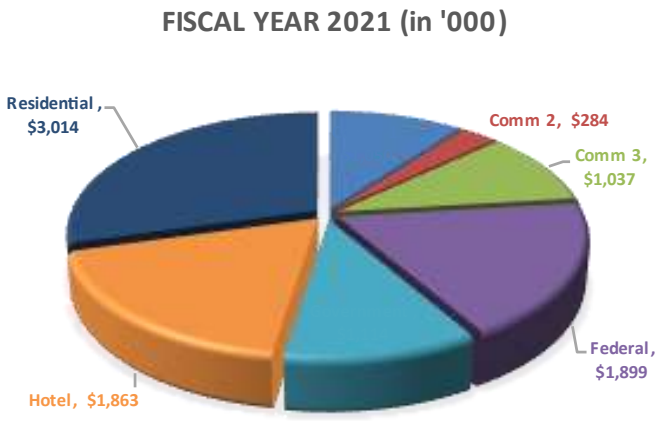




GUAM WATERWORKS AUTHORITY

JANUARY 2022 YTD Waste Water Revenue by Rate Class





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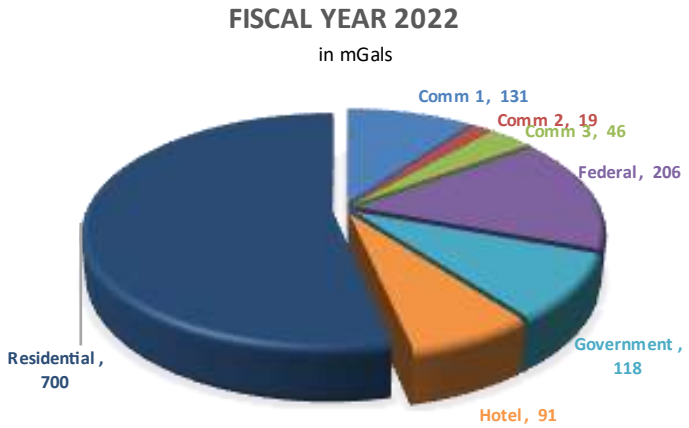
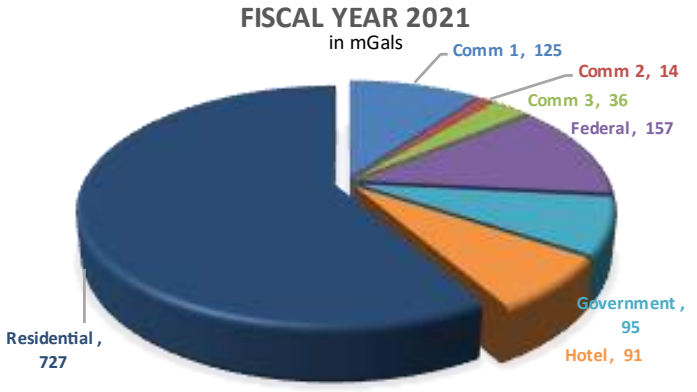
JANUARY 2022 YTD Flow





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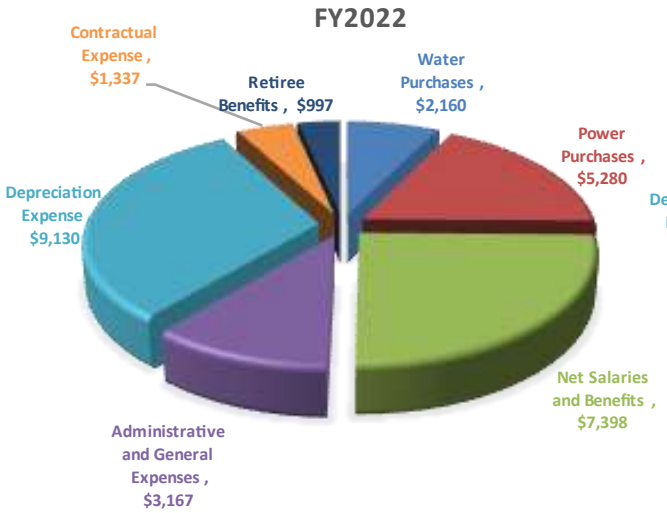
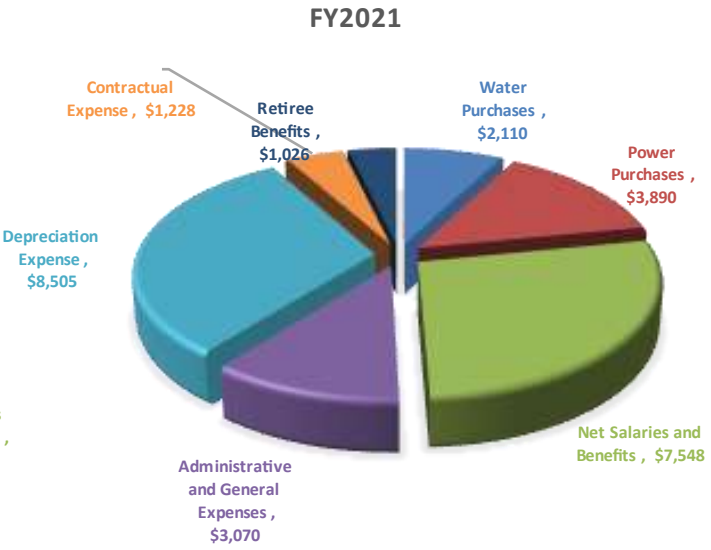
JANUARY 2022 YTD Expenses by Categories





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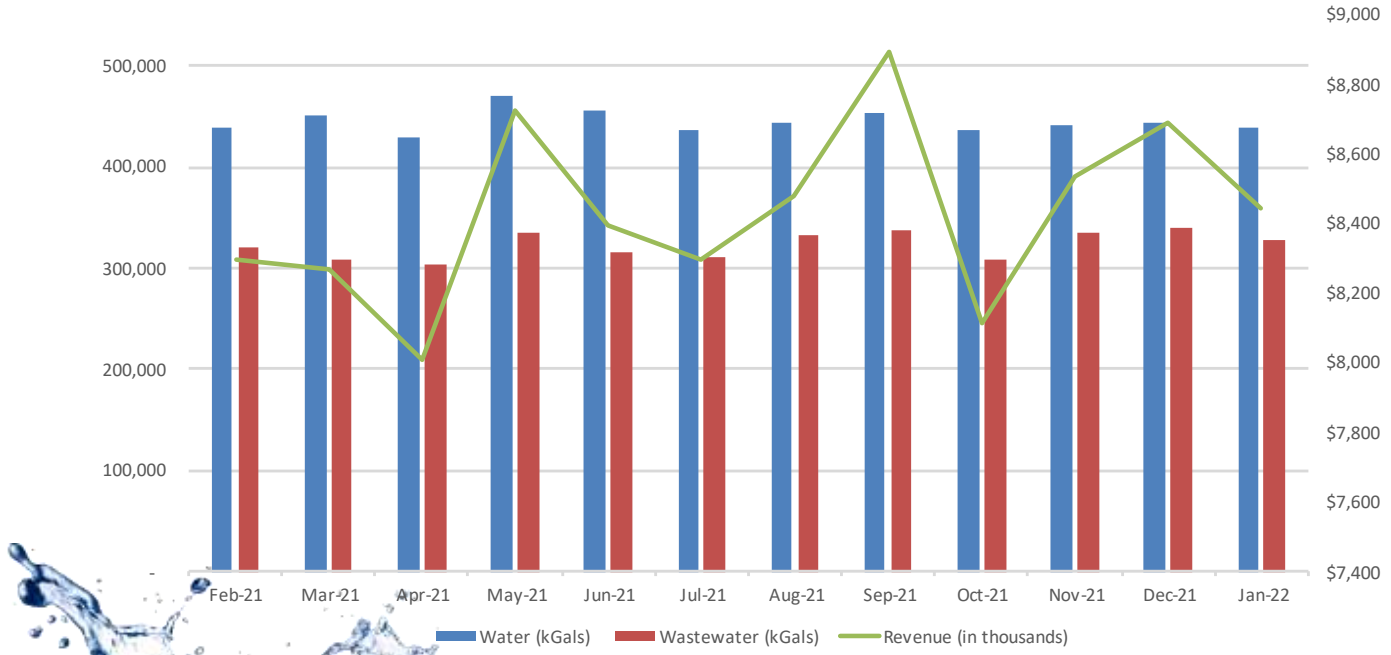
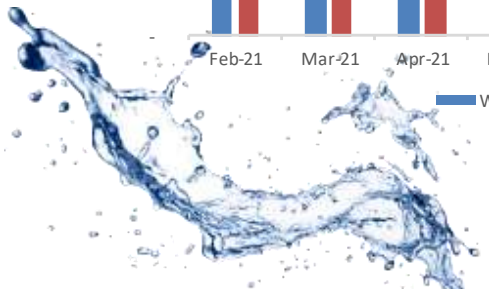
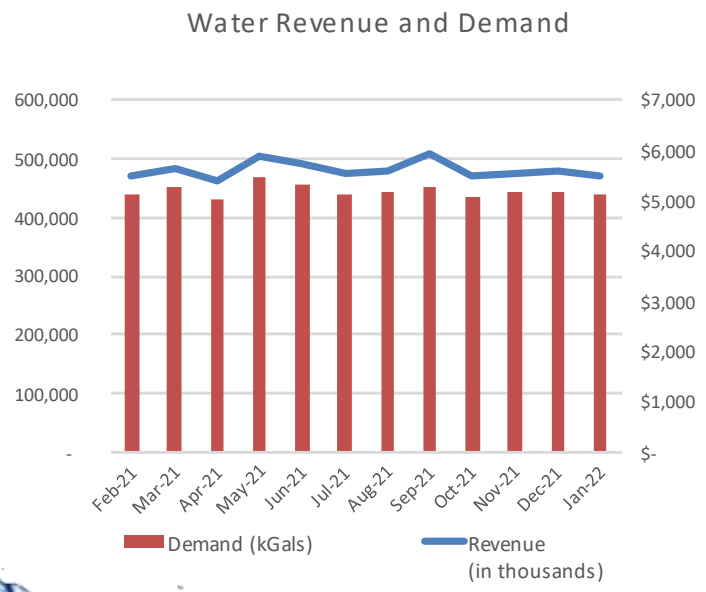
Overall Revenues and Demand

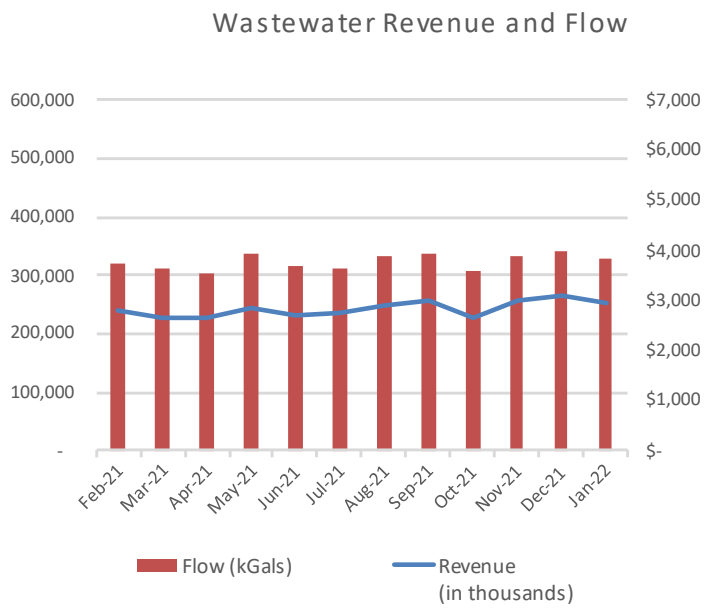




GUAM WATERWORKS AUTHORITY

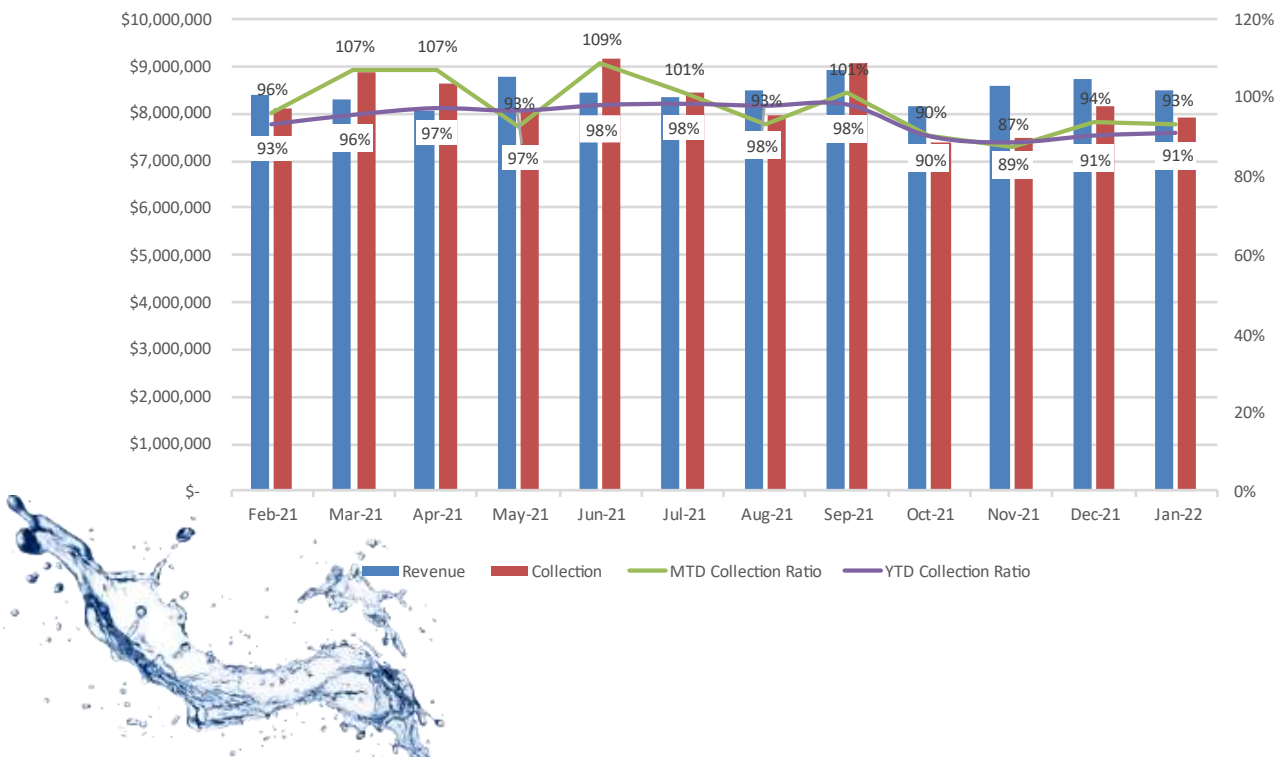
Revenues and Demand





GUAM WATERWORKS AUTHORITY

Overall Revenues and Collections



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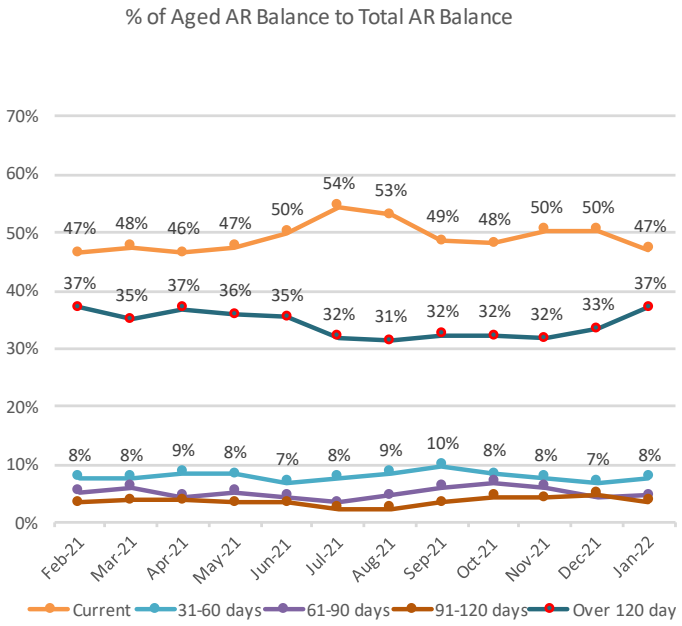
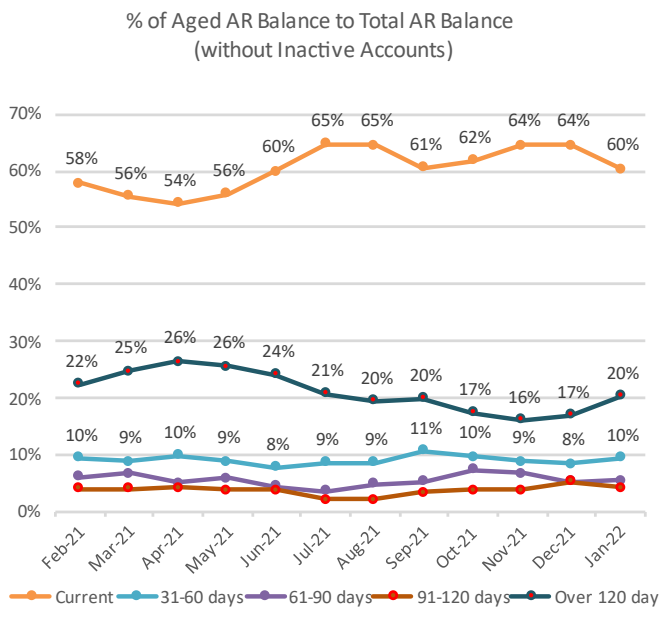
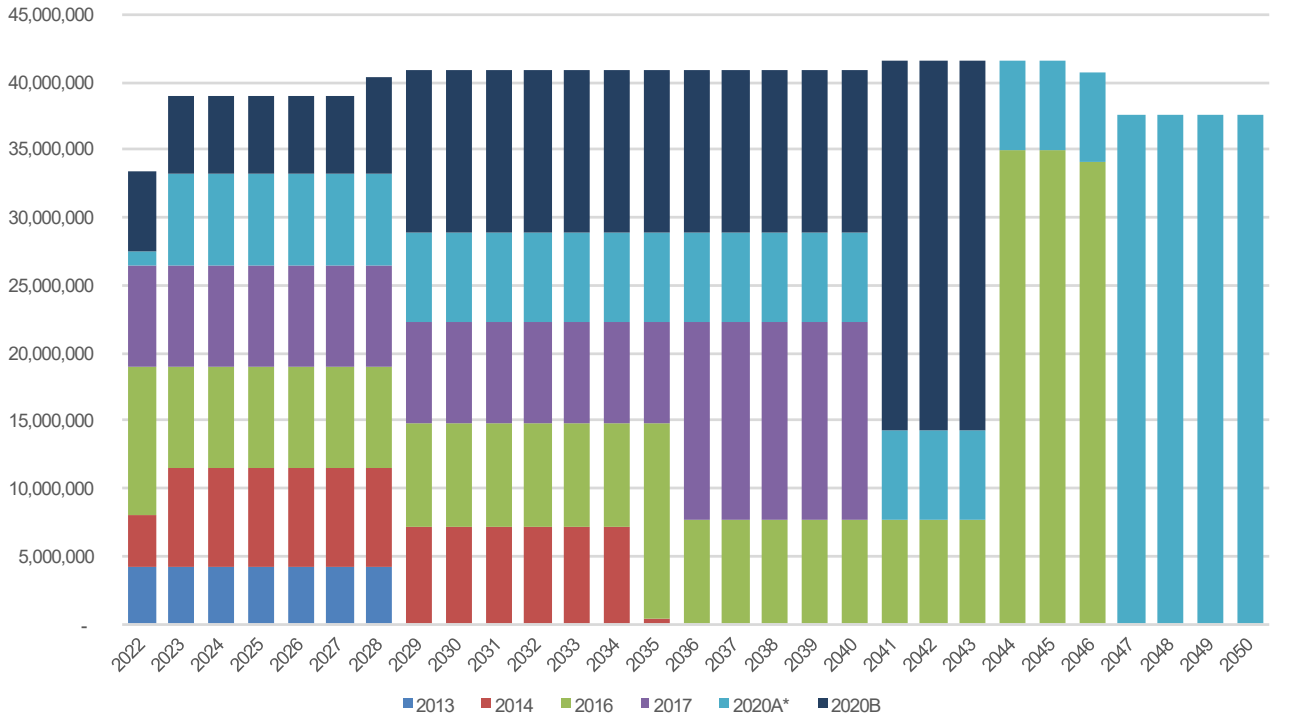
Overall – AR Aging





GUAM WATERWORKS AUTHORITY

GWA Outstanding Debt Service



GWA Utility Services Division
Monthly Status Report
Month ending JAN 2022

FY2022 **UTILITY SERVICES DIVISION ACTIVITIES**	**WEEK ENDING: 01/08/22**	**WEEK ENDING: 01/15/22**	**WEEK ENDING: 01/22/22**	**WEEK ENDING: 01/29/22**	**JAN 2022 MONTHLY TOTAL**	**WEEKLY AVERAGE JAN 2022**	***PREVIOUS MONTH*** **WEEKLY AVERAGE DEC 2021**	***PREVIOUS MONTH*** **DEC 2021 MONTHLY TOTAL**
Collections Activities:								
I. Number of accounts cut for nonpayment:	93	121	156	153	523	131	53	211
II. Number of accounts restored for nonpayment:	23	18	18	73	132	33	27	106
III. Number of No water reports responded to:	4	3	0	1	8	2	1	4
IV. Number of Secure/Unsecure valve reports responded to:	5	2	1	2	10	3	4	16
V. Number of Verify reads responded to:	4	1	3	7	15	4	1	2
VI. Number of new pay plans negotiated for active accounts:	144	150	129	134	557	139	101	404
VII. Number of active pay plans negotiated and ongoing:	562	600	590	624		594	599	
VIII. Number of inactive accounts with a payment arrangement:	3	3	3	3		3	5	
IX. Number of broken payment plans:	84	50	65	62	261	65	40	159
Customer Service Activities (lobby visits):								
A. GBN Public Service Building – Fadian								
i. Total Customers Assisted:	224	160	164	210	758	190	175	698
ii. Total Abandoned Requests:	6	6	4	8	24	6	3	12
iii. Average Wait Time:	7 minutes	6 minutes	8 minutes	8 minutes		7.25 minutes	10 minutes	
iv. Average Service Time:	9 minutes	10 minutes	10 minutes	10 minutes		9.75 minutes	11.25 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	53	42	31	56	182	46	51	204
2. Restore water cut for non payment:	13	7	11	17	48	12	6	23
3. Terminate Water:	18	5	8	15	46	12	13	50
4. Copy of Bill:	28	25	22	26	101	25	22	89
5. Billing Dispute:	62	37	46	62	207	52	39	154
6. Billing Dispute follow up:	1	0	2	2	5	1	1	2
7. General Questions & Other:	36	37	41	21	135	34	29	114
8. Report a water leak:	0	0	0	0	0	0	0	1
9. Report water theft:	0	0	0	0	0	0	0	0
10. Payment Arrangement:	16	10	7	14	47	12	18	71
B. Julale Satellite Office – Hagatna								
i. Total Customers Assisted:	191	177	153	176	697	174	152	607
ii. Total Abandoned Requests:	1	0	1	1	3	1	7	28
iii. Average Wait Time:	6 minutes	5 minutes	8 minutes	7 minutes		6.5 minutes	3.25 minutes	
iv. Average Service Time:	11 minutes	10 minutes	10 minutes	11 minutes		10.5 minutes	7.75 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	40	38	27	47	152	38	35	140
2. Restore water cut for non payment:	3	4	11	7	25	6	6	23
3. Terminate Water:	16	11	7	16	50	13	10	41
4. Copy of Bill:	52	41	31	26	150	38	37	149
5. Billing Dispute:	54	58	49	56	217	54	38	153
6. Billing Dispute follow up:	0	0	0	0	0	0	0	0
7. General Questions & Other:	15	14	19	18	66	17	21	82
8. Report a water leak:	0	0	0	0	0	0	0	0
9. Report water theft:	0	0	0	0	0	0	0	0
10. Payment Arrangement:	14	13	12	6	45	11	7	27
C. Upper Tumon Satellite Office – Upper Tumon								
i. Total Customers Assisted:	214	194	183	235	826	207	197	788
ii. Total Abandoned Requests:	10	4	7	12	33	8	5	21
iii. Average Wait Time:	7 minutes	5 minutes	5 minutes	10 minutes		6.75 minutes	5.25 minutes	
iv. Average Service Time:	12 minutes	12 minutes	11 minutes	14 minutes		12.25 minutes	11 minutes	
v. Purpose of lobby visit:								
1. Apply for water:	40	38	45	56	179	45	59	236
2. Restore water cut for non payment:	7	9	4	8	28	7	5	18
3. Terminate Water:	24	18	17	15	74	19	19	77
4. Copy of Bill:	35	25	21	27	108	27	11	44
5. Billing Dispute:	44	48	38	49	179	45	64	255
6. Billing Dispute follow up:	0	0	0	1	1	0	0	1
7. General Questions & Other:	49	44	43	60	196	49	31	123
8. Report a water leak:	0	0	0	1	1	0	0	1
9. Report water theft:	0	0	0	0	0	0	0	0
10. Payment Arrangement:	19	15	16	20	70	18	12	46

GWA Utility Services Division
Monthly Status Report
Month ending JAN 2022

FY2022 **UTILITY SERVICES DIVISION ACTIVITIES**	**WEEK ENDING: 01/08/22**	**WEEK ENDING: 01/15/22**	**WEEK ENDING: 01/22/22**	**WEEK ENDING: 01/29/22**	**JAN 2022 MONTHLY TOTAL**	**WEEKLY AVERAGE JAN 2022**	***PREVIOUS MONTH*** **WEEKLY AVERAGE DEC 2021**	***PREVIOUS MONTH*** **DEC 2021 MONTHLY TOTAL**
Customer Service Activities (Electronic):								
i. Emails Recieved:								
1. customers@guamwaterworks.org:	113	139	223	167	642	161	145	580
Request type (email):								
a. Apply for water:	25	33	61	60	179	45	25	98
b. Terminate Water:	12	13	19	12	56	14	12	48
c. Copy of Bill:	3	3	5	3	14	4	6	25
d. Billing Dispute & follow up:	6	13	31	18	68	17	1	2
e. General Questions & Other:	49	36	68	65	218	55	79	315
f. Report a water leak:	5	13	17	3	38	10	10	41
g. Report water theft:	0	0	0	0	0	0	0	0
h. Online services inquiry:	10	28	23	3	64	16	13	51
2. gwaservesme@guamwaterworks.org (realtors/prop mgrs):	2	0	0	3	5	1	1	2
ii. Emails Replied (both):	108	136	113	123	480	120	133	533
iii. Online Portal:								
Request type (online portal):								
a. Start Service:	1	1	0	1	3	1	1	2
b. Stop Service:	2	1	0	0	3	1	0	0
c. Payment Plan:	1	6	2	5	14	4	3	11
d. Customer Information Updates:	2	0	0	0	2	1	0	0
e. Service Investigations:	1	2	0	1	4	1	2	6
f. Account Inquiries:	5	3	3	1	12	3	3	10
g. Technical Support:	0	0	0	0	0	0	0	0
h. Outages & Emergencies:	0	0	0	0	0	0	0	0
Call Center Activities:								
i. Calls Recieved:	1328	1014	1121	1442	4905	1226	1133	4533
ii. Calls Immediately Answered:	629	589	522	501	2241	560	458	1832
iii. Calls Abandoned:	63	43	45	71	222	56	47	186
iv. Calls Handled by Voice mail:	616	357	522	837	2332	583	611	2444
v. Average duration of call:	4 minutes	6 minutes	4 minutes	5 minutes		4.75 minutes	5.25 minutes	
vi. Breakdown by request type:								
1. Apply/Terminate info:	7	20	3	6	36	9	16	63
2. Automated Telphone Call:	15	9	4	11	39	10	5	20
3. Balance Inquiry:	60	65	28	45	198	50	31	123
4. Call Back:	54	23	1	0	78	20	19	77
5. Dispatch:	8	17	9	24	58	15	21	82
6. Dispute:	12	7	4	3	26	7	3	10
7. Follow-up:	24	40	7	5	76	19	28	112
8. General Questions & Other:	199	86	21	19	325	81	144	577
9. Route Calls to GWA Staff:	98	76	27	31	232	58	45	178
10. No Water:	19	7	3	4	33	8	23	93
11. Online/Phone App Help:	16	17	2	2	37	9	13	51
12. Pay by Phone:	85	74	41	36	236	59	54	217
13. Pay Plan:	58	44	28	25	155	39	47	186
14. Restore Non-payment:	3	7	7	8	25	6	17	69
15. Secure/Unsecure Valve:	4	1	1	1	7	2	6	22
16. Voice Mail:	133	68	51	52	304	76	67	267
17. Water leak:	6	5	0	0	11	3	5	20
Bill Dispute & Resolution Activities:								
i. Dispute Resolution:								
1. Number of disputed accounts resolved:	8	9	12	5	34	9	7	26
2. Number of disputed accounts under review:	1775	1756	1765	1779		1769	1755	
Data Entry of Completed Field work in CIS:								
i. Document Control:								
1. Number of field activities posted:	205	196	132	165	698	175	237	946
2. Number of field activities pending:	36	18	57	44	155	39	34	135
Field Response Activities:								
I. Number of field activities assigned:	299	190	138	187	814	204	167	668
II. Number of field activities completed:	241	214	187	209	851	213	270	1079
III. Number of field activities pending field action:	12	11	0	8	31	8	2	7

GWA Utility Services Division
Monthly Status Report
Month ending JAN 2022

FY2022 **UTILITY SERVICES DIVISION ACTIVITIES**	**WEEK ENDING: 01/08/22**	**WEEK ENDING: 01/15/22**	**WEEK ENDING: 01/22/22**	**WEEK ENDING: 01/29/22**	**JAN 2022 MONTHLY TOTAL**	**WEEKLY AVERAGE JAN 2022**	***PREVIOUS MONTH*** **WEEKLY AVERAGE DEC 2021**	***PREVIOUS MONTH*** **DEC 2021 MONTHLY TOTAL**
Meter Reading Activities:								
I. Number of meters read:								
A. Electronically Read Meters:	10472	11891	11951	5730	40044	10011	8681	34725
B. Manually Read Meters:	39	45	30	30	144	36	27	106
i. Unread meters (Meters scheduled but not read):	14	12	4	7	37	9	8	31
ii. Number of data logs received:	27	30	28	36	121	30	21	83
iii. Number of data logs retrieved:	17	31	14	52	114	29	22	86
iv. Number of data logs pending field action:	0	0	0	0	0	0	0	0
v. Communication Errors/Reprogramming requests:	0	0	0	0	0	0	5	21
vi. Number of estimated readings (for the week):	329	297	210	194	1030	258	229	914
vii. Reasons for Estimations:								
1. Cant locate meter:	0	0	0	0	0	0	0	0
2. Temporary Obstruction:	0	0	0	0	0	0	1	3
3. Vicious Dog:	0	0	0	0	0	0	0	0
4. Flooded meter:	0	1	0	0	1	0	0	0
5. Corrective action to database requested:	1	3	1	2	7	2	3	11
6. Possible changed out meter:	12	11	3	7	33	8	6	25
7. Communication/Programming error (code 92's):	0	0	0	0	0	0	0	0
8. Other:								
a. Leaks detected on customer's private line:	1486	1963	1915	752	6116	1529	1364	5457
b. Reverse Flow Detected:	291	268	200	176	935	234	207	828
c. No Usage Detected:	349	309	383	262	1303	326	266	1063
d. Tamper Code:	10	2	2	0	14	4	3	13
C. Electronic Read Percentage:	99.63%	99.62%	99.75%	99.48%		99.6%	99.7%	
Illegal Connection & Unauthorized Use of Water Activities:								
I. Number of Inactive Still Consuming Reports rec'd & investigated:	0	0	2	0	2	1	1	2
II. Number of Illegal Connection reports rec'd & investigated:	0	1	1	0	2	1	1	5

2011 Court Order Performance Report Card / Dashboard as of 01/31/2022

GUAM WATERWORKS AUTHORITY

Court Order Performance Report Card

	Items	On-time Items Completed/Continuous	Items Delayed	Completed Late	Items on Schedule	Performance % Competed	Performance % Compliance
Court order total	93	78	0	13	2	97.8	100%

Legend in detail section below.

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

2011 Court Order Performance Report Card / Dashboard as of 01/31/2022

Name	SO #	No	Project	GWA CO Timeline as extended	Due to EPA	Status
Northern District WWTP Primary Treatment Upgrades.	2	1	Interim Primary Treatment Improvements Complete	09/30/2012	@EPA	**Done** Construction completed 12/13/2012
	3(a)	2	Interim Effluent to meet Table 1	09/30/2012 monitoring started	@EPA	**Done** Table 1 compliance beginning January 9, 2013.
	3(a)(1)	3	PE Review (Application for 7.5 MGD pending)	3 months after compliance with 3(a)	@EPA	**Done** 3(a)(1) Application to increase to 7.5 MGD **Approved 08/13/2017**
	3(a)(2)	4	(Application for 9 MGD)	3 months after compliance with 3(a)(1)	**N/A**	**Not considered necessary** because of OEA Upgrade of NDWWTP to Secondary
	3(c)	5	Effluent monitoring (calendar-year quarter)	**Completed**	@EPA	**Done. Full year completed 01/08/2012**
	4(a)	6	Sludge & Biosolids Management Plan	12/31/2011	@EPA	**Done.** Biosolids to Landfill EPA Approval 08/17/2014
	4(a)	7	Adequate stabilization and dewatering	9/30/2012	@EPA	**Done.** By Design-Build contract.
	4(b)	8	Biosolids Management, Quarterly Report	Quarterly Report	@EPA	**Ongoing** Routine Monitoring Report, **Repeats Quarterly**
	4(c)	9	Biosolids Management, repair & replace facilities	09/30/2012	@EPA	**Done** Construction Complete 12/13/2012. Biosolids to Landfill
	4(d)	10	Biosolids Management, implement plan	9/30/2012	@EPA	**Done** - Biosolids to Landfill
Agaña WWTP Interim Measures.	5	11	Primary Treatment Plant Upgrades	06/30/2013	@EPA	**Done.** CEPT is operational and routine.
	5(a)	12	Scope and schedule	09/30/2011	@EPA	**Done.** CEPT is operational and routine.
	5(b)	13	Septage Handling Complete	06/30/2013	@EPA	**Done.** Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(b) 1	14	Septage handling design contract signed	12/31/2011	@EPA	**Done.** Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(b) 2	15	Septage handling construction notice to proceed	06/30/2012	@EPA	**Done.** Septage Receiving at the NDWWTP (location option) reported 06/26/2013.
	5(c)	16	Grit and FOG Complete	06/30/2013	@EPA	**Done** Phase III CEPT is in operations.)
	5(c) 1	17	Grit and FOG design contract signed	12/31/2011	@EPA	**Done** Grit and FOG reported 06/06/2013
	5(c) 2	18	Grit and FOG construction notice to proceed	06/30/2012	@EPA	**Done** Submitted 11/17/2011
	5(d)	19	Repair Solids handling	11/17/2011	@EPA	**Done** Submitted 11/17/2011
	5(e)	20	O & M Plan	05/31/2013	@EPA	**Done** O & M Plan reported 05/31/2012
	5(f)	21	Effluent monitoring (calendar-year quarter)	**Completed**	@EPA	**Done - Completed Full year as of 01/08/2012**
	6	22	Prevent Effluent Back Surge	06/30/2013	@EPA	**Done** Old outfall decommissioned (plugged) 06/25/2013
	6	23	Effluent Back Surge Plan	12/30/2011	@EPA	**Done** Old outfall decommissioned (plugged) 06/25/2013
I&I SSES	7	24	Collection System SSES and I/I evaluation	**Done.**	@EPA	**Done.**
SSES Work Plan	8	25	Work Plan	180 days	@EPA	**Done** Reported 08/13/2012
	8(a)	26	Flow and rainfall data	N/A	@EPA	**Done** Reported 04/25/2013
	8(b)	27	I/I Southern	540 days	@EPA	**Done** Reported 04/25/2013
	8(c)	28	I/I Central	900 days	@EPA	**Done** Reported 04/28/2014
	8(d)	29	SSES Southern	540 days	@EPA	**Done** Reported 04/30/2013 – update 04/29.2016
	8(e)	30	SSES Central	900 days 09/15/2015 EPA Disap. Ltr.	@EPA	**Done Late** – Completed June 2, 2017
	8(e) 2	31	SSES Central Report	09/15/2015 EPA Disapproval Letter	@EPA	**Done Late** – Completed June 2, 2017
Agat / Santa Rita,	9(a)	32	By Pass Report	60 days	@EPA	**Done** Reported 01/04/2012
	9(b)	33	Flow Meter	180 days	@EPA	**Done** Reported 07/26/2012
	9(c)1,2,3	34	Report evaluating near term measures	180 days response sent 09/29/2014	@EPA	**Done** Reported 05/07/2012 GWA response 09/292014.
	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 I&I/SSES
	14(a)	48	System Upgrades, Design Starts	10/31/2015 NTP DCA 02/05/2016	@EPA	**Done Late** Linked to new Agat WWTP NTP DCA 02/05/2016
	14(b)	49	System Upgrades Construction (started on time)	10/31/2016	@EPA	**Done Late Finished 12/31/2018.**

2011 Court Order Performance Report Card / Dashboard as of 01/31/2022

Name	SO #	No	Project	GWA CO Timeline as extended	Due to EPA	Status
Umatac-Merizo	15	50	Complete Evaluation	12/31/2013	@EPA	**Done** Reported 12/31/2013 -- Critical path, completed I&I/SSES
	16	51	System Upgrades	12/31/2018	@EPA	**Delayed** by US Fish and Wildlife issues – **completed November 13, 2019**
	16(a)	52	System Upgrades, Design Starts	06/30/2016	@EPA	**Done** Design Build contract executed 06/29/2017
	16(b)	53	System Upgrades, Notice to Proceed	06/30/2017	@EPA	**Done** NTP Issued 06/30/2017
Sewer Cleaning	17	54	Sewer Cleaning (in annual and quarterly reports)	2017-2022 Goal set: Complete Every 5 years	@EPA	**Ongoing --** 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 Monitors	22	59	Plan	180 days	@EPA	**Done** Reported 09/94/2012
	22(a)	60	High Risk Wells	540 days	@EPA	**Done** Reported 05/02/2013
	22(b)	61	Moderate Risk Wells	2 years	@EPA	**Done** Reported 07/31/2013
	22(c)	62	All Other Wells	Completed 07/31/2017	@EPA	**Done Late** – Completed 07/31/2017
Water Metering `	23(a)	63	Plan & schedule	180 days	@EPA	**Done Late** - Reported 05/08/2012
	23(a)	64	All connections are metered and mapped	2 years	@EPA	**Done Late** – completed 11/15/2018
	23(b)	65	Plan repair & maintain	180 days	@EPA	**Done** GWA Test facility operational 06/28/2013
Ugum Surface Water Treatment Plant	24	66	Construction complete	One year	@EPA	**Done** Reported 11/09/2012
	24	67	PE Inspection	60 days before start-up	@EPA	**Done** EPA Approval 08/26/2014
	25	68	PE Performance Operation Assessment	60 days before start-up	@EPA	**Done** EPA Approval 08/26/2014
	26	69	O&M Plan and Procedures	90 days before start-up	@EPA	**Done** Reported 08/10/2012 EPA Approval 08/17/2014
	27	70	Plant compliance	365 days	@EPA	**Done** Reported 02/07/2013
Sinajana Water Transmission Line	28(a)	71	Existing Construction Complete	180 days	@EPA	**Done** Reported 12/23/2011
	28(b)	72	Hydraulic Evaluation	180 days	@EPA	**Done** EPA No Further Comment 08/26/2014
	28(c)	73	Construction Complete (2 tanks)	540 days from 11/21/2013	@EPA	**Done Late** GEPA Delays Tank Constr. Completed August 2015: In Service July 2016.
	28(d) 1	74	Monitoring Plan	90 days prior	@EPA	**Done** Reported 09/07/2012
	28(d) 1	75	Implement- Monitoring Plan	For one year after start up	@EPA	**Done** GWA Compliance - **Start 09/01/2015 – end 08/31/2016**
	28(d) 2	76	Monitoring Plan	180 days prior	@EPA	**Done** EPA Approval 08/26/2014
	28(e)	77	Implement- Monitoring Plan	For one year after start up	@EPA	**Done - Start 09/01/2015 – end 08/31/2016**
Storage Tank/Reservoir Rehabilitation and Replacement Program.	29(a) 1	78	Plan hydraulic analysis	90 days	@EPA	**Done** Reported 11/09/2012
	29(a) 2	79	Hydraulic analysis	540 days	@EPA	**Done** EPA No Further Comment 08/26/2014
	29(b) 1	80	Plan minimize service interruptions	90 days after approval	@EPA	**Done** EPA approval 08/26/2014
	29(b) 2	81	Tank inspection schedule	540 days	@EPA	**Done** EPA approval 08/26/2014
	29(b) 3	82	Complete Barrigada (1 @ 2 MG tank)	540 days	@EPA	**Done**
	29(b) 4	83	Assess additional 7 tanks	5 years (11/10/2016)	@EPA	**Done** DCA contract task
	29(b) 5	84	RRRR 7 additional tanks	5 years (11/10/2016)	@EPA	**Done** PMO executed procurement
	29(b) 6 i	85	RRRR 10 additional tanks	**06/30/2023**	@EPA	In Progress, expected to meet the 02/11/2021 Court Order Extension 06/30/2023
	29(b) 6 ii	86	RRRR remaining tanks	**06/30/2023**	@EPA	In Progress, expected to meet the 02/11/2021 Court Order Extension 06/30/2023
	29(c)	87	In Quarterly / Annual Report	Quarterly / Annual Report	@EPA	**Ongoing** GWA Compliance Repeats Quarterly
Section III REPORTING REQUIREMENTS	31(a)(1)	88	Quarterly Report	Jan., April, July, Sept. Continuous	@EPA	**Ongoing** Due by the 30th of the specified months
	31(a)(2)	89	Reports on Non Compliance	Within 30 days from determination of delay	@EPA	**Ongoing** As determined by GWA
	31(b)	90	SSO and Bypass Report	Jan., April, July, Sept. Continuous	@EPA	**Ongoing** Due by the 30th of the specified months
	31(c)	91	Annual Report	January each year	@EPA	**Ongoing** Included with 31(a) each Year
Section IV NOTICES	35	92	CO contacts		@EPA	**Ongoing** GWA Compliance report 06/29/2016
	36	93	Formal notices of change in CO contacts	Whenever specified staffing changes	@EPA	**Ongoing** GWA Compliance report 06/29/2016

GUAM WATERWORKS AUTHORITY

Engineering Monthly Report
February 2022

Prepared By:

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

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

Potable Water

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
PW 05-01	Ground Water Disinfection	$ -	N/A	N/A	$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	$ -	N/A	N/A	$ -	N/A	N/A
PW-05-05	"A Series Well Transmission Line	$ -	N/A	N/A	$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	$ -	N/A	N/A	$ 700,000.00	33.29%	66.71%
PW 05-07	Meter Replacement Program	$ 1,400,000.00	100.00%	0.00%	$ -	N/A	N/A
PW 05-08	Barrigada Tank Repair/Replacement	$ -	N/A	N/A	$ -	N/A	N/A
PW 05-09	Leak Detection	$ 100,000.00	0.00%	100.00%	$ 400,000.00	0.00%	100.00%
PW 05-10	Potable Water System Planning	$ 876,294.00	99.99%	0.01%	$ 400,000.00	0.00%	100.00%
PW 05-11	Implement Ground Water Rule	$ -	N/A	N/A	$ -	N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	$ -	N/A	N/A	$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	$ 250,000.00	44.01%	55.99%	$ 350,000.00	0.00%	100.00%
PW 05-14	New Deep Wells at Down Hard	$ 1,190,000.00	0.00%	100.00%	$ 500,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	$ -	N/A	N/A	$ 550,000.00	0.00%	100.00%
PW 05-16	Master Meters	$ 2,151,539.00	90.70%	9.30%	$ -	N/A	N/A
PW 09-01	Ugum Water Treatment Plant Intake	$ -	N/A	N/A	$ 600,000.00	0.00%	100.00%
PW 09-02	Water Wells	$ 2,500,000.00	6.80%	93.20%	$ 500,000.00	0.00%	100.00%
PW 09-03	Water Distribution System	$ -	N/A	N/A	$ 2,250,000.00	100.00%	0.00%
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	97.98%	2.02%	$ 25,900,000.00	0.00%	100.00%
PW 11-01	Distribution System Upgrades	$ -	N/A	N/A	$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	$ -	N/A	N/A	$ 7,500,000.00	0.00%	100.00%
PW 12-01	Water Audit Program & Water Loss Control Plan	$ 550,000.00	100.00%	0.00%	$ -	N/A	N/A
PW 12-02	Production Plan / Reduce Navy Purchases	$ -	N/A	N/A	$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	$ -	N/A	N/A	$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	$ 1,220,000.00	100.00%	0.00%	$ -	N/A	N/A
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo#1	$ 1,822,133.00	100.00%	0.00%	$ -	N/A	N/A
PW 12-06	Tank Replacement Piti & Hyundai	$ 7,300,000.00	100.00%	0.00%	$ 6,500,000.00	0.00%	100.00%
PW 12-07	Assessment of Malojloj Elevated & Yigo Elevated	$ -	N/A	N/A	$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	$ -	N/A	N/A	$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	$ -	N/A	N/A	$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	$ 1,200,000.00	99.70%	0.30%	$ -	N/A	N/A
MP-PW-Pipe-01	Astumbo Zone Piping				$ -	N/A	N/A
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping				$ -	N/A	N/A
MP-PW-Pipe-03	Harmon Cliffline Piping to Route 1				$ -	N/A	N/A
MP-PW-Pipe-04	Hyundai Well Piping				$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-05	Kaiser Zone Looping				$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment				$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-07	Mataguac BPS Suction Piping				$ 500,000.00	3.40%	96.60%
MP-PW-Pipe-08	Nimitz Lower BPS Piping				$ -	N/A	N/A
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment				$ -	N/A	N/A
MP-PW-Pipe-10	Miscellaneous Piping Projects				$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-11	Miscellaneous Piping Connections				$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-12	Rehabilitation and Replacement Program				$ 2,000,000.00	12.79%	87.21%
MP-PW-Pipe-13	2-Inch Pipe Replacement Program				$ 3,330,000.00	0.00%	100.00%
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program				$ -	N/A	N/A
MP-PW-Pipe-15	PRV Rehab and Replacement				$ 2,050,000.00	0.00%	100.00%
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program				$ 250,000.00	0.00%	100.00%
MP-PW-Pipe-17	Cross Island Highway Piping				$ 100,000.00	0.00%	100.00%
MP-PW-Tank-22	Existing Tank Inspections				$ 150,000.00	0.00%	100.00%
MP-PW-Tank-23	Recurring Tank Inspections				$ 400,000.00	0.00%	100.00%
MP-PW-BPS-01	Rehabilitate and Replace BPSs				$ 409,000.00	0.00%	100.00%
MP-PW-BPS-02	Nimitz Hill Upper BPS				$ 48,000.00	0.00%	100.00%
MP-PW-BPS-03	Route 15 BPS				$ -	N/A	N/A
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project				$ 380,000.00	0.00%	100.00%
MP-PW-SWTP-02	Ugum SWTP Intake Modifications				$ 1,174,000.00	0.00%	100.00%
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements				$ 1,150,000.00	22.84%	77.16%
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project				$ -	N/A	N/A
MP-PW-Well-01	Well Rehabilitation Program				$ 3,600,000.00	0.00%	100.00%
MP-PW-Well-02	Well Equipment Overhaul Program				$ -	N/A	N/A
MP-PW-Well-03	Capacity Enhancement – Well Exploration Program				$ 500,000.00	0.00%	100.00%
MP-PW-Well-04	Capacity Enhancement – Well Development and Construction				$ -	N/A	N/A
MP-PW-Well-05	Wellhead Protection Program				$ 300,000.00	0.00%	100.00%
MP-PW-Well-06	Well Repair Program				$ 1,200,000.00	0.00%	100.00%
MP-PW-Misc-01	South Guam Water Supply Study				$ 100,000.00	0.00%	100.00%
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement				$ 750,000.00	85.59%	14.41%
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance				$ -	N/A	N/A
MP-PW-Misc-04	OneGuam Program				$ 100,000.00	0.00%	100.00%
MP-PW-Misc-05	Leak Detection Assistance				$ 150,000.00	0.00%	100.00%
DoD-3	Rehabilitation and New NGLA Monitoring Wells				$ -	N/A	N/A
		$ 81,331,136.00			$ 66,291,000.00		

Wastewater

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
WW 05-04	Wastewater System Planning	$ 312,983.00	100.00%	0.00%	$ 150,000.00	56.32%	43.68%
WW 05-05	Wastewater Vehicles	$ -	N/A	N/A	$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	$ -	N/A	N/A	$ -	N/A	N/A
WW 09-01	Lift station upgrades	$ 1,714,755.00	70.04%	29.96%	$ 1,050,000.00	9.21%	90.79%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	$ 1,055,478.00	43.06%	56.94%	$ 1,400,000.00	0.00%	100.00%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	$ -	N/A	N/A	$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	$ -	N/A	N/A	$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	$ 25,048,522.50	88.62%	11.38%	$ -	N/A	N/A
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	$ 252,105.00	89.65%	10.35%	$ -	N/A	N/A
WW 11-08	Agat/Santa Rita STP Replacement	$ 2,226,659.06	77.75%	22.25%	$ -	N/A	N/A
WW 12-01	Northern District WWTP Primary Treatment Upgrade	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-04	I&I SSES Southern	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-05	I&I SSES Central	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-06	I&I SSES Northern	$ -	N/A	N/A	$ -	N/A	N/A
WW 12 -07	Umatac Merizo Replacement	$ 20,952,871.63	99.87%	0.13%	$ -	N/A	N/A
WW 12-08	Wastewater System GIS & Mapping	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-09	Wastewater Facility Back Up Power	$ -	N/A	N/A	$ -	N/A	N/A
WW 12-10	Wastewater System Asset Inventory	$ -	N/A	N/A	$ -	N/A	N/A
WW 17-01	Wastewater Sewer System Expansion	$ -	N/A	N/A	$ -	N/A	N/A
WW 17-02	Northern District WWTP Secondary Treatment Upgrade	$ -	N/A	N/A	$ -	N/A	N/A
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program				$ 1,970,000.00	0.00%	100.00%
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement				$ -	N/A	N/A
MP-WW-Pipe-03	Route 1 Piti Pipe Rehabilitation/Replacement				$ 940,000.00	0.00%	100.00%
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement				$ 657,000.00	0.00%	100.00%
MP-WW-Pipe-05	Agana Heights Pipe Replacement				$ -	N/A	N/A
MP-WW-Pipe-06	Northern District Route 1 Capacity Replacement - Phase 1				$ -	N/A	N/A
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 2				$ -	N/A	N/A
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 3				$ -	N/A	N/A
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1				$ -	N/A	N/A
MP-WW-Pipe-10	North Dededo Capacity Replacement - Phase 2				$ -	N/A	N/A
MP-WW-Pipe-11	Route 16 Capacity Replacement				$ -	N/A	N/A
MP-WW-Pipe-12	Barrigada Capacity Replacement				$ -	N/A	N/A
MP-WW-Pipe-13	Mangilao Capacity Replacement				$ -	N/A	N/A
MP-WW-Pipe-14	Dededo Capacity Replacement				$ -	N/A	N/A
MP-WW-Pipe-16	Yigo Capacity Replacement				$ -	N/A	N/A
MP-WW-Pipe-17	Mamajanao Capacity Replacement				$ 814,000.00	0.00%	100.00%
MP-WW-Pipe-18	Agat-Santa Rita Capacity Replacement - Phase 1				$ -	N/A	N/A
MP-WW-Pipe-19	Agat-Santa Rita Capacity Replacement - Phase 2				$ -	N/A	N/A
MP-WW-Pipe-20	Agat-Santa Rita Capacity Replacement - Phase 3				$ -	N/A	N/A
MP-WW-Pipe-21	Baza Gardens Capacity Replacement - Phase 1				$ -	N/A	N/A
MP-WW-Pipe-22	Baza Gardens Capacity Replacement - Phase 2				$ -	N/A	N/A
MP-WW-Pipe-23	Baza Gardens Capacity Replacement - Phase 3				$ -	N/A	N/A
MP-WW-Pipe-24	Umatac-Merizo Capacity Replacement				$ -	N/A	N/A
MP-WW-Pipe-25	Piping Near Bayside Lift Station				$ -	N/A	N/A
MP-WW-Pipe-26	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	11.16%	88.84%
MP-WW-Pump-02	Tumon Basin - Fujita Lift Station Analysis				$ 9,600,000.00	0.00%	100.00%
MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)				$ 1,301,000.00	0.00%	100.00%
MP-WW-WWTP-01	Hagåtña WWTP Primary Treatment Repair/Rehabilitation Program				$ -	N/A	N/A
MP-WW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade				$ -	N/A	N/A
MP-WW-WWTP-03	Inarajan WWTP Repair/Rehabilitation Program				$ -	N/A	N/A
MP-WW-WWTP-04	Pago Socio WWTP Pump Station Conversion				$ -	N/A	N/A
MP-WW-WWTP-05	Umatac-Merizo WWTP Repair/Rehabilitation Program				$ -	N/A	N/A
MP-WW-WWTP-06	Agat-Santa Rita WWTP Repair/Rehabilitation Program				$ -	N/A	N/A
MP-WW-WWTP-07	Baza Gardens Cross Island Pipeline - Preliminary Treatment Equipment Repair and Rehabilitation Program				$ -	N/A	N/A
MP-WW-WWTP-08	Northern District WWTP Completion				$ 7,500,000.00	54.30%	45.70%
MP-WW-WWTP-09	Ocean Outfall Inspection Program				$ 100,000.00	0.00%	100.00%
MP-WW-Misc-01A	Update Wastewater Collection System Model (Major Update)				$ -	N/A	N/A
MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)				$ 50,000.00	0.00%	100.00%
MP-WW-Misc-02	I/I and SSES Assessments				$ 50,000.00	0.00%	100.00%
MP-WW-Misc-03	Miscellaneous Wastewater Improvements				$ 500,000.00	0.00%	100.00%
MP-WW-Misc-04	Fats, Oils, and Grease Study				$ 50,000.00	0.00%	100.00%
DoD-01	NDWWTP Secondary Treatment Capacity 12MGD				$ -	N/A	N/A
DoD-02	Northern Systems Wastewater System				$ -	N/A	N/A
		$ 51,563,374.19			$ 44,989,000.00		

Electrical Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
EE 05-02	SCADA Pilot Project	$ -	N/A	N/A	$ -	N/A	N/A
EE 09-01	Wastewater Pumping Station Electrical Upgrade	$ -	N/A	N/A	$ -	N/A	N/A
EE 09-02	Electrical Upgrade - Water Wells	$ -	N/A	N/A	$ -	0.00%	0.00%
EE 09-03	Electrical Upgrade - Water Booster	$ -	N/A	N/A	$ -	N/A	N/A
EE 09-04	Electrical Upgrade - Water Booster	$ -	N/A	N/A	$ 150,000.00	0.00%	100.00%
EE 09-05	Electrical Upgrade - Other Water	$ -	N/A	N/A	$ 100,000.00	0.00%	100.00%
EE 09-06	SCADA Improvements - Phase 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	75.19%	24.81%	$ -	N/A	N/A
MP-Gen-EE-01	SCADA Implementation Phase A2 – Initial Project Completion				$ 4,250,000.00	0.00%	100.00%
MP-Gen-EE-02	SCADA Implementation Phase B – Additional Sites				$ -	N/A	N/A
MP-Gen-EE-03	SCADA Implementation Phase C – Additional Instruments				$ -	N/A	N/A
MP-Gen-EE-04	SCADA System Improvement Program				$ -	N/A	N/A
		$ 5,455,615.00			$ 4,570,000.00		

Miscellaneous Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
MC 05-01	Laboratory Modernization	$ 1,127,000.00	100.00%	0.00%	$ -	N/A	N/A
MC 05-02	Land Survey	$ 1,260,524.00	98.82%	1.18%	$ -	N/A	N/A
MC 09-01	General Plant Improvements	$ 1,543,760.00	77.39%	22.61%	$ -	N/A	N/A
MC 15-01	Information Technology Intergration Improvements	$ 664,412.00	78.85%	21.15%	$ -	N/A	N/A
MP-Gen-Misc-01	GWA Systems Planning				$ 550,000.00	90.03%	9.97%
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	88.47%	11.53%
MP-Gen-Misc-05	GWA Infrastructure Improvements				$ 2,500,000.00	4.59%	95.41%
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%
		$ 4,595,696.00			$ 7,650,000.00		

	2016 Bond Allotment	2020 Bond Allotment
CIP Water	$ 81,331,136	$ 66,291,000
CIP Wastewater	$ 51,563,374	$ 44,989,000
CIP Electrical	$ 5,455,615	$ 4,570,000
CIP Miscellaneous	$ 4,595,696	$ 7,650,000
	$ 142,945,821	**$ 123,500,000**

Bond Fund	Construction Fund Amount ($M)	Estimated # of months fund available for use		Total Funds encumbered to date ($M)***	% of fund used	Rate of Spending: ($M) per year
2005	$82.930	82	*	$82.930	100.00%	12.14
2010	$87.656	131	**	$84.706	96.63%	7.76
2013	$140.819	93	**	$137.865	97.90%	17.79
2016	$142.946	63	**	$131.413	91.93%	25.03
2020	$123.590	18	**	$10.913	8.83%	7.28

* End date November 2013 via CCU Resolution 06-FY2014
** Includes the month of January 2022
*** Includes Expenses Only

B. Projects Procurement

Percentage Key:

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

- Red text anywhere indicates a change from the last report.

BOX KEY FOR PROCUREMENT:

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

BID PACKAGE PW 09-02	**New Well Construction (AG-10-Y-8 & AG-12)**	
<50% Complete	**Activities/Notes:** GWA engineering continuing discussion with Dept. of Agriculture and lessee on options of acquisition of property for well site at AG-12. Internal GWA discussions underway for survey and appraisal services. GWA executed Change Order with GHD to update the design plans specific to the new well locations.	
Project Description:	The project is to construct three new production wells for GWA as well as installation of a water main to connect the new production wells to the Ysengsong Reservoirs.	

RFP PW 09-02	**New Well Construction** **(Construction Management)**	
<50% Complete	**Activities/Notes:** SOW being developed	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of up to three (3) new production wells for GWA. GWA plans to increase source water production to improve system redundancy that allows for operating the water production wells more effectively. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

RFP USEPA	**Design of 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.	

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. AECOM revised Plans/Specs for Rebid and submitted for GWA review on 12/17/2021. Currently under review. EPA funding for A-series project has been transferred to Rte. 1, Phase 2 Sewer: Construction, Deepwell Abandonment: Design, Santa Rita Springs Rehab: Design, and Water Hydraulic Model (Pressure Zone Realignment): Construction.	

Project Description:	Work to be performed under this project consist of rehabilitating four (4) existing production well sites including development, testing and permitting of a new production well.

BID PACKAGE EE 09-02, EE 09-05 MP-PW-WELL-06	**Deep Well Power Line Conditioner Pilot Project**	
<50% Complete	**Activities/Notes:** Project Engineer submitted a draft of the design-build bid. Pending Supervisor review. Drawings and specifications revised. Additional site information is needed to complete the drawings. Preparing additional drawings. Drawings and specifications to be completed in February 2022.	
Project Description:	The project is a pilot project to install and evaluate the effectiveness of a power line conditioner for providing “clean” incoming power for a GWA deep well. Evaluation includes transient and surge protection and suppression, under/over voltage correction and protection, phase imbalance correction and protection, and capital and operation costs/savings.	

BOX KEY FOR PROJECT:

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

C. CIP Water Section

INSPECTION PW 05-02	**Inspection & Maintenance Repairs to GWA Island-Wide Steel Water Tank Reservoirs Phase II** **(DCA)**	**Start Date:** April 2010
93% Complete	**Activities/Notes:** Remaining work is API inspection, API report, structural inspection, tank bypass planning, and partial construction for the repair work. ID/IQ contract approved on 03/03/2021.CM work is under the ID/IQ. Ongoing CM inspection services for the following sites: ● Yigo no. 3 steel tank repair ● Agat-Umatac steel tank repair ● Windward Hills steel tank repair ● Santa Ana BPS upgrade for tank bypass ● Geus BPS upgrade for tank bypass ● Toguan BPS upgrade for tank bypass ● Malojloj bypass Continuing review of submittal, RFIs, and project payments. Conducting meetings.	**Completion Date:** To be determined (TBD)
CO 38C	Engineering inspection services	
Project Description:	The Court Order requires GWA to inspect all active and in some cases inactive water reservoirs. The inspection results will allow GWA to determine if a reservoir requires repair or replacement.	

DESIGN PW 05-12	**Brigade II BPS Upgrade** **(EM Chen)**	**Start Date:** April 2012
100% Complete (Basis of Design) 99% Complete (Design)	**Activities/Notes:** Design specifications submitted for review on 09/29/2021. Updated design drawings are still pending.	**Completion Date:** TBD

	Last follow up sent to Alan Chen on 09/29.	
N/A	Engineering design services	
Project Description:	The design project is intended to assess system water supply feed from the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and resize the pumps to me system head requirements.	

DESIGN PW 09-11	**Northern and Southern Guam Reservoir Design (TG Engineers)**	**Start Date:** May 2015
90% Complete	**Activities/Notes:** Ugum Reservoir Design is at 90%. Designer is working towards 100%. TGE submitted cost for new instrumentation building and continuation of meetings. Engineering to discuss and negotiate change order cost. Resolution approved to increase project amount to fund Change Order (CO) no. 6. TGE resubmitted their adjusted CO no. 6 for GWA review. Amount reduced due to number of meetings held. SEARCH provided a date of February to submit the revised AMDP to GWA for review. GWA brought up the issue of availability of the cased hole drilling rig for the Ugum tank. TGE is proposing to include an alternative bid for pre-cast drive piles. This issue to be discussed further in upcoming meetings. TGE will submit a CO scope of work and cost to design pre cast pile foundation. Inarajan and Agfayan Booster Pump Station Biological Assessment and Archaeological report are pending. TGE proceeding with design at both sites. Letter of interest/purchase to DLM/CLTC for Lot 28 is in process. Waiting for CLTC to inform GWA on their choice of appraisal company. DLM/CLTC notified GWA that they would like in-kind services rather than direct payment for the property. GWA to prepare response back to DLM/CLTC. DLM/CLTC has not responded with their choice of appraisal company. TGE provided a letter for GWA review. The letter will request to perform archaeological	**Completion Date:** Completion will be in line with construction completion.

	monitoring during construction in lieu of research design for the Agfayan BPS site. TGE submitted letter to SHPO to perform archaeological monitoring during construction in lieu of research design. <u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update. Santa Rita Tank: The Contractor is preparing a package for submittal to GWA/GHD to perform pre cast piles in lieu CIDH. The cost for the foundation redesign shall be the responsibility of the Contractor. It is GWA's stance that any changes to the foundation, which may include additional piles, shall be borne by the Contractor. AIC is willing to pay TGE $50K to complete design of pre cast piles. TGE is evaluating the cost. TGE to respond to AIC the week of 02/07/2022.	
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
93% Complete	**Activities/Notes:** <u>Tamuning No. 2 Reservoir and Tamuning Booster Pump Station</u> 90% design submitted. Plans are under review by GWA. Per Bobbie, property acquisition letter for Lot 1, Block 5, Tract 1427 has been signed by GM. Property purchase is underway. Parceling map is being prepared. Archaeological survey is pending archaeologist schedule. Biological survey completed. GHD was able to get a hold of John Mark Joseph of SHPO. The archaeologist will begin preparing of the AMDP for submittal to SHPO. Designer is having issues with contacting the sub to perform the archaeological survey. Need approval from GIAA/GEPA for GWA to abandon monitoring well. No update from GEPA. GWA will include a separate bid item for the abandonment of the monitoring well. Once the cost has been received, the cost will be charged to GIAA via existing agreements. <u>Manenggon Reservoir and Access Booster Pump Station</u> 100% design revision submitted. Plans is under review by GWA. Electrical/instrumentation review complete. Biological Assessment report completed. Archaeological report will need to be expanded. Pending archaeologist schedule for additional site visits. GHD/SEARCH is coordinating with SHPO on what will be required. Historical artifacts found at the adjacent lot. Response received from DPR/SHPO. Designer is attempting to contact archaeologist to finish work plan. Archaeologist has been unresponsive. <u>Piti Reservoir</u> DCA and GHD are working to put the bid package together. DCA has already completed the major steel tank repair plan and specifications. GHD is working on site utility plan and specifications.	**Completion Date:** Completion will be in line with construction completion.

	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. GWA did a follow up on this request. National Park Service sent the request to their national office for review and approval. GWA is following up with NPS on request to enter site to conduct archaeological survey. GWA has been following up with NPS on response to enter property to conduct archaeological survey. EOR to contact SEARCH to revise archaeological shovel test locations and resubmit to SHPO. <u>A23-A25 Deepwell (PFAS Treatment)</u> A23 and A25 MOU signed by DPW and GWA. 100% plans and specifications have been submitted to GWA. Planning/Grants is following up with US Army Corp of Engineers for their review and comment. GWA is preparing bid documents concurrently. Grants Section still needs approval from Army Corp before USDOI can issue the grant award and conditions. Grants Section is actively working with Army Corp for clearance. <u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon no. 1, Hyundai, Chaot no. 2 Reservoir Construction for update.	
CO 29 (b)(4)	Engineering design services	
Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti & Tumon #1.	

DESIGN PW 05-15	**Asan Springs Rehabilitation Design (HDR)**	**Start Date:** August 24, 2016
82% Complete	**Activities/Notes:** HDR submitted a letter to NPS to coordinate the archaeological survey requirements with SHPO. HDR submitted SHPO Letter to NPS for review on 05/29/2021; first comments 07/01, submitted revised SHPO letter 07/12, additional comments 08/09, and submitted final revision 09/15; NPS (Tim Clark) submitted to SHPO 10/20, SHPO responded on 12/28, HDR and NPS reviewing. Biological survey permit from NPS issued on 01/22/2021, and completed on 02/10 at Asan Springs. Preliminary findings from HDR led to the discovery of snails around the project site. Draft of biological survey has been submitted to NPS for review as of 03/29. NPS comments received on 06/04. Final report to NPS sent on 06/12. Had meeting with USFWS, DOAG, NPS and GWA to discuss 10/22 and additionally on 11/30; HDR submitted draft Biological Assessment request to NPS for review before it can be sent to USFWS, and Public scoping document draft still under review with NPS. NPS still reviewing both documents. Affects Section 106 Letter. Environmental Consultation request sent to DOAG and GEPA on 03/15/2021 by Designer. Sent GWA signed follow-up letter to DOAG and GEPA on 06/22. DOAG responded on 07/01, but letter did not reach GWA Engineering until 08/04. GEPA responded on 08/11. Designer reviewing now and will respond accordingly.	**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 fee. Cost must include all disciplines, permit, construction and administration that are necessary to execute the project. All costs will be in current dollars and escalated to the estimated midpoint of construction.

CONSTRUCTION MANAGEMENT PW 12-04, PW 12-06 AND PW 09-11	**Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction Management (TG Engineers, PC)**	**Start Date:** December 2017
95% complete	**Activities/Notes:** As of 01/01/2021, GWA Water CIP Engineering will take over CM duties for remaining work. CM will be onboard for limited services – Eadoc project software management and conducting meetings/meeting minutes. GWA received revised CO no. 2 for review and currently under processing by GWA.	**Completion Date:** December 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
91.2% Complete	**Activities/Notes:** Tumon No. 1 Tumon no. 1 online – 08/20/2020. Working on St. John's PRV. Final outage completed on 09/02/2021. Work remaining is pavement restoration. Pavement restored. Pale San Vitores PSRV and FM Outlet interconnect line is 66% complete. Interconnecting line has been completed. Contractor will begin on new PSRV and flow meter vault on the 12" line. CCR submitted by the Contractor for the additional potholing, paving, and newly discovered 8 in. interconnect. CCR signed. Barrigada Heights No. 1 (Hyundai) Barrigada Heights no. 1 online – 10/09/2020. Booster pump skid arrived. Contractor is actively working on installing the pump skid and associated equipment. Temporary piping installed at the Hyundai tank. Pressure testing completed. Working with Contractor and GWA Operations to put portion of line into service. Contractor is working on correction to the electrical system. Awaiting signed drawings from EOR to submit to DPW for approval. Contractor to submit a commissioning plan for the BPS. Working on design plan to permanently use the Steel Temp Tank. Additional funding will need to be identified for the work. Decision has been made by GWA to not re-pipe the site. Barrigada Contractor working on electrical for booster and PRSV station. GPA addressed the incoming unbalanced power. Contractor confirmed that power issue has been resolved. Barrigada No. 1 interior coating repairs have been completed. DFT testing scheduled this week.	**Completion Date:** TBD (Completion date has passed. Pending time extension for permit delays.)

	<u>Chaot No. 2</u> Chaot No. 2 tank online – 09/02/2020. Contractor working on A-series well, Dero Rd connection to Leo Palace line, chlorination system improvements and miscellaneous improvements. Tank distribution and Leo Palace line has been completed. Two more outages are needed to complete line work on main roads. Awaiting GWA operations to inform Engineering on outage schedule. Two remaining outages are for Route no. 4 valve changeout and disconnection of wells at Spring Lane. <u>Barrigada No. 2</u> DN Tanks completed internal repairs. Negotiating scope and cost with Contractor to repair internal pipe coating.	
	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.	

<u>CONSTRUCTION MANAGEMENT</u> PW 09-11	**Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)**	**Start Date:** April 2018
Completion: Santa Rita - 42% Santa Rosa - 45% Sinifa - 21%	**Activities/Notes:** CO no. 1 issued. Santa Rita NTP issued to CM on 12/14/2020. Santa Rosa NTP issued to CM on 01/11/2021. CM providing standard CM services.	**Completion Date:** Santa Rosa: 455 days from NTP Santa Rita: 485 days from NTP Sinifa: 425 days from NTP.
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

CONSTRUCTION PW 09-11	**Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction (AIC)**	**Start Date:** October 2019
29.1% Complete	**Activities/Notes:** Santa Rosa Reservoir and BPS: New tank foundation, retaining wall, vault, site piping, detention basin, and site piping work are ongoing. All tank walls and columns have been poured. Contractor is working on the tank roof. Roof pour is scheduled for the end of February. Contractor to resubmit CCR for the booster pump station changes. Santa Rita Reservoir: New tank foundation preparation, pile rebar cage, detention basin, vault, and site piping are ongoing. Contractor drilled the first pile hole. Hole experienced partial collapse at 20'. Full drill depth is 40'. Per the geotechnical engineer, the current auger machine will not work with these soil conditions. A hollow stem auger is needed. Marianas Drilling who owns a hollow stem auger is not available until January 2022. Contractor is preparing package and work plan to install pre cast piles in lieu of CIDH (cast-in-place drilled holes). See update on design section. Upper roadway to NPS property is collapsing. This may be due to heavy rainfall and excavation of new water line downhill. Design/CM team to evaluate the issue and prepare solution for contractor to execute. GWA sent a notification letter regarding the slope failure to TGE. TGE does not agree with the cause of the slope failure. TGE presented 4 alternatives to address the slope failure on GWA property. TGE to submit recommendation memorandum this week. Adjacent land owner contacted Senator Telena Nelson's office. A site visit was conducted by GWA, DPW, AIC, Land Owner, Senator's office. Temporary roadway for Mr. Flores has been completed. Sinifa: Foundation and retaining wall complete.	**Completion Date:** Santa Rosa Final Completion – February 13, 2022 Santa Rita Final Completion – March 15, 2022 Sinifa Final Completion – January 14, 2022

	Core wall nos. 1 – 3 have been poured. Piping, vault, and other general site upgrades are ongoing.	
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

CONSTRUCTION PW 05-16 USEPA M9692619	**Pressure Zone Realignment and Tank Repair-Replacement – Phase I (Sumitomo)**	**Start Date:** December 17, 2019 (Notification of Award)
54.2% Complete	**Activities/Notes:** Construction work active at all sites. Construction meetings are ongoing. Clara: Outage for Clara PRV line connection scheduled for 02/11/2022. Ops completed field investigation to secure the necessary lines. Onsite work for electrical installation, backfilling near vaults, etc. ongoing. GTA conduit damage concern being addressed. Situation was raised to GWA Legal counsel and we are awaiting response. Kaiser: Outages for PRV 79 & 80 completed; about 3 outages for site left. Potholing currently ongoing and information found will indicate the amount of work we may need to proceed with. Onsite work for electrical installation, pipe installation, painting, etc still ongoing. Carnation: Installation of SCADA panel/ antenna, and fencing around control room ongoing. Ysengsong: Road re-opened 10/25/2021. SCADA panel and electrical piping are getting installed. Okkodo: Preparing for PRV 30 outage. Targeted for end of February 2022. Other works still ongoing on site. Terao and Maimai: Work ongoing for the installation of vault piping. SMCC payment no. 8 and CO no. 2 (which adds 68 days to contract) processed.	**Completion Date:** January 2022

N/A	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services for the installation of control valves (PRVs, PRSVs), piping, and related electrical upgrades to properly control and measure system flow between zones.	

DESIGN PW 05-12	**Pressure Zone Realignment and Tank Repair-Replacement (GHD)**	**Start Date:** August 2018
Design will be done in Phases. Phase I - 100% (Design) Phase II - 90% (Design) Phase III - 30%	**Activities/Notes:** Designer submitted Phase II 60% plans on 08/04/2020 and reviewed by Water CIP Engineering team on 08/11/2020. Engineering, Operations and designers performed several site visits and investigations for Phase II and III. Resolution for CO no. 3 on Design services for Nimitz Hill Waterline Replacement and Phase II CM services is in the works approved 02/29/2021. CO no. 3 signed by GHD on 03/25/2021 and is with Accounting for processing. Phase II 100% plans is scheduled to be submitted by the end of February. Phase III 30% has been submitted for review.	**Completion Date:**
N/A	Engineering design services	
Project Description:	The design project is intended to assess current and recommended pressure zones, and design and install control valves (PRVs, PRSVs) to properly control and measure system flow between zones. Scope also includes setting up pilot DMAs; and design for new or repaired water tanks needed to complete the court order tank requirements.	

DESIGN, CONSTRUCTION, CONSTRUCTION MANAGEMENT PW 09-11	**Tank Repair and Bypass (AIC)**	**Start Date:** May 1, 2020
36% Complete	**Activities/Notes:** Construction contract effective 04/21/2020. NTP issued 05/01/2020 with modified language for work starting onsite. Agat-Umatac repairs to be completed by 01/31/2022. Remaining work is exterior coating and minor interior paint touch up. Awaiting GEPA approval to place tank back online. Disinfection has been completed. Yigo no. 3 repairs to be completed by 01/31/2022. Remaining work is welding wall back and performing repairs to the wall. Minor interior coating will be completed this week. Tank is scheduled for disinfection next week. Astumbo no. 1 delayed due to presence of lead paint. Change order approved for lead abatement at tank. Scheduling Island Certs to perform further API inspection on tank wall which has active corrosion. Inspection completed. Pending CCR resubmittal for additional wall plate replacement. Windward Hills repair ongoing. Contractor will begin cutting wall for access into the tank to begin interior repairs – floor replacement, column repair, metal repair, interior coating and other miscellaneous metal repair. Contractor poured the first section of the new concrete tank floor. Santa Ana bypass work is ongoing. Pump and motor control no. 1 installed. Pending test before moving to pump no. 2. Ladda PSRV installed. Pigua PSRV installed. Malojloj bypass work ongoing. Work will be split into two separate outages due to the time required to place the system back online. Outage no. 1 completed last week. Outage no. 2 scheduled for this week. Gues BPS work ongoing. Contractor installed pump skid. Working on piping and electrical.	**Completion Date:** TBD (Dependent on repairs required after inspection)

	Togan BPS work ongoing. Contractor working on piping and electrical.	
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. CO no. 8 to complete final plan set and engineer estimate is under negotiation with GHD.	**Completion Date:** TBD
N/A	Engineering Design Services	
Project Description:	The design project is intended to design 3 new wells to increase production capacity. The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, construction schedule, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction.	

CONSTRUCTION PW 14-01	**Fire Hydrant Replacement Phase I** **(Mega United Corporation, Ltd.)**	**Start Date:** October 19, 2019
71% Complete	Based on COP no. 05, a total of 51 FH was installed in 12/30/2021 with the last FH materials received by Mega United. GWA is out of stock on FH materials to supply Mega United under OFCI project causing discontinuance of FH installation. On 01/01/2022, Mega United submitted CO no. 02 proposal to charge GWA $500.00 per day to cover the construction lost time from 01/03/2022 until arrival of FH materials. A zoom meeting was held last 01/31/2022 between GWA and Mega United to discuss the proposed CO no. 02. GWA offers Mega United the amount of $12,999.00 for remobilization in lieu of the uncertain $500.00 per day until the arrival of FH materials. In this meeting, GWA also mentioned about the possible termination of contract with Mega United. Mega United did not decide on the acceptance of any offers. On 02/03/2022, GWA received a revised proposal for CO no.02 from Mega United replacing the $500.00 per day charge into Mobilization and Demobilization Charge of $25,991.00. Final decision for CO no. 02 is still pending.	**Completion Date:** April 23, 2022
Project Description:	The work performed under this project consist of replacing the dry barrel fire hydrants with wet barrel type fire hydrants. The replacement will involve removal of defective fire hydrant laterals, gate valves, hydrant stem and barrel and other appurtenances necessary to complete the project.	

CONSTRUCTION PW 05-07	**Groundwater Well Production Meter Replacement Project (Giant Construction)**	**Start Date:** April 29, 2020
98.26% Complete	**Activities/Notes:** Contractor completed installation of above-ground discharge piping for deep wells: Y-23, Y-09, Y-17, Y-07, F-15, HGC-2, M-18, D-26, Y-20, F-18, Y-19, F-13, D-27, D-25, Y-12, Y-18, F-17, Y-14, Y-21A, Y-10, Y-22, A-13, EX-05, A-10, Y-15, H-01, D-01, AG-02, F-02, and F-04. To date, 30 deep wells were completed as required by the project scope. A 'Substantial Completion' inspection was scheduled on 10/11/2021 and corrective actions were completed on 11/29/2021. A CO no. 4 was approved on 10/20/2021 extending the contract date to 01/14/2022 allowing enough time to process CO no. 5 that will add 15 critical production wells listed in Additive Bid no. 1 to the existing contract. The request for CO no. 5 was approved by CCU on 10/26/2021 and PUC on 10/28/2021. A formal CO no. 5 was routed to Accounting on 11/03/2021 and was signed by the GM on 12/06/2021. Contractor was issued the signed CO no. 5 and was advised to proceed ordering the materials (except water meter) for the next 15 wells as per approved shop drawings dated 11/15/2021. Contractor submitted a new model version (5W8C) of Endress Hauser Promag W800 and not the older version 5W8B used for the first 30 wells. Review of the meter's new version is in progress. CO no. 6 extending the contract time by 215 calendar days was sent to Finance/Legal Counsel on 01/06/2022. Awaiting approval.	**Completion Date:** July 9, 2022 (pending approval of CO)
	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.	

DESIGN AND CONSTRUCTION PW 09-03	**Casimiru Waterline Replacement Project (Giant Construction)**	**Start Date:** February 13, 2021
65% Complete	**Activities/Notes:** The final design drawings were approved 08/03/2021. Contractor submitted Building Permit application to DPW on 08/05. On 08/11/2021, the permit clearance was submitted to Historic Preservation Office (HPO), DPR. On 09/30/21, the Contractor received Certificate of Approval from HPO. DPR requires an Archaeologist to conduct Research Design for Archaeological Monitoring and Discovery Plan. SHPO states this project has the potential to affect historic properties that are 840 feet away. A letter was sent to SHPO asking for clarification on how the project will affect the historic properties located 840 feet away. SHPO has not responded to this letter. All material piping materials arrived on island. The Contractor is ready to proceed with the excavation as soon as the permit is issued. The GM met with Acting DPR Director on 10/26 and discussed the concern re-requirement for AMDP. GM followed the discussion with an email the same day. DPR signed the HEP on 11/15/2021. HEP and Building Permit was released first week of December 2021. Contractor submitted a claim for the 90-day time extension on 01/25/22 due to late approval of permits. Processing CO for no-cost time extension. The project sign was installed. At the end of January 2022, about 2,100 feet of pipe has been installed out of 2,550 feet total.	**Completion Date:** May 9, 2022 (pending approval of CO)
	Design and Construction services	
Project Description:	Work to be performed under this project shall consist of design and construction of existing ACP replacement. Approximate length of existing waterline to be replaced is 2,750 feet. Construction management is performed in-house.	

CONSTRUCTION PW 09-03 MP-PW-PIPE-12	**Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement (Giant Construction Corporation)**	**Start Date:** May 17,2021
8% Complete	**Activities/Notes:** Securing building permit. Received SHPO comments on 01/18/2022. Archaeologist (SEARCH) submitted the revised archaeological design plans to DPR-SHPO on 01/28/2022. Waiting for DPR-SHPO comment/approval.	**Completion Date:** June 16, 2022
Project Description:	Work to be performed under this project consist of replacing an existing 6-inch asbestos cement pipes (ACP) with new 8-inch polyvinyl chloride (PVC) water line along Tai Road; replacing an existing 2-inch water line with a new 6-inch water line along S-13; disconnecting existing branch water lines, service connections and other water appurtenance connections from an existing 6-inch ACP water line and reconnect to existing 12-inch PVC water line along Canada-Toto Loop; and replacing an existing 6-inch ACP water line with new 6-inch PVC water line along Blas Street.	

CONSTRUCTION MANAGEMENT PW 09-03	**Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement (DCA)**	**Start Date:** May 7, 2021
0% Complete	**Activities/Notes:** Assisting project contractor to obtain permits and clearances from various related agencies.	**Completion Date:** Based on 13-month continuous construction period
Project Description:	Work to be performed is awarded under Task Order no. 2 for CM services under the ID/IQ For Professional Project Management and Construction Management Services contract with DCA. Work under this task order is to provide construction management and inspection services for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement project.	

PROJECT MANAGEMENT, PROCUREMENT SUPPORT & CONSTRUCTION MANAGEMENT MP-PW-SWTP-03	**Ugum Water Treatment Plant Rehabilitation (DCA)**	**Start Date:** July 6, 2021
61.06% Complete (Basic Services) 46% Complete (Based on Total Contract Amount)	**Activities/Notes:** The draft Assessment and Procurement Report and Bid Schedule were submitted on 08/19/2021. Work on gathering more information to complete the assessment-procurement report and bid schedule is ongoing. Coordination with material suppliers has started. This coordination work is for the purpose of preparing the specifications. Draft Procurement (Bid) package was submitted 10/06/2021. Review comments sent to DCA on 10/26/2021. After discussion with Ugum Operators, additional comments were sent to DCA on 10/27, including furnishing 2 1-ton chlorine containment vessels inside the chlorine room. Because additional comments were not received on time, the October target date for the final submittal was moved to first week of November 2021. A second invoice for $61,498.20 was approved on 10/18/2021 bringing the total payment to $120,925.20. DCA submitted on 12/08/2021 a revised “draft” final submittal that includes Procurement Report, Specifications, cost estimate, and Bid Form. DCA need confirmation from Operations on some items before submitting a “final” final report. DCA encountered delay in getting clarification from material vendors regarding questions from Ugum operations. Final submittal expected first week of February 2022. DCA estimated the project to cost $4,275,250.	**Completion Date:** December 3, 2021 (Delayed as stated in the Activities/Notes)
	Project Management, Procurement Support and Construction Management services	

Project Description:	Work to be performed is awarded under Task Order no. 3 under the ID/IQ for Professional Project/Construction Management Services contract with DCA. Work will consist of assessment/site investigation of existing condition of the plant, preparation of schedule, procurement documents, relevant permits, construction bid support services, and response to request for interpretation/information, construction management services for the plant rehabilitation.

IN-HOUSE DESIGN AND CONSTRUCTION PW 09-03	**Balaku Street and Borja Street Replacement Project (GWA)**	**Start Date:** June 21, 2021
14% Complete	**Activities/Notes:** All required clearances for Building permit have been secured. Permit was sent to DPW on 09/29/2021 for final approval. On 10/26/21, Highway Encroachment Permit section notified GWA that a $525.00 fee is required before the permit is released. Of this amount $500.00 is refundable upon satisfactory restoration of damaged pavement. On 10/27/2021, a request was sent to Accounting to process a check to Treasurer of Guam for $525.00. The separate permit fee assessed by DPW in the amount of $1,955.25 has been waived. HEP and Building permits were released on 11/4/2021 and copy sent to Operations. Operations plans to start excavation by mid-January 2022. Operations unable to start the project as scheduled. The HEP was extended for 2 months (from 01/15/2022 to 03/15/2022). GIS/Survey completed establishment of the R-O-W boundary and lot corners. Operations will start excavation at Balaku Street first week of February.	**Completion Date:** March 15, 2022
	Design and Construction services	
Project Description:	Work to be performed under this project shall consist of in-house design and construction of waterline replacement in Balaku Street in the village of Barrigada and Borja Street in the village of Sinajana. Approximately 450 feet of 4-inch waterline will be installed in Balaku Street and 500 feet of 6-inch waterline in Borja street.	

D. CIP Wastewater Section

DESIGN WW 09-06	**Bayside SPS Improvements Design (EMPSCO)**	**Start Date:**
84% Construction Services	**Activities/Notes:** Mechanical piping layout at the basement and ground floor installed, pressure pipe testing completed. Installation of submersible pump at wet well completed, but not the installation of transducers stilling well. Continuous review of submittal, shop drawings, and RFIs. CO no. 2 executed; Completion date adjusted to 03/24/2022. Potential CO no. 3 to include adjustment of exhaust vents, railing, additional eye bolts, time. Billing nos. 4 paid; Billing no. 5 is with Finance (using EJCDC format). Fencing around site completed, louvers and railing installed, and hoist beam in place; waiting on some additional materials placed with execution of CO no. 2 (support beams, hatches). First attempt of generator commissioning took place on 01/04/2022; Generator commissioned on 01/12. Submitted O&M manuals to GWA on 01/21. Advised Contractor to start preparing O&M, close out documents.	**Completion Date:** March 24, 2022
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 MP-WW-PIPE-01	**Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation (Ian Corporation)**	**Start Date:** May 3, 2021
10.2% Complete	**Activities/Notes:** Electrical layout of conduit/wiring at the Main Control Room. Plumbing rough-ins in the water closet and wet well. Coating/painting works for interior walls and railing. Contractor continues to procure/submit materials/submittals, shop drawings, RFIs, substitution requests for approval. Power pedestal work commences/ongoing.	**Completion Date:** May 29, 2022
Project Description:	Work to be performed under this project consist of demolition of existing building features and equipment, including the existing power pole and power meter, plumbing fixtures and piping, water service piping, electrical system, ventilation system, building fascia and monorail beam and construction of rehabilitation and flood mitigation features including structural wall repairs, flood barrier gates, raised louver sills, cantilever monorail beam, elevated platforms, ventilation system, site work, site water piping, utility tie-in connections, protective coatings, electrical system, instrumentation and controls, testing, startup, and appurtenant work.	

CONSTRUCTION MANAGEMENT WW 09-01	**Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation (DCA)**	**Start Date:** May 3, 2021
8.3% Complete	**Activities/Notes:** CM submitted their 2nd invoice; currently under GWA review.	**Completion Date:** May 29, 2022
Project Description:	Work to be performed under this project consist of demolition of existing building features and equipment, including the existing power pole and power meter, plumbing fixtures and piping, water service piping, electrical system, ventilation system, building fascia and monorail beam and construction of rehabilitation and flood mitigation features including structural wall repairs, flood barrier gates, raised louver sills, cantilever monorail beam, elevated platforms, ventilation system, site work, site water piping, utility tie-in connections, protective coatings, electrical system, instrumentation and controls, testing, startup, and appurtenant work.	

E. CIP Engineering Support

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:** Negotiate changes to the remaining tasks to better align with current state of the system ongoing. Scoping details discussed. AECOM preparing proposal. GWA received RFI from AECOM.	**Completion Date:** November 2017 - Design December 11, 2019 - (Bid and Construction Support)
N/A	Engineering design services	
Project Description:	The A/E firm will design an integrated, robust and secure Supervisory Control and Data Acquisition (SCADA) system for GWA's water and wastewater systems, and to provide support services during bid and construction. The 22 sites will consist of a combination of water facilities such as production wells, reservoirs, booster pump station and wastewater sites include sewer treatment plants and sewer pump stations. Executed by approved change orders, number of sites in original design scope has changed from 22 sites to 19 sites and design of High Water Alarm for 20 critical sewer pump stations has been added. Scope also includes bid and construction support of the design-build project of GPWA SCADA EMS project.	

F. GIS Section

MAPPING MC 05-02	**Island Wide Survey-** **(Duenas, Camacho & Ass.)**	**Start Date:** December 2007
99% complete	**Activities/Notes:** Still on hold for the Tumon no.1 Tank (aka Airport Tank).	**Completion Date:** October 2019
	Survey services	
Project Description:	The contracted land surveyor is required to conduct title research, property valuation and mapping of property boundaries where GWA facilities are located, including the lots which are not registered under GWA's name.	

MAPPING MC 05-02	**Island Wide Survey PH II -** **(Duenas, Camacho & Ass.)**	**Start Date:** August 30, 2017
80% complete	**Activities/Notes:** Contract Extension Date approved on 08/18/2021.	**Completion Date:** December 31, 2021 (Extension Date)
	Survey services	

Project Description:	The work performed under this project procurement shall consist of a professional land surveyor conducting field work to mark corners of existing government properties as a means of severing out portions of the larger property to be deeded to GWA. Surveyor shall also prepare all necessary maps and documents for recording at DLM.

G. Permits Section

PERMITS
MONTHLY REPORT 2022

	2022												
Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	**TOTAL**
Building Permit	27												27
Occupancy Permit	11												11
New Installation	12												12
Sewer Application	0												0
Sewer Inspection	0												0
Private Utility Acceptance	0												0
Relocation of Water Meter	0												0
Tapping-Water	0												0
Tapping-Sewer	0												0
Clearance-Water	30												30
Clearance-Sewer	0												0
Highway Encroachment	13												13
Verification of Utilities	10												10
Fire Flow Test	0												0
Schedule Water Outage	0												0

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

AVERAGE PROCESSING TIME FOR COMPLETION (DAYS)
FOR THE CALENDAR MONTH OF JANUARY 2022

	2022											
Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit	24											
Occupancy Permit	0											
New Installation	51											
Sewer Application	0											
Sewer Inspection	0											
Private Utility Acceptance	0											
Relocation of Water Meter	0											
Tapping-Water	0											
Tapping-Sewer	0											
Clearance-Water	3											
Clearance-Sewer	0											
Highway Encroachment	0											
Verification of Utilities	10											
Fire Flow Test	0											
Schedule Water Outage	0											

H. USEPA SRF Project Status Report

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

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

  Percentage Key:

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

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

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

	Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 02/03/2022
3	Asan-Adelup-Hagatna Route 1 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. Archaeological report to be done upon completion of Phase II by CoreTech/Hawaiian Dredging.
				Construction	2	11/9/2018	6/30/2021	$6,275,783.00	InfraTech	CO no. 6 executed. CO nos. 7 signed. Contractor disagrees with two items in CO no. 8. CM and PM conclude that no information to refute the recommendation to GWA as revealed by the contractor.
				Construction (Phase II)		1/26/2021	4/21/2023	$ 8,742,000.00	CoreTech/ Hawaiian Dredging	Contractor secured all required permits. CCTV inspection and initial cleaning completed 07/07/2021. Liner designed and submitted for approval. Point repair completed between MH16 and MH17. The new MH13 installation and new segment from MH13-14 are completed. GWA decided to eliminate Line C and not CIPP the existing lines in lieu of Line C. A resultant change order is being prepared following proposal from CTHD. CO nos. 5 – 10 sent to CTHD for signature on 12/07/2021. No returned to-date. Lining to commence following repair to equipment that broke down.
				CM (Phase II)	2	8/3/2017	3/8/2020	$ 870,610.41	DCA	Working with Contractor on schedule, submittals, responding to RFIs, and assisting in the negotiations of PCO costs. Fee proposal for CM services for Phase II submitted and accepted by GWA. CO to add CM for Phase II executed.
			GWA Chief Engineer	Project / Contract Management		1/22/2020	12/31/2021	$ 476,050.00	B&C	Executed under the IDIQ contract, Task Order 3 (TO3) authorizes Brown and Caldwell to manage and complete the construction of Rte. 1 Sewer Line Rehabilitation and Replacement project in conformance to the contract requirements. Amendment 1 to TO3 is executed to increase scope, cost and schedule to manage and complete the construction of Phase 2. On 09/28/2021, the CCU approved resolution 29-FY2021 authorizing to process Amendment 2 to TO3 to increase time and funding to continue to manage and complete the construction project, and send a notification to the PUC. Amendment 2 to TO 3 approved by Mr. Budasi on 12/15/2021. Approved Amendment sent to John Riegel.

	Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 02/03/2022
7	Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5)	Rehabilitation of existing deep wells and/or in cases where pipe column needs replacing, wells will be re-drilled. The deep wells to be rehabilitated are F-3, A-2, A-7, A-12 & D-5.	G. Watson	Design	6	5/27/2016	2/28/2018 (for design only)	$ 1,758,247.00	AECOM	Bid and Construction Support Services on hold until construction IFB is issued.
				Construction	4					AECOM submitted latest revised drawings and specs for review (12/17/2021). Reviewing and will discuss changes after review.
				CM	4			$ 640,248.00	DCA	DCA was awarded the contract but GWA has not issued NTP until construction is approved.
8	Tumon Sewer Hot Spots	Investigation, evaluation, and repair of possible solutions, to long plaguing issues where sewer overflows are known to occur in Tumon San Vitores.	Brown & Caldwell	Design	7	6/24/2016	10/30/2017 for design only	$ 572,089.00	TG Engineers	TGE to provide engineering services during bid process.
				Construction	See Project 15	12/1/2018	12/31/2019	See Project 15	See Project 15	See Project 15
				CM	See Project 15	5/31/2019	5/31/2020	See Project 15	Am Orient	Procurement 100%: Contract fully executed. CM services to be on hold until bidding restarted.
14	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Talofofo)	Rehabilitation of segments of sewer lines in Windward Hills, Talofofo area where the Sanitary Sewer Evaluation Study recommends rehabilitation.	Brown & Caldwell	Design				*The design was previously completed under bond funding.*		
				Construction	8	8/2/2016	February 2022	$ 1,189,815.00	ProPacific	Santa Rita • Archaeology – Waiting to hear from SHPO on proposed remedial actions along forcemain section. • Task order amendments 1) BC drafting Amendment for contract extension through August 2022 and budget to cover archaeological field work. 2) PPBC construction contract extension to February 2022. Seeking $53k in standby time due to archaeological delay. • Concrete structures poured and completed on 12/30/2021. PPBC continuing work on piping, controls, and electrical.
				CM	8	7/29/2016	5/28/2017	$ 425,756.09	EMPSCO	Closed out. Does USEPA need anything?
			GWA Chief Engineer	Project / Contract Management		6/17/2019	9/30/2021	$ 269,228.00	B&C	Executed under the IDIQ contract, Task Order 4 (TO4) authorizes Brown and Caldwell to manage and complete the construction of Southern SSES Sewer Rehabilitation Phase 2 project in conformance to the contract requirements. Amendments 1 and 2 to TO4 are executed to increase scope of work to include archaeological services, and increase contract time and funding to continue to manage and complete the construction project. Amendment 3 to TO4 is executed to extend completion date to 9/30/2021. On 09/28/2021, the CCU approved resolution 29-FY2021 authorizing to process Amendment 4 to TO4 to increase time and funding to continue to manage and complete the construction project, and send a notification to the PUC. Amendment 4 to TO 4 approved by Mr. Budasi on 12/15/2021. Approved Amendment sent to John Riegel. Amendment 5 submitted for GWA approval. This Amendment extends contract completion date and increases amount for archaeological monitoring.

	Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 02/03/2022
15	Tamuning Sewer Hot Spots	Sewer rehabilitation for lines at Winner Apartments, Segund Leon Guerrero, and behind Guam Premium Outlets.	G. Gattoc	Design	10	9/9/2016	10/31/2017 (for design only)	$ 663,629.00	TG Engineers	TGE to provide engineering support services during bid process and construction.
				Construction	9	1/30/2020	12/31/2020	$ 1,093,955.87	Ian Corporation	Contractor continues work at Site no. 2 • Flowable fill placed for seg. btw. MH-10679A and MH-10679. • Contractor excavates for seg. btw. exist. MH-10679 and proposed MH-10679-X1 • Site visit with EOR/GWA/Contractor to discuss options due to discovered multiple utility crossing conflicts located at proposed location of MH-10679-X1; it was also ascertained, the lateral that was to be intercepted by this MH belongs to New Market Plaza; agreed plan is to cancel MH-10679-X1, install cleanout upstream of lateral, and abandon exist. seg. btw. MH-10679 and cleanout. • Pipe installation work continues btw. MH-563 and MH-564. • Contractor working to provide cost proposal for Additive Bid no. 2 work scope to be excecuted as a change order. • CO no.1 resulting from an unexpected waterline conflict in process with GWA. • GWA reviewing CO Nos. 2 & 3. • 39.64% Completion
				CM	9	3/31/2019	3/31/2020	$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).
16	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.	G. Gattoc	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	5/29/2020	$ 493,818.86	EMPSCO	• Coordination for handover delivery/inspection of two (2) trailer mounted generators from contractor to GWA in progress. • Walk-through inspection for Substantial Completion conducted 12/29/2021. • Certificate of Substantial Completion along with punchlist submitted to contractor on 01/05/2022; contractor signed and returned on 01/06/2022. • GWA to review submitted construction closeout documents/requirements for final completion; contractor working to complete final punchlist. • Resolution settlement of Liquidated Damages and contract time extension request ongoing. • Pecentage of Completion: 88.64%
				Construction	10	12/27/2018	5/29/2020	$ 2,411,418.00	Giant Const.	• Contractor submits legible Gantt charts requested by GWA initially attached to extension letter; 11/08/2021. • Contractor submits request for Substantial Completion; 10/18/2021. • GWA to review and initiate Substantial Completion. • Resolution settlement of Liquidated Damages and contract time extension request ongoing. • Percentage of Completion: 88.64%
				CM		12/1/2018	12/31/2019			GWA Engineering will management construction management tasks.

	Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 02/03/2022
18	#18 Pressure Zone Realignment Construction-Phase I (Water Hydraulic Model Barrigada Service Area)	Design and construction of instrumentation at key water sites in the Barrigada service area necessary to update GWA Water hydraulic model.	Barbara Cruz	Design	12	8/3/2016	3/15/2017	$ 523,268.00	GHD	Design complete.
			J. Mendiola/G. Yeoh	Construction (Phase I)	12	8/3/2016	6/30/2020	$ 5,228,471.82	Sumitomo	• Outage for Clara has been delayed significantly. Operations has ongoing testing for outage at Clara. Ops was unable to shut down the area for Clara; we backfilled the area to cooperate with DPW's request to remove steel plates until we are able to do outage. DPW to begin work along Ysengsong in February 2022. Their NTP begins on 01/17/2022. We are aiming to complete work at Clara by February. • Kaiser outages for outlet piping completed on 12/19/2021. • CO no. 2 for ACP work at Clara and Ysengsong and Sampling stations extends the contract by 63 days. CO no. 2 being processed by GWA. COP no. 7 submitted for processing to Jude and GWA Accounting. • All PZR sites have work in progress. (Ysengsong, Clara, Kaiser, Okkodo, Terao, Carnation, Maimai, Yigo Reservoir, Astumbo Reservoir)
				CM		6/15/2019	6/30/2020			
23	Project Advertisement	Each IFB or RFP requires advertising	Engineering/ Procurement	MISC	1			$ 25,172.50	PDN/Post	Ongoing
24	Dungca Beach Sewer Improvements		R. Carino	Design			2/28/2021	$ 594,735.28	GHD	• GHD submitted a list of questions, particularly regarding land availability for a pump station on Lagoon Drive. GWA to respond. GHD to submit a revised schedule (completion date change anticipated). • Percentage of Completion: 45% (on schedule)
25	Hagatna Sewer Pump Station Force Main		G. Gattoc	Design				$603,951.14	GHD	• GHD working on survey base map. • GHD working on technical memo summarizing historical flow data as well as providing design flow data for forcemain. • GHD/GWA has narrowed to two(2) FM alignment alternatives, GHD to provide detailed cost est. and feasibility analysis to move forward to 30% design. • GWA to provide any/all information regarding water/sewer utilities in potential FM corridor. • GWA to provide pump station/FM maintenance/inspection history, equipment asset records, operations data & procedures. • GHD to provide updated schedule. • Progress meeting held last 01/28/2022. • Next progress meeting scheduled: 02/11/2022. • Percentage of Completion: 15%

	Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 02/03/2022
26	Fujita Sewer Pump Station Redundant Force Main		G. Gattoc	Design						AECOM submitted revised design fee proposal on 10/08/2021; GWA to review.
27	2021 Well Rehab (A-28, M-14, D-15 & F-7)		J. Mendiola	Design						Procurement on hold until issues with A-series Wells are resolved.
								$ 73,764,297.38		

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Financial Statement Overview
January 2022

Key Financial Indicators

Indicator	Target	Dec-21	Jan-22
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.25	1.27
• Per PUC / CCU	1.40	1.25	1.27
Days – Cash on Hand	120 days	249 days	265 days
Collection Ratio			
• Month to Date	99%	94%	93%
• Year to Date	99%	91%	91%
Days Billed	30 days	30 days	30 days
Account Receivable Days	30 days	44 days	43 days
Account Payable Days	45 days	33 days	38 days
Employee Count	400 FTE	366 FTE	363 FTE
Water Demand			
• Month to Date	478,754	444,509	438,526
• Year to Date	1,436,263	1,322,901	1,761,427
Wastewater Flow			
• Month to Date	356,472	339,032	327,316
• Year to Date	1,069,417	982,645	1,309,961
Water Customers	42,839	43,185	43,120
Wastewater Customers	29,805	30,482	30,410

Water and Wastewater Consumption

Water consumption is down 7% and wastewater flows are about the same for the month of January compared to prior year largely due to a drop in Residential demand as businesses and schools have reopened. Although Commercial Classes continue to improve, the Hotel Class continues to lag.

Year to Date (YTD) water demand is about the same while wastewater flows are up by 5% compared to last year. Increases in water demand in the commercial and government customer classes offset decreases in the residential customer classes. Note that the number of YTD billing days for January 2022 of 121 days is the same as the prior year. See Schedule K for Water Demand for FY2015 to FY2022.

YTD average daily water consumption for January 2022 of 14,557 kgals is about the same as January 2022's 14,553 kgals. Decreases in the Hotel and Residential average daily water consumption were made up by increases in Government and Commercial average daily water consumption.

Balance Sheet (Schedule A)

- Total Assets & Deferred Outflows of Resources of $1.20B in September 2021 decreased by $10M or less than 1% in January 2022 to $1.19B. Current Assets decreased by $9M primarily due to decreases in federal receivables. Property, Plant and Equipment increased by $11.5M due to increases in construction work in progress offset by increases in accumulated depreciation. Other Noncurrent Assets decreased by $12.4 million as bond funds were used to pay contractors. Days Cash on Hand was

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calculated at 265 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

- Liabilities & Deferred Inflow of Resources of $883.2M in September 2021 decreased by $16.5M or 2% to $866.7M in January 2022 due to reductions in contractors' payable and interest payable. Bond interest is paid in annually in January.
- Accounts Receivable days in January 2022 were 43 days, one day less than December 2021's 44 days. Accounts Payable days were 38 days in January 2022, 5 days more than December 2021. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

Statement of Operations and Retained Earnings (Schedules B-E)

- Total Operating Revenues for January 2022 of $8.5M were 10% or $950K less than budget of $9.5M. January 2022 Total Operating Revenues is about the same or $17K more than January 2021.
- Total Year to Date Operating Revenues as of January 2022 of $34.1M were 10% or $3.8M less than the budget of $37.9M. Total Year to Date Operating Revenues as of January 2022 were 5% or $1.5M more than Year to Date Operating Revenues as of January 2021's $32.5M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2022 and FY2021 Year to Date as of January as well as the revenue totals:

	Customer Class	FY2022		FY2021	
o	Residential	$16,136,291	47.76%	$16,500,675	51.26%
o	Commercial	$7,260,753	21.49%	$6,439,992	20.01%
o	Hotel	$3,887,638	11.51%	$4,032,527	12.53%
o	Government of Guam	$3,854,762	11.41%	$3,145,310	9.77%
o	Federal Government	$2,484,827	7.35%	$1,913,169	5.94%
o	Agriculture, Golf Course, Irrigation	$164,582	0.49%	$159,784	0.50%
	TOTALS	$33,788,853	100.00%	$32,191,458	100.00%

- Total Operating Expenses for January 2022 of $7.2M were $287K or 4% less than budget of $7.5M. January 2022 Total Operating Expenses were 5% or $316K more than January 2021's $6.7M. The largest increase month over month was in power.
- Total Year to Date Operating Expenses as of January 2022 of $29.5M were $414K or 1% less than budget of $29.9M. Total Year to Date Operating Expenses as of January 2022 were 8% or $2.1M more than January 2021 YTD's $27.4M. The largest increase year over year was due to power purchases.
- Earnings from Operations for January 2022 of $1.3M were 33% or $663K less than the budget of $2M and 18% or $299K less than January 2021's $1.6M. Change in Net Assets for January 2022 of -$3.9M was 38% or $1.1M more than the $2.8M budget and $1.3M or 25% less than January 2021's $5.2M. The decrease in the Change in Net Assets year over year was mostly due to the decrease in contributions from Federal Grants.
- Year to Date Earnings from Operations as of January 2022 of $4.6M were 43% or $3.4M less than the budget of $8M and 11% or $574K less than January 2021 YTD's $5.2M. Year to Date Change in Net

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Assets as of January 2022 of $6.0M was 46% or $5.2M less than the $11.2M budget and $1.7M or 22% less than January 2021 YTD's $7.7M.

Customer Payments

Despite the pandemic, while only 8% of payments are made in cash, more than a third of payments continue to be made in person. Beginning in August 2021, ratepayers were able to access one walkup window in Upper Tumon to make payments; the drive through continues to remain open.

Using social media, GWA continues to encourage customers to conduct business online or via the phone. An automated customer service online support portal is also available on the GWA website for permits, submissions related to backflow testing, payment plans, and other customer related requests.

On April 28, 2020, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. In FY2022 (October through December), approximately 50% of payments were made with credit cards. Compared to the last quarter of FY21, credit card payments for non-residential accounts for the first quarter of FY22 have doubled. Below is a summary of non-residential credit card payments and related fees.

Month	Customer Count	Amount Paid	Fees	% Of Fees to Payments
May – September 2020	140	$241,335	$4,952	2.05%
October – December 2020	100	$194,764	$3,916	2.01%
January – March 2021	122	$272,887	$5,487	2.01%
April – June 2021	150	$333,368	$6,703	2.01%
July -September 2021	154	$318,267	$6,399	2.01%
October – December 2021	160	$649,270	$13,055	2.01%
January 2022	69	$276,271	$5,555	2.01%

A joint GPWA resolution is before the CCU for approval in February for the new merchant service agreement. GWA expects the new agreement to realize savings in the fees charged.

Since the suspension of disconnections for nonpayment was lifted, the Upper Tumon office has been open for payments on Saturdays. For the Saturdays in January, 283 payments totaling $75,608 were made towards GWA billings and 347 payments totaling $142,872 were made for GPA.

For the month of January, Finance posted $87,506 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP) funded through the second federal relief act. Customer Service is working with DOA to ensure that residents who qualify for the program are not disconnected while payments are in process.

In late January, DOA launched its homeowner assistance program which also includes assistance for utilities; GWA should begin to see payments from this program in February or March. DOA will also be launching the LIHWAP (Low Income Household Water Assistance Program), which will assist low-income households with payment for water and sewer and is working with GWA to develop the plan.

Guam Solid Waste Customer Payments

Software to enable GPWA to receive GSW payments is currently in testing and should be thoroughly vetted shortly.

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PUC Docket
The GWA Comprehensive Review and Update of its Five-Year Financial Plan & Capital Improvement Program (Financial Plan Update) and related Rate Application Model (RAM) were delivered to the PUC as required on May 1, 2021. The stipulated analytical studies were previously provided to the PUC as required on March 31, 2021.

After evidentiary hearings were held on November 8 and 9, 2021, on November 22, the ALJ issued an Order after the Hearing requiring GWA to formally submit its revised rate application and modified financial plan that had been presented at the evidentiary hearing along with appropriate testimony, narratives, data, and documents and an updated RAM by December 6, 2021. GWA delivered the requested information early on December 3, 2021.

The ALJ allowed the PUC consultants to issue an additional set of requests for information no later than December 17, 2021, with certain limitations. GWA's responses were made as required on December 30, 2021. The PUC consultant's supplemental report was received on January 15, 2022, and the GWA response was provided on January 19, 2022. Although requested in the GWA response, the ALJ has not calendared any next steps.

FY2022 & FY2023 Budget
A request to modify the budget will be made once the PUC order on rates for FY2022 is issued. Because the order will be issued midway through FY2022, it is anticipated that it will also cover rates for FY2023.

Weekly reports are issued to the business unit managers to help them track and plan their expenditures based on the available budget.

GWA continues to monitor revenues and will adjust as needed to ensure continuity of services to our customers while keeping the safety of our staff the highest priority.

FY2021 Audit
The auditors have received information regarding the unfunded liability of the Retirement Fund and OPEB (Other Post-Employment Benefits). A draft of the audit should be available in late February or early March.

Rate Stabilization Fund
CCU Resolution 11-FY2021 authorized the establishment of a Rate Stabilization Fund (RSF) as a mechanism for managing future uncertainties and risks as well as to promote predictable rates. In September 2021, GWA transferred the authorized $11.4 million from GWA's Working Capital Reserves into the RSF. These funds were originally transferred into the Working Capital Reserves from the Working Capital Reserves for Debt Service per CCU Resolution 17-FY2020 which dissolved the Working Capital Reserves for Debt Service fund.

On January 25, 2022, CCU Resolution 06-FY2022 authorized transfers up to $2 million from the RSF into the GWA general fund. A $400 thousand transfer was made at the end of January 2022.

Risk Management
A joint GPWA request for proposal was issued for risk management services in June 2021. Bolton & Company was awarded the contract. GWA is currently collaborating with them on the development of an IFB for insurance services. A resolution for the CCU approval to move forward with the procurement will be presented for adoption at the February meeting.

Federal Grants Update
FEMA. Funding related to the COVID-19 pandemic may be available through FEMA. GWA is currently compiling expenditures for reimbursement as well as developing the application. It is anticipated that in-house testing expenses will be covered by the grant.

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USEPA. USEPA has indicated that Guam will receive up to an additional $26.5 million annually through the Infrastructure Act. However, it is unclear if the targeted funds can be reallocated from areas to which there is a lesser need to areas of priority for Guam.

ARP. GWA has been notified that up to $14.7M will be provided for infrastructure upgrades and up to $14.4M will be provided to mitigate rate increases of American Rescue Program funds through the Governor's Office. GWA management is working with the Governor's office on the fund transfer but understands that the funds to mitigate rate increases will not be made available until after the PUC rate relief order has been issued.

COVID Updates

There were 12,724 COVID-19 positive tests and 20 COVID-related fatalities reported during the month of January. For the month of January 2022, the average daily positive test rate was 410 compared to the 14 daily average in December. A combination of holiday celebrations and the omicron variant caused the increases in positive test results.

It was determined the island's COVID Area Risk (CAR) score would no longer be used as a measure as it did not account for hospitalizations or vaccination rates. Despite increasing positivity rates, because vaccinations rates are high and COVID hospitalizations have been relatively low, the Governor decided not to increase restrictions on the community.

Guidance has been issued to determine when testing is necessary as well as when monoclonal antibodies should be administered due to availability of supplies. To help alleviate long waits, appointments at public testing sites are encouraged. Executive Order 2022-02 extended the public health emergency to March 2, 2022.

By the end of January 2022, 132,996 residents were fully vaccinated and 51,265 had received boosters. GovGuam, pharmacies and clinics made available free COVID 19 vaccines and boosters in a variety of locations including the UOG Fieldhouse. There were 36 persons hospitalized for COVID at the end of January.

GWA's vaccination or test policy will go into effect on February 5, 2022. GWA will test unvaccinated employees at Upper Tumon weekly the day before the employee's first shift of the work week.

GVB Visitor Arrivals

December 2021 visitor arrivals of 8,764 were more than 4x December 2020 arrivals of 2,120. Comparing the first quarters of the fiscal year, visitor arrivals were 24,795 in 1Q FY22 compared to 7,013 in 1Q 2021. Military arrivals may not be included in some of the FY2021 data; the statistics will be updated as new information becomes available.

GUAM WATERWORKS AUTHORITY
January 31, 2022
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY
Balance Sheet
January 31, 2022

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited January 31, 2022	Unaudited September 30, 2021	Increase (Decrease)
Current Assets			
Cash			
Unrestricted (Schedule G)	36,509,589	35,044,630	1,464,959
Restricted Funds (Schedule G)	40,445,299	42,426,211	(1,980,912)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of $9,296,253 at Jan 31, 2022 and $8,747,124 at Sept 30, 2021	12,089,204	11,392,368	696,836
Federal Receivable	890,199	11,436,000	(10,545,801)
Other Receivable	1,157,564	1,002,328	155,236
Prepaid Expenses	1,612,064	849,867	762,197
Materials & Supplies Inventory, Net of Allowance for Obsolescence of $64,131 at Jan 31, 2022 and $64,131 at Sept 30, 2021	4,557,852	4,284,336	273,516
Total Current Assets	97,261,772	106,435,741	(9,173,970)
Property, Plant and Equipment			
Utility plant in service			
Water system	415,693,123	415,123,284	569,838
Wastewater system	513,741,066	513,741,066	-
Non-utility property	33,196,659	33,051,603	145,056
Total property	962,630,847	961,915,953	714,894
Less: Accumulated Depreciation	(376,627,697)	(367,521,639)	(9,106,058)
Land	5,287,305	5,240,187	47,117
Construction Work in Progress	187,394,922	167,589,130	19,805,792
Property, Plant and Equipment, net	778,685,377	767,223,632	11,461,745
Noncurrent assets			
Restricted cash (Schedule G)	181,377,934	193,458,224	(12,080,290)
Investments (Schedule G)	67,345,769	67,678,709	(332,940)
Total other noncurrent assets and deferred charges	248,723,703	261,136,933	(12,413,230)
Total Assets	1,124,670,852	1,134,796,306	(10,125,454)
Deferred outflows of resources			
Regulatory assets	2,216,738	1,922,989	293,749
Debt defeasance due to bond refunding	30,601,043	31,286,637	(685,594)
Deferred outflows from pension	12,393,137	12,393,137	-
Deferred outflows from OPEB	20,526,945	20,526,945	-
Total Assets and Deferred Outflows of Resources	**1,190,408,715**	**1,200,926,014**	**(10,517,299)**
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
Current Liabilities			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,990,000	-
Series 2014 Refunding Bond	555,000	555,000	-
Series 2016 Revenue Bond	4,055,000	4,055,000	-
Series 2017 Refunding Bond	2,145,000	2,145,000	-
Accounts Payable -Trade	4,632,962	2,652,457	1,980,505
Accrued and Other Liabilities	1,759,926	2,011,179	(251,253)
Interest Payable	2,505,700	7,324,101	(4,818,400)
Accrued Payroll and Employee Benefits	1,510,518	918,403	592,115
Current portion of employee annual leave	660,125	660,125	-
Contractors' Payable	12,301,386	25,847,832	(13,546,447)
Customer and Other Deposits	2,324,857	2,237,010	87,847
Total Current Liabilities	35,440,474	51,396,108	(15,955,633)
Long Term Debt, less current maturities			
Series 2013 Revenue Bond	21,510,000	21,510,000	-
Series 2014 Refunding Bond	64,055,000	64,055,000	-
Series 2016 Revenue Bond	134,975,000	134,975,000	-
Series 2017 Refunding Bond	103,180,000	103,180,000	-
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	40,028,939	40,654,335	(625,396)
Net pension liability	54,387,676	54,387,676	-
Net OPEB obligation	84,163,331	84,163,331	-
Employee Annual Leave, Less Current Portion	1,185,813	1,185,813	-
Employee Sick Leave	1,339,208	1,339,208	-
Total Liabilities	840,340,442	856,921,471	(16,581,029)
Deferred inflows of resources:			
Contribution in Aid of Construction	286,650	244,720	41,930
Deferred inflows from pension	1,010,540	1,010,540	-
Deferred inflows from OPEB	25,015,789	25,015,789	-
Total Liabilities and Deferred Inflows of Resources	866,653,421	883,192,520	(16,539,099)
Net Assets	**323,755,294**	**317,733,494**	**6,021,800**
Total Liabilities, Deferred Inflows of Resources and Net Assets	**1,190,408,715**	**1,200,926,014**	**(10,517,299)**

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings **SCHEDULE B**
Comparative Budget vs. Actual for the period ending January 31, 2022

	Month to Date		Variance
	Actual (Unaudited) January-22	Budget* January-22	Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,340,938	5,863,373	(522,435)
Wastewater Revenues	2,854,440	3,226,426	(371,986)
Legislative Surcharge	250,834	274,214	(23,380)
Other Revenues	35,076	35,895	(819)
System Development Charge	46,467	77,442	(30,975)
Total Operating Revenues	8,527,755	9,477,350	(949,595)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	402,040	571,438	169,397
Power Purchases	1,353,257	1,205,155	(148,102)
Total Utility Costs	1,755,297	1,776,593	21,295
Salaries and Wages	1,442,158	1,680,210	238,052
Pension and Benefits	558,342	696,002	137,660
Total Salaries and Benefits	2,000,500	2,376,212	375,712
Capitalized Labor and Benefits	(305,129)	(308,333)	(3,204)
Net Salaries and Benefits	1,695,371	2,067,879	372,507
Administrative and General Expenses			
Sludge removal	78,810	127,518	48,709
Chemicals	135,419	154,647	19,228
Materials & Supplies	114,442	169,912	55,470
Transportation	32,257	59,260	27,002
Communications	9,930	27,135	17,205
Claims	-	14,331	14,331
Insurance	79,937	82,972	3,035
Training & Travel	4,229	23,501	19,272
Advertising	6,360	11,583	5,223
Miscellaneous	114,936	119,179	4,242
Regulatory Expense	11,250	30,183	18,933
Bad Debts Provision	168,924	139,113	(29,811)
Total Administrative and General Expense	756,495	959,335	202,840
Depreciation Expense	2,285,481	1,855,919	(429,561)
Contractual Expense			
Audit & Computer Maintenance	166,290	126,287	(40,003)
Building rental	41,479	41,412	(68)
Equipment rental	37,326	53,236	15,910
Legal	-	-	-
Laboratory	46,895	61,535	14,640
Other	144,293	241,889	97,597
Total Contractual Expense	436,283	524,359	88,076
Retiree Supp. Annuities and health care costs	202,384	233,386	31,002
Contribution to Government of Guam	51,833	52,768	934
Total Retiree Benefits	254,217	286,153	31,936
Total Operating Expenses	7,183,144	7,470,239	287,094
Earnings (Loss) from Operations	1,344,611	2,007,111	(662,500)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,759	128,299	(125,540)
Interest Income - Other Funds	825	29,550	(28,726)
Interest Income - SDC	177	2,488	(2,311)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,457,450)	(2,638,329)	180,879
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	(10,737)	-	(10,737)
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	(23,078)	179,427
Defeasance due to bond refunding	(171,399)	(22,439)	(148,960)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(45,599)	-	(45,599)
Total non-operating revenues (expenses)	(2,525,075)	(2,523,508)	(1,567)
Net Income (Loss) before capital contributions	(1,180,464)	(516,397)	(664,067)
Capital Contributions			
Grants from US Government	5,049,597	3,311,071	1,738,526
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	5,049,597	3,311,071	1,738,526
Change in Net Assets	3,869,133	2,794,675	1,074,459
Debt Service Calculation			
Earnings From Operations	1,344,611	2,007,111	
System Development Charge	(46,467)	(77,442)	
Retiree COLA	51,833	52,768	
Interest/Investment Income	825	29,550	
Depreciation	2,285,481	1,855,919	
Balance Available for Debt Service per Section 6.12	3,636,282	3,867,907	
Debt Service			
Principal	812,083	772,500	
Interest	1,976,089	1,996,663	
Total	2,788,172	2,769,163	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.30	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.30	1.40	

*Interim budget

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings **SCHEDULE C**
Comparative for the period ending January 31, 2022 and 2021

	Month to Date Actual (Unaudited) January-22	Month to Date Actual (Unaudited) January-21	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	5,340,938	5,664,142	(323,203)
Wastewater Revenues	2,854,440	2,488,113	366,327
Legislative Surcharge	250,834	249,110	1,724
Other Revenues	35,076	26,428	8,648
System Development Charge	46,467	83,152	(36,684)
Total Operating Revenues	8,527,755	8,510,943	16,812
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	402,040	512,582	(110,542)
Power Purchases	1,353,257	906,236	447,021
Total Utility Costs	1,755,297	1,418,818	336,479
Salaries and Wages	1,442,158	1,558,189	(116,031)
Pension and Benefits	558,342	586,829	(28,486)
Total Salaries and Benefits	2,000,500	2,145,018	(144,518)
Capitalized Labor and Benefits	(305,129)	(311,767)	6,638
Net Salaries and Benefits	1,695,371	1,833,251	(137,880)
Administrative and General Expenses			
Sludge removal	78,810	143,606	(64,796)
Chemicals	135,419	103,726	31,693
Materials & Supplies	114,442	116,417	(1,975)
Transportation	32,257	40,737	(8,480)
Communications	9,930	11,934	(2,004)
Claims	-	24,951	(24,951)
Insurance	79,937	78,330	1,607
Training & Travel	4,229	1,310	2,919
Advertising	6,360	5,545	815
Miscellaneous	114,936	113,456	1,480
Regulatory Expense	11,250	15,543	(4,293)
Bad Debts Provision	168,924	168,014	910
Total Administrative and General Expense	756,495	823,571	(67,076)
Depreciation Expense	2,285,481	2,133,381	152,100
Contractual Expense			
Audit & Computer Maintenance	166,290	142,550	23,740
Building rental	41,479	37,471	4,008
Equipment rental	37,326	25,977	11,349
Legal	-	-	-
Laboratory	46,895	28,474	18,421
Other	144,293	162,637	(18,344)
Total Contractual Expense	436,283	397,109	39,174
Retiree Supp. Annuities and health care costs	202,384	210,987	(8,604)
Contribution to Government of Guam	51,833	50,333	1,500
Total Retiree Benefits	254,217	261,321	(7,104)
Total Operating Expenses	7,183,144	6,867,450	315,694
Earnings (Loss) from Operations	1,344,611	1,643,494	(298,883)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,759	2,382	377
Interest Income - Other Funds	825	721	103
Interest Income - SDC	177	1,952	(1,775)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,457,450)	(2,480,584)	23,133
Contributions from Federal Government	-	-	-
Federal Expenditures	-	(9,710)	9,710
Loss on Asset Disposal	(10,737)	-	(10,737)
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	156,349	-
Defeasance due to bond refunding	(171,399)	(172,097)	699
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(45,599)	(20,889)	(24,710)
Total non-operating revenues (expenses)	(2,525,075)	(2,521,875)	(3,200)
Net Income (Loss) before capital contributions	(1,180,464)	(878,381)	(302,082)
Capital Contributions			
Grants from US Government	5,049,597	6,035,585	(985,988)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	5,049,597	6,035,585	(985,988)
Change in Net Assets	3,869,133	5,157,204	(1,288,071)

Debt Service Calculation		
Earnings From Operations	1,344,611	1,643,494
System Development Charge	(46,467)	(83,152)
Retiree COLA	51,833	50,333
Interest/Investment Income	825	721
Depreciation	2,285,481	2,133,381
Balance Available for Debt Service per Section 6.12	3,636,282	3,744,777
Debt Service		
Principal	812,083	772,500
Interest	1,976,089	1,847,251
Total	2,788,172	2,619,751
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.30	1.43
Debt Service Coverage (1.40X) (PUC)	1.30	1.43

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings **SCHEDULE D**
Comparative Budget vs. Actual for the period ending January 31, 2022

	Year to Date		Variance
	Actual (Unaudited) January-22	Budget* January-22	Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	21,464,188	23,453,493	(1,989,305)
Wastewater Revenues	11,319,931	12,905,703	(1,585,772)
Legislative Surcharge	1,004,734	1,096,857	(92,122)
Other Revenues	133,482	143,579	(10,097)
System Development Charge	138,928	309,768	(170,840)
Total Operating Revenues	34,061,263	37,909,399	(3,848,136)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	2,160,301	2,366,026	205,725
Power Purchases	5,279,827	4,753,516	(526,311)
Total Utility Costs	7,440,128	7,119,542	(320,586)
Salaries and Wages	6,165,148	6,720,838	555,690
Pension and Benefits	2,399,302	2,784,010	384,708
Total Salaries and Benefits	8,564,450	9,504,848	940,398
Capitalized Labor and Benefits	(1,166,047)	(1,233,333)	(67,287)
Net Salaries and Benefits	7,398,403	8,271,515	873,111
Administrative and General Expenses			
Sludge removal	261,151	526,865	265,713
Chemicals	695,918	619,221	(76,697)
Materials & Supplies	432,302	663,770	231,468
Transportation	168,051	227,038	58,987
Communications	45,663	108,540	62,877
Claims	30,579	57,322	26,743
Insurance	319,748	331,890	12,142
Training & Travel	16,412	94,006	77,594
Advertising	13,287	46,228	32,941
Miscellaneous	422,804	464,478	41,674
Regulatory Expense	85,281	120,733	35,453
Bad Debts Provision	675,777	556,453	(119,324)
Total Administrative and General Expense	3,166,973	3,816,543	649,570
Depreciation Expense	9,130,389	7,423,677	(1,706,712)
Contractual Expense			
Audit & Computer Maintenance	439,171	507,313	68,143
Building rental	165,917	165,647	(270)
Equipment rental	127,201	212,695	85,494
Legal	-	-	-
Laboratory	115,744	251,382	135,638
Other	488,792	971,738	482,946
Total Contractual Expense	1,336,825	2,108,775	771,950
Retiree Supp. Annuities and health care costs	790,107	933,543	143,435
Contribution to Government of Guam	207,333	210,753	3,420
Total Retiree Benefits	997,441	1,144,296	146,855
Total Operating Expenses	29,470,159	29,884,347	414,188
Earnings (Loss) from Operations	4,591,104	8,025,052	(3,433,949)
Interest Income - 2010/13/14/16/17/20 Series Bond	12,826	513,198	(500,372)
Interest Income - Other Funds	3,601	118,202	(114,601)
Interest Income - SDC	1,291	9,950	(8,659)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(9,829,801)	(10,553,317)	723,516
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	(10,737)	-	(10,737)
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	625,396	(92,310)	717,706
Defeasance due to bond refunding	(685,594)	(89,754)	(595,840)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	204,557	-	204,557
Total non-operating revenues (expenses)	(9,678,460)	(10,094,032)	415,572
Net Income (Loss) before capital contributions	(5,087,356)	(2,068,979)	(3,018,377)
Capital Contributions	20,339,770		
Grants from US Government	11,109,156	13,244,286	(2,135,129)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	11,109,156	13,244,286	(2,135,129)
Change in Net Assets	6,021,800	11,175,306	(5,153,506)
Debt Service Calculation			
Earnings From Operations	4,591,104	8,025,052	
System Development Charge	(138,928)	(309,768)	
Retiree COLA	207,333	210,753	
Interest/Investment Income	3,601	118,202	
Depreciation	9,130,389	7,423,677	
Plus withdrawals (deposits) to Rate Stabilization Fund	400,000	-	
Balance Available for Debt Service per Section 6.12	14,193,499	15,467,916	
Debt Service			
Principal	3,248,333	3,090,000	
Interest	7,904,356	7,986,650	
Total	11,152,690	11,076,650	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.27	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.27	1.40	

*Interim budget

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending January 31, 2022 and 2021

SCHEDULE E

	Year to Date Actual (Unaudited) January-22	Year to Date Actual (Unaudited) January-21	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	21,464,188	21,231,598	232,590
Wastewater Revenues	11,319,931	10,008,786	1,311,146
Legislative Surcharge	1,004,734	943,592	61,142
Other Revenues	133,482	115,522	17,960
System Development Charge	138,928	242,469	(103,540)
Total Operating Revenues	34,061,263	32,541,966	1,519,297
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	2,160,301	2,110,145	50,156
Power Purchases	5,279,827	3,890,187	1,389,641
Total Utility Costs	7,440,128	6,000,332	1,439,796
Salaries and Wages	6,165,148	6,368,100	(202,951)
Pension and Benefits	2,399,302	2,407,769	(8,467)
Total Salaries and Benefits	8,564,450	8,775,869	(211,419)
Capitalized Labor and Benefits	(1,166,047)	(1,227,930)	61,883
Net Salaries and Benefits	7,398,403	7,547,939	(149,535)
Administrative and General Expenses			
Sludge removal	261,151	509,891	(248,739)
Chemicals	695,918	539,430	156,488
Materials & Supplies	432,302	375,745	56,557
Transportation	168,051	166,070	1,981
Communications	45,663	53,896	(8,233)
Claims	30,579	24,951	5,628
Insurance	319,748	313,322	6,426
Training & Travel	16,412	9,067	7,345
Advertising	13,287	10,751	2,536
Miscellaneous	422,804	360,770	62,034
Regulatory Expense	85,281	62,479	22,801
Bad Debts Provision	675,777	643,680	32,098
Total Administrative and General Expense	3,166,973	3,070,051	96,922
Depreciation Expense	9,130,389	8,504,971	625,418
Contractual Expense			
Audit & Computer Maintenance	439,171	425,307	13,864
Building rental	165,917	149,885	16,032
Equipment rental	127,201	99,346	27,855
Legal	-	-	-
Laboratory	115,744	51,051	64,693
Other	488,792	502,097	(13,306)
Total Contractual Expense	1,336,825	1,227,686	109,138
Retiree Supp. Annuities and health care costs	790,107	824,520	(34,413)
Contribution to Government of Guam	207,333	201,333	6,000
Total Retiree Benefits	997,441	1,025,854	(28,413)
Total Operating Expenses	29,470,159	27,376,833	2,093,326
Earnings (Loss) from Operations	4,591,104	5,165,133	(574,029)
Interest Income - 2010/13/14/16/17/20 Series Bond	12,826	9,049	3,777
Interest Income - Other Funds	3,601	2,617	984
Interest Income - SDC	1,291	11,149	(9,857)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(9,829,801)	(10,159,502)	329,701
Interest Expense - ST BOG	-	-	-
Contributions from Federal Government	-	-	-
Federal Expenditures	-	(137,522)	137,522
Loss on Asset Disposal	(10,737)	-	(10,737)
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	625,396	623,646	1,750
Defeasance due to bond refunding	(685,594)	(688,388)	2,794
Deferred outflows from pension	-	-	-
Prior Year Adjustment	204,557	(71,472)	276,029
Total non-operating revenues (expenses)	(9,678,460)	(10,410,423)	731,963
Net Income (Loss) before capital contributions	(5,087,356)	(5,245,290)	157,934
Capital Contributions			
Grants from US Government	11,109,156	12,748,772	(1,639,616)
Grants from GovGuam & Others	-	195,873	(195,873)
Total Capital Contributions	11,109,156	12,944,645	(1,835,489)
Change in Net Assets	6,021,800	7,699,355	(1,677,555)
Debt Service Calculation			
Earnings From Operations	4,591,104	5,165,133	
System Development Charge	(138,928)	(242,469)	
Retiree COLA	207,333	201,333	
Interest/Investment Income	3,601	2,617	
Depreciation	9,130,389	8,504,971	
Plus withdrawals (deposits) to Rate Stabilization Fund	400,000	-	
Balance Available for Debt Service per Section 6.12	14,193,499	13,631,586	
Debt Service			
Principal	3,248,333	3,090,000	
Interest	7,904,356	7,389,006	
Total	11,152,690	10,479,006	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.27	1.30	
Debt Service Coverage (1.40X) (PUC)	1.27	1.30	

Guam Waterworks Authority **SCHEDULE F**
System Development Charges Project Status
As of January 31, 2022

Funding Summary

Total available project funds	$	14,943,619
Total project expenditures and encumbrances		10,592,769
Total unobligated project funds	**$**	**4,350,849**

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	1,151,116	2,854.37	1,153,971
Central Guam Reservoirs	274,240	5,799.64	280,040
Line Replacement Phase IV	256,937	-	256,937
Northern DWWTP	1,764,871	3,859,956.33	5,624,827
Northern DWWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	519,227	74,641.43	593,869
South Paulino Heights Waterline Upgrade	84,056	4,714.38	88,770
Talofofo Sewer Improvement	-	241,141.80	241,142
Groundwater Well Production Meter Rep.	113,543	37,664.17	151,207
	$ 6,365,997	**$ 4,226,772**	**$ 10,592,769**

Future planned projects	FY 2021-2025
Water Wells	1,000,000
Water Dist Sys Pipe Replacement & Upgrades	1,500,000
Capacity Enhancments - Well Dvlp and Construction Prg	394,000
Well Repair Program	200,000
	$ 3,094,000

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2022

SCHEDULE G

Description	Unaudited January 31, 2022	Unaudited September 30, 2021	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	4,430	4,430	-
BOG Deposit Accounts	14,045,933	11,783,670	2,262,263
BOG O & M Reserve	13,864,493	13,863,240	1,253
BOG CapEx Fund	8,592,733	9,391,290	(798,557)
Sub-total Unrestricted	**36,509,589**	**35,044,630**	**1,464,959**
RESTRICTED			
ANZ Bank	642	1,374	(733)
Bank Pacific	33,437	13,720	19,716
Bank of Hawaii	279,919	187,857	92,063
Community First FCU	6,687	2,897	3,789
First Hawaiian Bank	24,975	28,808	(3,833)
Bank Pacific Surcharge	39,573	346,165	(306,592)
Bank Pacific Escrow Deposit	828,912	905,936	(77,023)
BOG Customer Refunds	2,215,709	2,101,144	114,565
BOG Emergency Reserve Fund	6,246	6,245	-
BOG Sewer Hookup Revolving Fund	62,762	61,318	1,444
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	390,849	902,327	(511,479)
BOG Revenue Trust Fund	6,953,880	7,604,696	(650,816)
BOG Capital Improvement Revenue Fund	6,880,133	6,017,960	862,173
BOG Rate Stabilization Fund	11,000,000	11,400,000	(400,000)
	31,807,205	**32,663,929**	**(856,725)**
BOG - SDC Deposit	2,138,095	4,512,282	(2,374,187)
BOG - SDC CDs	6,500,000	5,250,000	1,250,000
Total SDC	**8,638,095**	**9,762,282**	**(1,124,187)**
Total Restricted	**40,445,299**	**42,426,211**	**(1,980,912)**
Reserve Funds			
BOG Series 2013 Construction Fund	4,385,162	4,566,711	(181,549)
BOG Series 2016 Construction Fund	49,229,196	56,620,524	(7,391,328)
BOG Series 2017 Refunding Construction Fund	4,236,135	4,368,640	(132,504)
BOG Series 2020A Construction Fund	121,292,622	-	121,292,622
BOG Series 2020A Capitalized Interest Fund	2,234,819	122,317,770	(120,082,951)
BOG Series 2020A Cost of Issuance Fund	-	5,584,579	(5,584,579)
Total Restricted - Held by Trustee	**181,377,934**	**193,458,224**	**(12,080,290)**
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	2,183,813	1,396,665	787,148
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	694,691	1,048,078	(353,387)
USB Series 2014 Refunding Debt Service Reserve Fund	7,735,394	7,736,844	(1,450)
USB Series 2016 Debt Service Fund	3,009,777	2,816,611	193,166
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,559	31,558	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	1,740,461	1,903,114	(162,653)
USB Series 2020A Debt Service Fund	185,994	-	185,994
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	491,020	1,472,780	(981,759)
Total Investments	**67,345,769**	**67,678,709**	**(332,941)**
Total Restricted and Unrestricted Cash	**325,678,592**	**338,607,774**	**(12,929,183)**

Guam Waterworks Authority
Accounts Receivable - Government (Active)
January 31, 2022

SCHEDULE H

		AGING					
Customer Name	**No. of Accounts**	**Current**	**31 - 60 days**	**61 - 90 days**	**91 - 120 days**	**Over 120 days**	**Total**
Autonomous Agencies (Active)							
Guam Int'l Airport Authority	7	$ 23,223	$ 15,930	$ 15,572	$ 15,175	$ 250,569	$ 320,468
Guam Power Authority	25	197,484	24,484	-	-	-	221,968
Guam Memorial Hospital Authority	3	51,096	37,835	1,431	150	13,555	104,068
Guam Housing & Urban Renewal Authority	9	1,540	670	345	290	1,805	4,650
Port Authority of Guam	5	4,249	-	-	-	-	4,249
							-
Total Autonomous Agencies	**49**	**$ 277,592**	**$ 78,919**	**$ 17,348**	**$ 15,616**	**$ 265,929**	**$ 655,404**
		42.35%	**12.04%**	**2.65%**	**2.38%**	**40.57%**	**100.00%**
Line Agencies							
Department of Education	52	$ 383,687	$ 368,155	$ 379,172	$ 355,187	$ 471,252	$ 1,957,453
Mayors Council of Guam	61	11,102	13,767	16,872	10,104	86,026	$ 137,872
Department of Corrections	9	84,107	-	-	-	-	$ 84,107
Department of Parks & Recreation	14	22,459	1,708	4,352	942	2,819	$ 32,280
Department of Chamorro Affairs	7	12,688	13,722	5,338	-	-	$ 31,749
Department of Public Works	11	16,826	4,353	2,704	147	7,000	$ 31,030
Guam Police Department	7	5,171	4,071	3,804	256	706	$ 14,008
Department of Public Health & Social Services	8	3,845	3,309	2,658	245	237	$ 10,294
Department of Agriculture	6	5,527	3,052	26	-	-	$ 8,605
Guam Fire Department	11	4,783	2,193	471	-	-	$ 7,448
Department of Military Affairs/GUARNG	1	7,238	-	-	-	-	$ 7,238
Guam Veterans Affairs Office	2	949	844	1,019	903	2,179	$ 5,894
University of Guam	48	3,463	-	-	-	-	$ 3,463
New Guam Mental Health	1	1,110	1,546	-	-	-	$ 2,656
Office of the Governor	2	2,634	-	-	-	-	$ 2,634
Department of Youth Affairs	3	1,200	697	408	-	-	$ 2,304
Department of Customs & Quarantine	1	428	428	428	389	-	$ 1,673
Office of Technology	1	133	121	106	134	610	$ 1,104
Division of Senior Citizens, DPHS&S	2	319	186	183	150	-	$ 838
Guam Energy Office	1	203	-	374	-	-	$ 576
Guam Enviromental Protection Agency	2	229	203	49	-	-	$ 481
Department of Mental Health	2	445	-	-	-	-	$ 445
Department of Administration	5	361	5	-	-	-	$ 366
Department of Mental Health and Substance	1	322	-	-	-	-	$ 322
Guam Public Library	6	264	29	-	-	-	$ 293
Agat Mayor's Office	1	108	106	77	-	-	$ 291
Office of Civil Defense	2	281	-	-	-	-	$ 281
Guam Police Department	2	264	-	-	-	-	$ 264
The Office of the Dededo Mayor	1	82	82	100	-	-	$ 263
Department of Agriculture-Fisheries	1	139	97	-	-	-	$ 236
Merizo Mayor	1	65	45	-	-	-	$ 110
Guam Solid Waste Authority	3	104	-	-	-	-	$ 104
							$ -
Total Line Agencies	**275**	**$ 570,533**	**$ 418,721**	**$ 418,142**	**$ 368,458**	**$ 570,829**	**$ 2,346,683**
		24.31%	**17.84%**	**17.82%**	**15.70%**	**24.32%**	**100.00%**
Total as of January 31, 2022 (Active)	**324**	**$ 848,125**	**$ 497,640**	**$ 435,489**	**$ 384,074**	**$ 836,758**	**$ 3,002,087**
		28.25%	**16.58%**	**14.51%**	**12.79%**	**27.87%**	**100.00%**

GUAM WATERWORKS AUTHORITY
Accounts Receivable Aging Summary by Rate Class
As of January 31, 2022

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
		A G I N G						
Government	437	$ 2,418,272	$ 544,909	$ 434,120	$ 388,695	$ 1,123,028	$ 4,909,024	23%
Agriculture	412	28,070	5,777	3,316	574	33,738	71,474	0%
Commercial I	2,638	1,202,270	114,501	52,058	22,079	447,137	1,838,045	9%
Commercial II	36	228,862	22,646	18,628	-	1,092	271,227	1%
Commercial III	301	593,838	194,198	14,210	9,145	292,091	1,103,482	5%
Golf Course	15	2,750	-	-	-	-	2,750	0%
Hotel	58	1,154,214	51,966	60,812	75,117	767,509	2,109,617	10%
Irrigation	33	3,734	192	144	150	1,416	5,636	0%
Residential	48,416	4,433,592	704,671	396,310	293,354	5,246,274	11,074,201	52%
	52,346	**10,065,602**	**1,638,860**	**979,597**	**789,113**	**7,912,284**	**21,385,457**	**100%**
		47%	**8%**	**5%**	**4%**	**37%**		
						Less Allowance for Doubtful Accounts:	(9,296,253)	
						Net Accounts Receivable:	**12,089,203**	
					Days Receivables Outstanding		43	

ACTIVE ONLY

Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
		A G I N G						
Government	436	$ 2,416,406	$ 544,909	$ 434,120	$ 388,695	########	$ 4,907,158	30%
Agriculture	390	28,035	5,700	3,247	551	5,699	43,232	0%
Commercial I	2,466	1,201,187	109,768	48,462	17,836	256,083	1,633,336	10%
Commercial II	34	223,115	14,471	40	-	-	237,626	1%
Commercial III	287	593,838	193,115	14,210	9,145	237,973	1,048,281	6%
Golf Course	15	2,750	-	-	-	-	2,750	0%
Hotel	55	1,154,214	51,966	60,812	41,910	205,588	1,514,489	9%
Irrigation	32	3,734	192	144	150	121	4,341	0%
Residential	40,083	4,399,919	660,932	355,400	245,922	1,543,482	7,205,655	43%
	43,798	**10,023,199**	**1,581,053**	**916,434**	**704,208**	**3,371,973**	**16,596,866**	**100%**
		60%	**10%**	**6%**	**4%**	**20%**		
					Less Allowance for Doubtful Accounts:		(9,296,253)	
					Net Accounts Receivable:		**7,300,613**	

As of December 31, 2021

Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
		A G I N G						
Government	436	$ 2,953,790	$ 518,446	$ 400,554	$ 557,843	$ 577,938	$ 5,008,571	23%
Agriculture	412	23,420	6,610	1,120	623	33,717	65,490	0%
Commercial I	2,634	1,224,485	124,957	42,751	43,473	442,313	1,877,979	9%
Commercial II	36	257,662	20,237	2,199	-	1,092	281,190	1%
Commercial III	301	709,157	22,573	10,918	11,393	295,563	1,049,604	5%
Golf Course	15	3,565	150	-	-	-	3,715	0%
Hotel	58	1,235,046	73,447	85,409	94,003	721,608	2,209,514	10%
Irrigation	33	3,471	495	386	240	1,295	5,888	0%
Residential	48,366	4,542,987	718,781	428,809	361,836	5,156,044	11,208,456	52%
	52,291	**10,953,584**	**1,485,697**	**972,146**	**1,069,411**	**7,229,570**	**21,710,408**	**100%**
		50%	**7%**	**4%**	**5%**	**33%**		
						Less Allowance for Doubtful Accounts:	(9,122,247)	
						Net Accounts Receivable:	**12,588,161**	
					Days Receivables Outstanding		44	

As of December 31, 2021

Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
		A G I N G						
Government	436	$ 2,953,790	$ 518,446	$ 400,554	$ 557,843	$ 577,938	$ 5,008,571	29%
Agriculture	389	23,343	6,426	1,073	512	5,357	36,711	0%
Commercial I	2,462	1,219,598	121,483	38,768	36,304	258,048	1,674,201	10%
Commercial II	35	257,662	20,237	2,199	-	-	280,099	2%
Commercial III	287	708,074	22,573	10,918	11,393	241,445	994,403	6%
Golf Course	15	3,565	150	-	-	-	3,715	0%
Hotel	55	1,235,046	73,447	52,203	57,570	196,119	1,614,385	10%
Irrigation	32	3,471	495	386	240	-	4,593	0%
Residential	40,046	4,465,202	680,199	383,050	237,103	1,609,014	7,374,569	43%
	43,757	**10,869,752**	**1,443,458**	**889,150**	**900,966**	**2,887,922**	**16,991,247**	**100%**
		64%	**8%**	**5%**	**5%**	**17%**		
					Less Allowance for Doubtful Accounts:		(9,122,247)	
					Net Accounts Receivable:		**7,869,000**	

GUAM WATERWORKS AUTHORITY
Accounts Payable Aging

SCHEDULE J

As of	AGING						Days Payable Outstanding
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days	**Total**	
January 31, 2022	$ 3,402,922	$ 581,226	$ 338,798	$ 54,386	$ 255,631	**$ 4,632,962**	
	73%	13%	7%	1%	6%	**100%**	38
December 31, 2021	$ 2,819,878	$ 446,216	$ 101,899	$ 57,424	$ 255,129	**$ 3,680,546**	
	77%	12%	3%	2%	7%	**100%**	33
November 30, 2021	$ 2,384,367	$ 174,125	$ 98,099	$ 42,291	$ 364,326	**$ 3,063,209**	
	78%	6%	3%	1%	12%	**100%**	31

GUAM WATERWORKS AUTHORITY
WATER DEMAND BY RATE CLASS
FY2015 - FY2022

SCHEDULE K

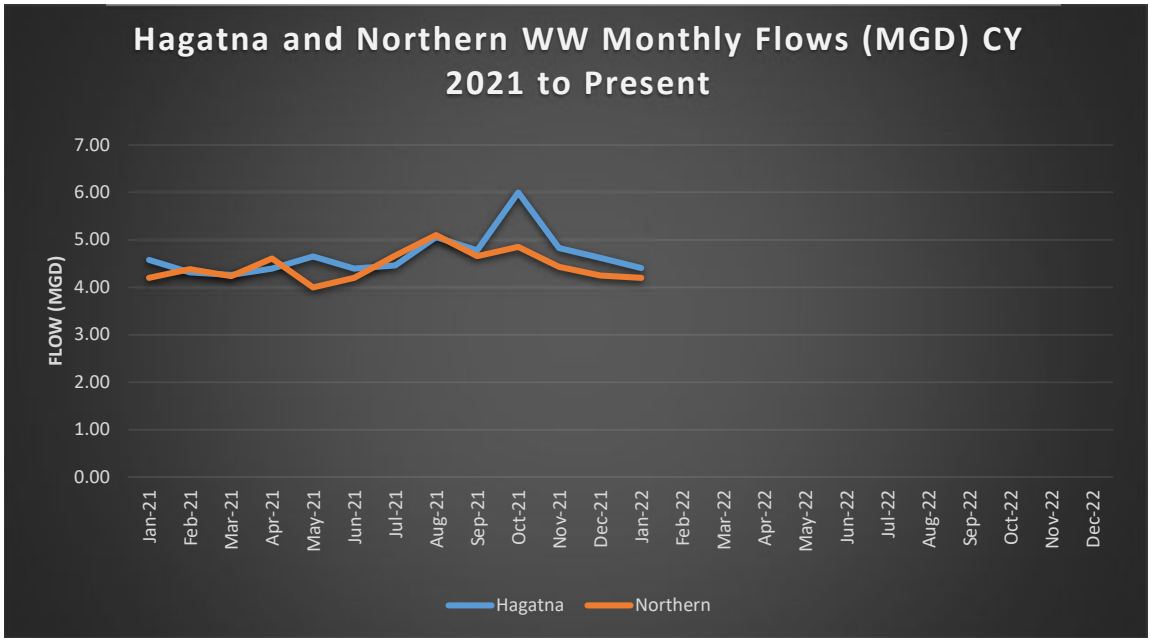
CLASS		AUDITED FY2015 TOTAL CONSUMPTION (kGal)	AUDITED FY2016 TOTAL CONSUMPTION (kGal)	AUDITED FY2017 TOTAL CONSUMPTION (kGal)	AUDITED FY2018 TOTAL CONSUMPTION (kGal)	AUDITED FY2019 TOTAL CONSUMPTION (kGal)	AUDITED FY2020 TOTAL CONSUMPTION (kGal)	UNAUDITED FY2021 TOTAL CONSUMPTION (kGal)	UNAUDITED FY2022 TOTAL CONSUMPTION (kGal)*	% Inc / (Dec.)
R	Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	3,712,723	3,622,617	3,566,006	-2%
C	Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	800,532	2%
F	Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,756	-15%
G	Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	458,171	13%
H	Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	390,015	-13%
G	Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	2,329	-18%
A	Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	61,597	-10%
I	Irrigation	10,385	11,351	10,143	8,504	7,896	8,654	5,404	3,876	-28%
	GRAND TOTAL	6,036,620	6,033,960	5,711,790	5,758,590	5,855,091	5,757,733	5,339,864	5,284,282	-1%

** 4 Months annualized*

Wastewater Treatment Plant Average Monthy Flows Million Gallons Per Day

2021	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-21	4.58	4.20	1.23	0.39	0.07
Feb-21	4.31	4.38	1.16	0.25	0.06
Mar-21	4.26	4.24	1.10	0.27	0.08
Apr-21	4.39	4.61	1.23	0.23	0.07
May-21	4.65	4.00	1.05	0.22	0.07
Jun-21	4.40	4.20	1.12	0.21	0.07
Jul-21	4.46	4.67	1.63	0.33	0.08
Aug-21	5.06	5.10	2.39	0.78	0.16
Sep-21	4.78	4.66	2.44	0.78	0.17
Oct-21	6.00	4.85	3.75	1.13	0.31
Nov-21	4.83	4.43	1.84	0.49	0.13
Dec-21	4.62	4.25	1.48	0.46	0.00
2021 Average MGD	**4.70**	**4.47**	**1.70**	**0.46**	**0.11**
2021 Total MGY	1,715	1,630	623	169	39
2022	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-22	4.41	4.20	1.26	0.42	0.10
Feb-22					
Mar-22					
Apr-22					
May-22					
Jun-22					
Jul-22					
Aug-22					
Sep-22					
Oct-22					
Nov-22					
Dec-22					
2022 Average MGD	**4.41**	**4.20**	**1.26**	**0.42**	**0.11**
2022 Total MGY	137	130	39	13	3

GWA WWT Flow Report 2019 to Present, prepared by kcog/df, 2/14/2022


Hagatna and Northern WW Monthly Flows (MGD) CY 2021 to Present
FLOW (MGD)
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Dec-21
Jan-22
Feb-22
Mar-22
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Jul-22
Aug-22
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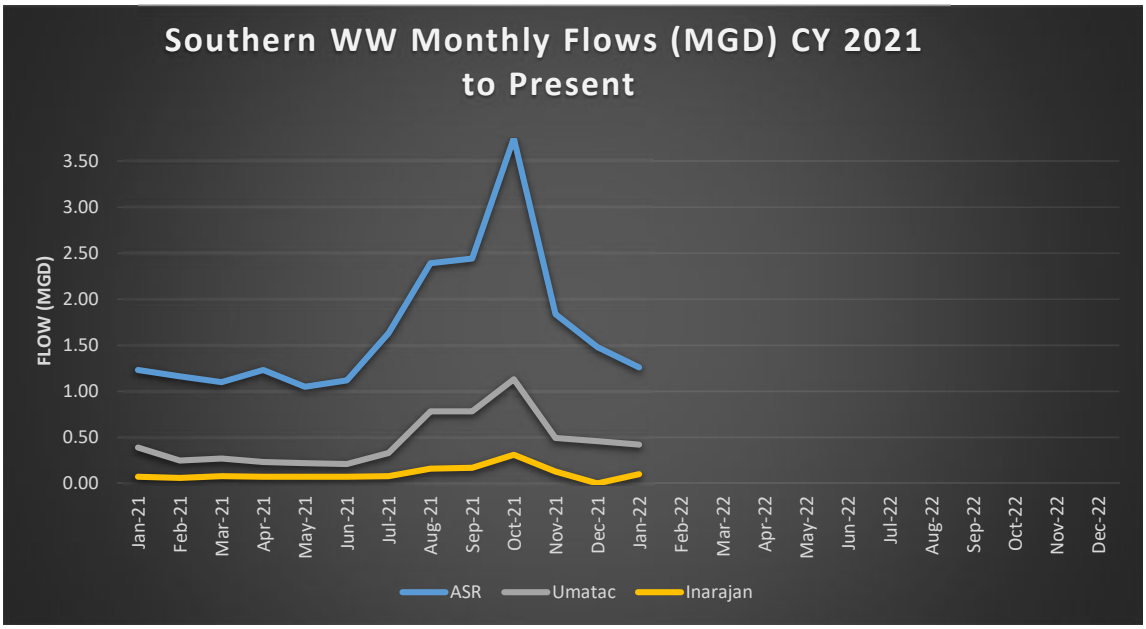
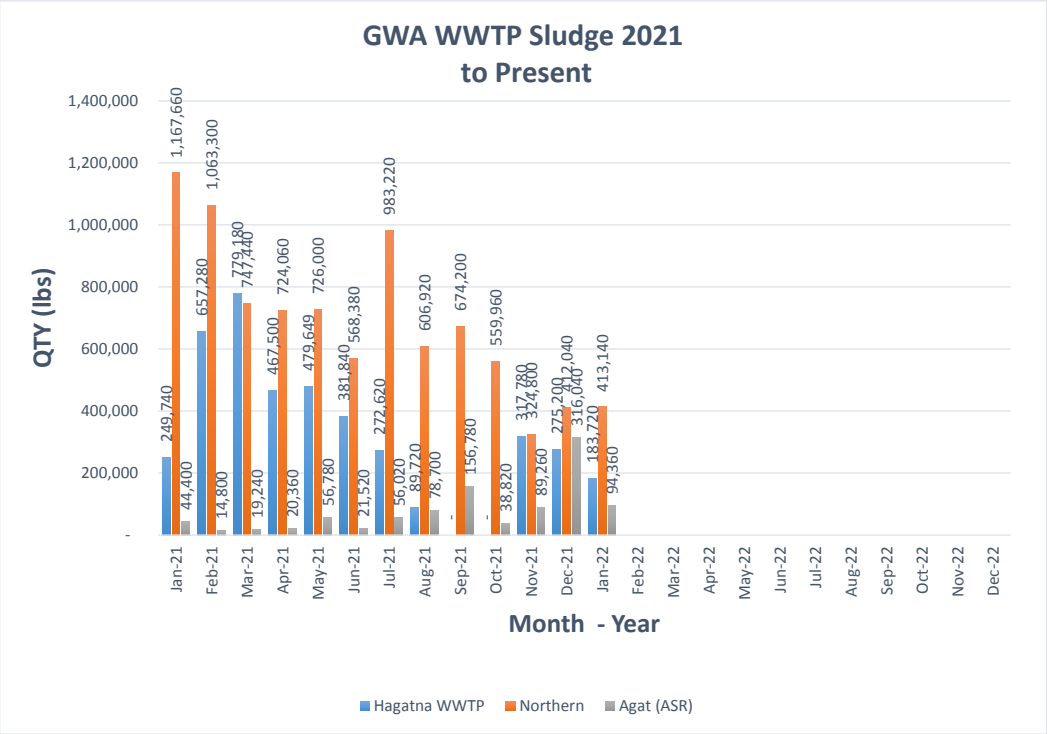
Oct-22
Nov-22
Dec-22
Hagatna
Northern

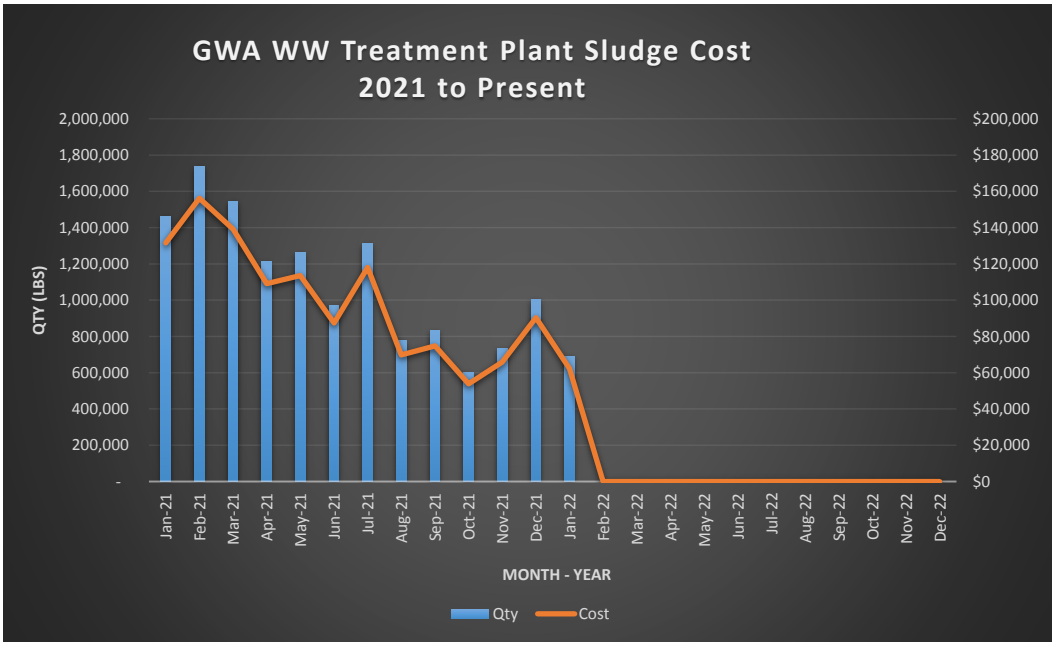

Southern WW Monthly Flows (MGD) CY 2021 to Present
FLOW (MGD)
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Dec-21
Jan-22
Feb-22
Mar-22
Apr-22
May-22
Jun-22
Jul-22
Aug-22
Sep-22
Oct-22
Nov-22
Dec-22
ASR
Umatac
Inarajan

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2021	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Month- Yr	lbs	$	lbs	$	lbs	$	lbs	$
Jan-21	249,740	$22,477	1,167,660	$105,089	44,400	$3,996	1,461,800	$131,562
Feb-21	657,280	$59,155	1,063,300	$95,697	14,800	$1,332	1,735,380	$156,184
Mar-21	779,180	$70,126	747,440	$67,270	19,240	$1,732	1,545,860	$139,127
Apr-21	467,500	$42,075	724,060	$65,165	20,360	$1,832	1,211,920	$109,073
May-21	479,649	$43,168	726,000	$65,340	56,780	$5,110	1,262,429	$113,619
Jun-21	381,840	$34,366	568,380	$51,154	21,520	$1,937	971,740	$87,457
Jul-21	272,620	$24,536	983,220	$88,490	56,020	$5,042	1,311,860	$118,067
Aug-21	89,720	$8,075	606,920	$54,623	78,700	$7,083	775,340	$69,781
Sep-21	-	$0	674,200	$60,678	156,780	$14,110	830,980	$74,788
Oct-21	-	$0	559,960	$50,396	38,820	$3,494	598,780	$53,890
Nov-21	317,780	$28,600	324,800	$29,232	89,260	$8,033	731,840	$65,866
Dec-21	275,200	$24,768	412,040	$37,084	316,040	$28,444	1,003,280	$90,295
Grand Total	3,970,509	$357,346	8,557,980	$770,218	912,720	$82,145	13,441,209	$1,209,709

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2022	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Month- Yr	lbs	$	lbs	$	lbs	$	lbs	$
Jan-22	183,720	$16,535	413,140	$37,183	94,360	$8,492	691,220	$62,210
Feb-22		$0		$0		$0	-	$0
Mar-22		$0		$0		$0	-	$0
Apr-22		$0		$0		$0	-	$0
May-22		$0		$0		$0	-	$0
Jun-22		$0		$0		$0	-	$0
Jul-22		$0		$0		$0	-	$0
Aug-22		$0		$0		$0	-	$0
Sep-22		$0		$0		$0	-	$0
Oct-22		$0		$0		$0	-	$0
Nov-22		$0		$0		$0	-	$0
Dec-22		$0		$0		$0	-	$0
Grand Total	183,720	$16,535	413,140	$37,183	94,360	$8,492	691,220	$62,210

Hagatna and Northern WWTP Sludge Report 2019 to present, GWA Operations kcog / df, 2/3/2022





Hagatna and Northern WWTP Sludge Report 2019 to present, GWA Operations kcog / df, 2/3/2022

Guam Waterworks Authority	Date: 2/9/2022

REVIEWS

TOTAL PUMPS INSTALLED	181	OVERAL AVERAGE	*87%*
TOTAL PUMPS OPERATIONAL	157	% OF OPERATING PUMPS	*87%*
TOTAL PUMP STATIONS	82		

GUAM WATERWORKS AUTHORITY

WASTEWATER FACILITIES REPORT

Northern District

NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	3	75%	GPA	A	P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs		Pending new pumps which are part of the Northern Treatment Plant upgrades	
2	FUJITA	1	4	3	75%	GPA	A	P#2 was removed 10-29-20 due to bearings issues. Pump at vendor pending repairs.				vendor is pending order for mechanical seal.	
3	YPAO	1	2	2	100%	GPA	A						
4	PASEO DE ORO	1	2	2	100%	GPA	A	Pump #1 was installed on 1-18-22					
5	HARMON	2	2	2	100%	GPA	A						
6	ROUTE 16	1	4	3	75%	GPA	M	P#3 secured due to damaged wear plate and defective check valve.					OR 50082 check valve OR 50487 wear plate
7	LATTE DOUBLE TROUBLE	1	2	1	50%	GPA	A	12-2-21, pump #1 was removed due to broken impeller	WO 1249603				OR 51687
8	LATTE SUN RISE	2	2	2	100%	GPA	A						
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A						
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	1	50%	GPA	A	Pump #1 was removed due to bearing issue	WO 1240813				OR 51377
13	HAFA ADAI	2	2	1	50%	GPA	A	P2 removed due to water had entered into the motor.	WO 1133763				PO 500312
14	YPAOPAO	1	3	1	33%	GPA	N/A	9-2-21, Pump #3 was removed due to pump was grounded. 1-5-21, Pump #2 was removed due to insulation of windings were low.	P#3 WO 1228469 P#2 WO 1257195				OR 51380
15	PACIFIC LATTE	2	2	2	100%	GPA	A						
16	YIGO	1	3	3	100%	GPA	A	Pump #3 on standby. No data plate to confirm FLA.					
17	ZERO DOWN	2	2	2	100%	GPA	A						
18	SANTA ANA	2	2	2	100%	GPA	A						
19	MACHANAONAO	1	2	2	100%	GPA	N/A						
20	FEMA 96	2	2	2	100%	GPA	A						
21	ASTUMBO 1	2	2	1	50%	GPA	A	Pump #2 was secured due to defective starting capacitor.	WO 1257204				
22	ASTUMBO 2	2	2	2	100%	GPA	A						
Total	**22**		**52**	**43**	**83%**								

Central District

NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	M						
2	COMMERCIAL PORT	1	3	3	100%	OP	A						
3	PITI	1	2	2	100%	GPA	A						
4	ASAN	1	2	2	100%	GPA	A						
5	SINAJANA	2	2	2	100%	GPA	A						
6	NEW CHAOT	1	3	2	67%	OP	A	Pump #1 was removed due to water was found in pothead. Motor needs to be rebaked and seals need to be changed out.	WO #1240795				OR 51375
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	2	100%	OP	A						
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	2	100%	INOP	A						
12	DOUBLE SHAFT	1	3	2	67%	OP	A	Pump 2 removed due to impeller broke/Shaft worn				Bid was awarded to JMI. ETA date 4/1/22	
13	NAMU	2	1	1	100%	OP	A						
14	TAI MANGILAO	1	3	3	100%	GPA	A						
15	MANGILAO	1	2	2	100%	GPA	A			Breaker for sump pump is defective	WO#1234269		
16	FIDIAN	2	2	2	100%	GPA	A	Pump #1 is secured due to oring on duct foot keeps coming out. Need to order from manufacturer.	WO 1234258				
17	LEYANG	2	2	1	50%	OP	A	Pump #2 was removed due to seal failure.	WO 1240816				OR 51378
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	2	100%	OP	A						
20	DAIRY	1	2	2	100%	INOP	A						
21	BARRIGADA	1	2	1	50%	GPA	A	Pump #1 was removed and sent to vendor for repairs.	WO 1221949				PO500339
22	TOTO GARDENS	2	2	2	100%	INOP	A						
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	2	100%	Portable	A			GPA RELOCATED GENERATOR			
25	MAITE	2	2	1	50%	GPA	A	Compressor # 2 leaking removed by maint. Pending installation of new compressor.	WO 1233984				
26	BAYSIDE	2	1	1	100%	INOP	A						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	3	100%	OP	A						
29	Agana Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned					
Total	**29**		**63**	**57**	**90%**								

Southern District

NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	2	50%	OP	MAN	Pump#2 and #5 was repaired and picked up from vendor. Pump #4 was placed back online. Pump #2 was installed on line #3 due to pump #3 was removed due to seal failure. Pump #5 was installed on line #5.	WO 1254742	#2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from ASRWWTP on #2 (IGBT burnt.)			VFDs replacement (OR 51690 pending OQ)
2	PUMP STATION #11	2	2	2	100%	INOP	AUTO						
3	PUMP STATION #12	1	2	1	50%	OP	AUTO	pump #1 was secured pending further investigation due to DI tripped indicating moisture in winding.					
4	PUMP STATION #14	2	2	1	50%	OP	AUTO	Pump#2 was removed due to motor was grounded.	WO 1235765				OR 51618
5	PUMP STATION #15	1	2	2	100%	INOP	AUTO			Pump #1 defective hourly meter.	20-05-1208		Generator Secured By GPA 4/18/20 due to Oil Leak.
6	PUMP STATION #16	2	2	2	100%	OP	AUTO						
7	PUMP STATION #17	2	2	2	100%	OP	AUTO						
8	PUMP STATION #18	2	2	2	100%	OP	AUTO						
9	INARAJAN MAIN	1	2	2	100%	OP	AUTO						
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO						
11	TALAFOFO	1	2	2	100%	OP	AUTO	1-17-20 Electricians determined that the sump pump is grounded and was recommended to be replaced. Entered work order into Lucity requesting maintenance to replace.	SUMP PUMP 20-01-073	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.		OQ 37914 & 37915 was submitted for replacement of blower fans and ventilation duct.	*Sump pumps OR 50370 (pending OQ)*
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALIGAN	2	2	2	100%	OP	MAN			Requesting for electricians to make assessments to ventilation system to make it operational.	(Vent- 19-12-0390)	12-23-19 Fred is working on getting a lift to be able to go to the roof top to make assessments on the motor.	Pending PO for lift for electricians to access roof top to inspect blower.
14	EJECTOR #2	2	2	2	100%	PORTABLE /INOP	NA						
15	EJECTOR #3	2	2	2	100%	PORTABLE /INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	1	50%	PORTABLE/INOP	NA	11-13-20 Compressor #1 was removed and to be used at Ejector 7 for compressor #1. Compressor was installed but pending motor installation.					
18	EJECTOR #6	2	2	2	100%	PORTABLE/INOP	NA						
19	EJECTOR #7	2	2	2	100%	PORTABLE/INOP	NA						
20	NORTH REYES	2	2	1	50%	PORTABLE/INOP	NA	Pump #1 was removed due to defective bearing issue.	WO 1236267				
21	LEYON #3 (DanDan)	2	2	2	100%	OP	MAN						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	2	67%	OP	AUTO	Pump #1 was removed due to seal failure.					
25	Windward Hills	1	3	1	33%	OP	AUTO	Pump #2 was removed due to motor grounded. Pump #3 was removed and brought to vendor for repairs due to bearing issue.	P#2 WO# 1246390 P#3 WO#1261825				P#2 PO 500981 P#3 OR 51976
26	Aplacho	1	3	3	100%	OP	AUTO						
27	Ladera #1	2	2	2	100%	PORTABLE	MAN						
28	Ladera #2	2	2	2	100%	PORTABLE	MAN						
29	Ayuyu	2	2	2	100%	PORTABLE	MAN						
30	Tenorio	2	2	2	100%	PORTABLE	MAN						
31	Taitague	2	2	2	100%	PORTABLE	MAN						
	31		**66**	**57**	**86%**								

GUAM WATERWORKS AUTHORITY

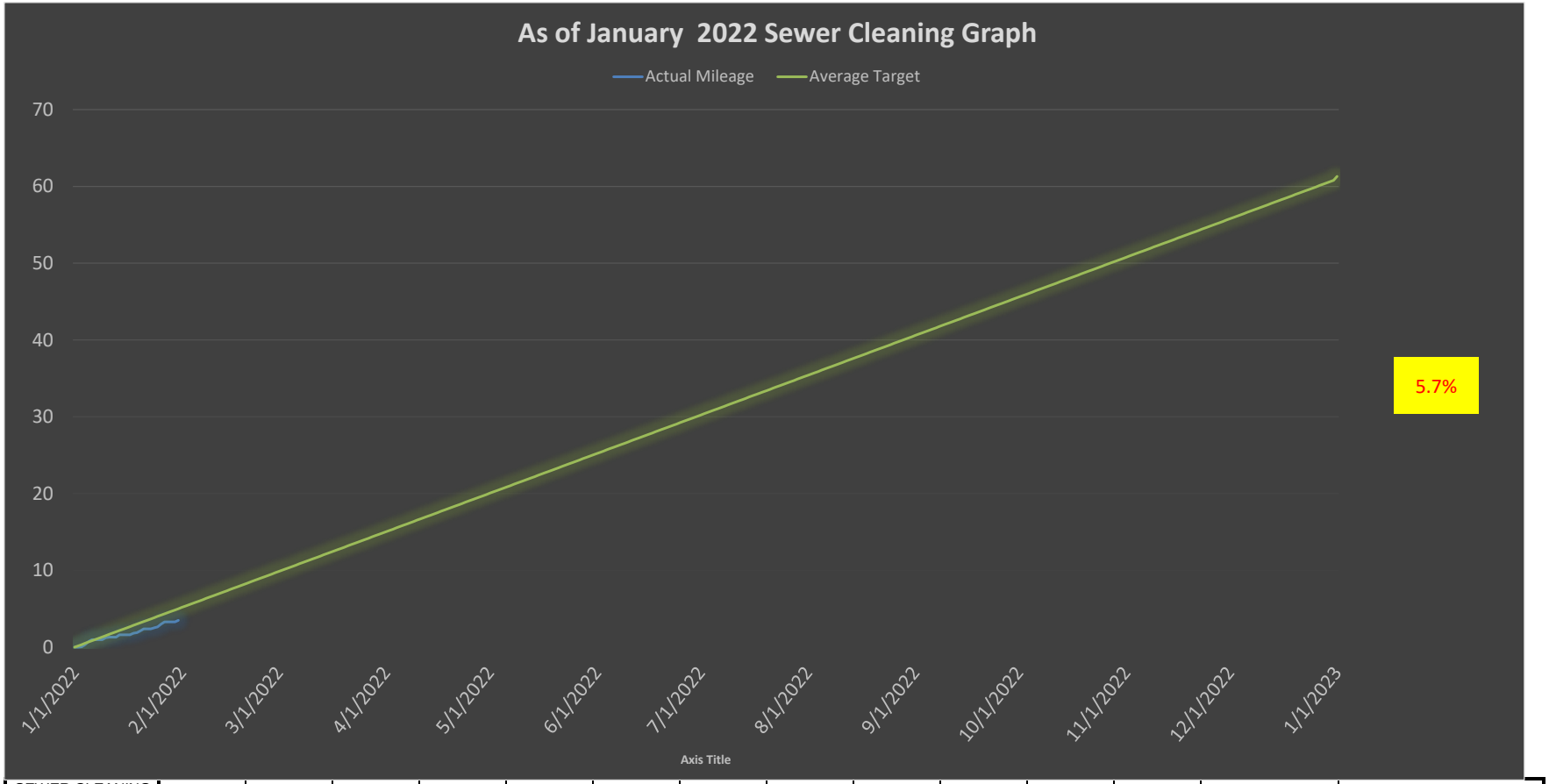
Guam Waterworks Authority

VEHICLE FLEET STATUS
1/28/2022

EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage
Backhoe (Leased)	3	3	0	100%
Dump Truck (Leased)	3	3	0	100%
Trailer (Leased)	3	3	0	100%
Backhoe	3	2	1	67%
Boom Truck	1	0	1	0%
Crane	1	1	0	100%
Dump Truck	1	1	0	100%
Forklift	6	4	2	67%
Fuel Tanker	1	1	0	100%
Heavy Duty	12	11	1	92%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	146	116	30	79%
Mini Backhoe	4	1	3	25%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	2	3	40%
Tractor	2	2	0	100%
Tractor Mower	1	1	0	100%
Trailer	17	14	3	82%
Trencher	1	0	1	0%
Vacuum Truck	5	4	1	80%
Water Buffalo	2	2	0	100%
Water Tanker	6	4	2	67%
Compressor	1	1	0	100%
Total	228	178	50	

SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
3	0	0	0	0	0	0
3	0	0	0	0	0	0
1	1	0	0	1	0	0
0	0	0	0	0	0	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
4	0	0	0	2	0	0
1	0	0	0	0	0	0
10	1	0	0	0	1	0
1	0	0	0	0	0	0
1	0	0	0	0	0	0
111	5	2	4	10	7	7
1	0	0	0	1	0	2
0	0	0	0	0	1	0
0	0	0	0	1	0	0
2	0	0	0	1	0	2
2	0	0	0	0	0	0
1	0	0	0	0	0	0
14	0	1	0	2	0	0
0	0	0	0	1	0	0
3	1	0	0	0	1	0
2	0	0	0	0	0	0
3	1	0	0	0	2	0
1	0	0	0	0	0	0
168	10	3	4	19	12	12

Agafagumas
AGAGA AVE
APACA AVE
AMARILLO AVE
AZUD AVE
AMAGUNA AVE



SEWER CLEANING	January	February	March	April	May	June	July	August	September	October	November	December	Miles Completed	Miles Excess/(Remaining)
SL-RAT	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49	***-55.71***

5 miles a month required, 59.2 miles a year to complete for 2021 (296 miles to complete in 5 years)

306.83 miles/ 5yrs = 61.3 miles/yr
61.3 miles/12 months = 5.10 miles/month
5.10 miles x 5,280ft = 26,928 ft. / 4 weeks = 6,732 ft. Per week reqired to be completed
6,732 ft / 5 days = 1,346.4ft required to be completed daily

Guam Waterworks Authority	Date: 1/28/2022 Time:

GUAM WATERWORKS AUTHORITY

WATER DISTRIBUTION FACILITIES REPORT

REVIEWS			
TOTAL PUMPS INSTALLED	55	OVERAL AVERAGE	*91%*
TOTAL PUMPS OPERATIONAL	50	% OF OPERATING PUMPS	*91%*
TOTAL BOOSTER PUMP STATIONS	27		

Northern District

NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
1	Yigo	30	3	3	100%	OP	A						
2	Gayinero	20	2	2	100%	OP	A						
3	Mataguac	25	2	1	50%	OP	A	Pump 1 motor burnt. PO issued to JMI for new motor.					
4	Santa Rosa	15	2	1	50%	OP	A	Pump needs to be replaced, pending access to building due to open trench for tank project.					
5	Hyundai	40	2	1	50%	OP	A	1-29-21 work still ongoing with upgrading control wires. One pump placed on standby.		Electrical wires being upgraded.			
6	Chln. Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Agana Heights	30	3	3	100%		A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
10	Adawag	1.5	1	1	100%	N/A							
11	Pale Kiren	1	1	1	100%	N/A							
12	Ulloa/Untalan	1	2	2	100%	OP	A						
13	Latte Heights	15	2	2	100%	OP	A						
	TOTAL = 13		**26**	**23**	**88%**								
pump availability =no of operational pumps/no of pumps*100%													

Central District

NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	2	67%	0P	A	Pump 3 shaft repaired. Pump 1 VFD showing ground fault. ETA for parts March 2022					
2	Brigade	60 / 20	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	2	67%	OP	A	Pump 3 pending mechanical seals and rebuild kit. 1-28-22 delivery date not available					
4	Santa Rita Spring	40	2	2	100%	OP	A						
5	Santa Ana (Lower)	25	1	1	100%	N/A		1-29-21 Renovation of station started. One pump remains in service during this period. 12-30-21 Renovation still ongoing					
6	Camacho	1	1	1	100%	N/A							
7	Tenorio	1.5	1	1	100%	N/A							
	Total=7		**14**	**12**	**86%**								
pump availability =no of operational pumps/no of pumps*100%													

Southern District

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