



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, January 18, 2022

AGENDA

1. CALL TO ORDER

2. ISSUES FOR DECISION

- 2.1 [Relative to Approval of Transfers from the GWA Rate Stabilization Fund to the Operating Fund / Resolution No. 06-FY2022](#)
- 2.2 [Relative to Requesting Approval to Procure an Indefinite Delivery/Indefinite Quantity Design-Build Services Contract and an Indefinite Delivery/Indefinite Quantity Professional Project/Construction Management Services Contract for GWA's Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Project / Resolution No. 07-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: January 20; CCU Regular Monthly Mtg.: January 25](#)

6. EXECUTIVE SESSION

- 6.1 [Litigation Matter](#)

7. ADJOURNMENT



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

Issues for Decision

Resolution No. 06- FY2022

Relative to Transfers from the GWA Rate Stabilization Fund to the GWA General Fund

Background

On February 23, 2021, the Consolidated Commission on Utilities (CCU) approved Resolution 11-FY2021 Establishment of the GWA Rate Stabilization Fund. The Rate Stabilization Fund (RSF) serves as a tool to mitigate financial risks particularly given the uncertainties of the COVID-19 related impacts on the economy and its effects on GWA revenues and debt service coverage (DSC).

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.

Resolution 11-FY2021 requires that any transfers out of the RSF be formally approved as part of the annual budget. Because the final FY2022 Budget is pending the Public Utility Commission (PUC) action on the Comprehensive Review and Update (CR&U) of GWA's 5-Year Financial Plan submitted in May 2021, the CCU approved a rollover of the FY21 budget in Resolution 26-FY2021 in anticipation that the PUC would act before the end of FY2021 as required by February 2020 Stipulation and Rate Order. However, the PUC Administrative Law Judge has yet to issue the proposed rate order, nor has he scheduled the PUC meeting to approve such order.

To ensure that GWA does not fall below the required 1.25 DSC as required by the bond indenture, approval is requested to transfer up to \$2 million out of the RSF and into GWA's operating account. Once the PUC has issued the rate order for FY22, GWA management will submit an updated budget resolution for the CCU's consideration and will include any proposed updates for RSF transfers.

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

In the CCU-approved May 1st CR&U submittal to the PUC, transfers from the RSF were planned for FY2022 largely because projected demand is lower than normal as a result of the impacts of the COVID-19 pandemic. Adding to this, PUC action on proposed rate increases have been delayed, creating further impacts to current revenues and financial performance. For these reasons, transfers from the RSF may be necessary to meet the required debt service coverage until such time the rate order has been issued. GWA will continue implemented cost containment measures. However, it is now necessary to use planned transfers from the RSF to ensure the required DSC is met.

Where is the location?

The Rate Stabilization Fund is set up as a separate account under control of the trustee.

How much will it cost?

There are no costs per se, simply a transfer of funds. It is proposed that no more than \$2 million be available for transfers from the RSF into the GWA General Fund.

When will it be completed?

Transfers will only be made if it appears the DSC may fall below the required 1.25 coverage.

What is the funding source?

Funds would be transferred from the GWA Rate Stabilization Fund into the GWA General Fund.

The RFP/BID responses (if applicable):

Not applicable. GWA will work with the current trustee.



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GWA RESOLUTION NO. 06-FY2022

**RELATIVE TO TRANSFERS FROM THE GWA RATE STABILIZATION FUND TO
THE GWA GENERAL FUND**

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”, “Authority”); and

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

WHEREAS, the CCU approved Resolution 11-FY2021 Establishment of the GWA Rate Stabilization Fund (RSF) to provide a tool to manage financial risks associated with the uncertainties of COVID-19 related impacts on the economy and its effects on GWA revenues and debt service coverage; and

WHEREAS, GWA transferred \$11.4 million from GWA’s Working Capital Reserves into the RSF in September 2021 as authorized by Resolution 11-FY2021; and

WHEREAS, the CCU adopted GWA Resolution 18-FY2021 Relative to Approving the GWA Five-Year Financial Plan Update on April 27, 2021; and

WHEREAS, as required by the Public Utility Commission (PUC) FY20 Rate Decision and Order, on May 1, 2021, GWA submitted the Comprehensive Review and Update to GWA’s Five Year Financial Plan (Updated Financial Plan) to the PUC; and

WHEREAS, although the PUC FY20 Rate Decision and Order, and associated Stipulation, required the PUC to act on the Comprehensive Review and Update and set rates for

1 FY2022 through FY2024 by September 30, 2021, the PUC's consultants have delayed action in
2 the proceeding; and

3
4 **WHEREAS**, because of these delays, GWA presented and the CCU approved GWA
5 Resolution No. 26-FY2020 Relative to the Adoption of Guam Waterworks Authority Interim
6 Fiscal Year 2022 Operating Budget on August 24, 2021, pending PUC action on the Updated
7 Financial Plan; and

8
9 **WHEREAS**, on November 22, 2021, the PUC Administrative Law Judge vacated the
10 deadlines in the previous scheduling order related to the report and proposed rate order and has
11 not provided an updated schedule for such nor for the PUC meeting to act on GWA's Updated
12 Financial Plan; and

13
14 **WHEREAS**, while GWA continues to manage its costs, GWA financial performance has
15 been impacted by revenue loss and economic disruption associated with the COVID-19 Public
16 Health Emergency; and

17
18 **WHEREAS**, the planned use of RSF transfers to augment revenues for FY2022 are now
19 required to maintain DSC in light of the projected demands and delayed action on GWA's
20 Updated Financial Plan; and

21
22 **WHEREAS**, *Section 5.02 Allocation of Revenues* of the Bond Indenture states that funds
23 flow into the Rate Stabilization Fund in *the amount specified for such month in a Certificate of*
24 *the Authority which also certifies that such amount is consistent with the annual budget*
25 *established by the Authority*, and *Section 6.08 Authority Budgets* of the Bond Indenture states
26 that *the Authority, as part of the annual budget, may transfer funds to or from the Rate*
27 *Stabilization Fund each month*; and

28
29 **WHEREAS**, Resolution 11-FY2021 requires that the CCU formally approve any
30 planned utilization (transfers out) of the RSF;

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 it would be prudent to approve a transfer of up to \$2 million from the GWA Rate Stabilization Fund into the GWA General Fund to ensure that GWA continues to meet the debt service coverage of 1.25x required by the bond indenture and Working Capital Reserves equal to at least 120 days of annual Operations and Maintenance expenses.
3. The CCU finds that the adoption of this policy promotes best practice in utility management by establishing an additional mechanism for managing uncertainties and risks and promoting predictable rates consistent with community expectations and acceptability.
4. The CCU directs that GWA Management shall notify the CCU of any utilization (transfers out) of the Rate Stabilization Fund.
5. The CCU directs GWA Management to include updates to the RSF in the FY22 budget resolution to be provided upon action by the PUC on GWA's Updated Financial Plan.

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

DULY AND REGULARLY ADOPTED, this 25th day of January 2022.

Certified by:

Attested by:

JOSEPH T. DUENAS

Chairperson

MICHAEL T. LIMTIACO

Secretary

//

//

SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSENT: _____

ABSTAIN: _____

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

Issues for Decision

Resolution No. 07-FY2022

Relative to Requesting Approval to Procure an Indefinite Delivery/Indefinite Quantity Design-Build Services Contract and an Indefinite Delivery/Indefinite Quantity Professional Project/Construction Management Services Contract for GWA's Islandwide Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement Project

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

The objective of this project is to seek CCU approval to petition the Public Utilities Commission (PUC) for the procurement of:

- (1) an Indefinite Delivery/Indefinite Quantity (IDIQ) Design-Build services contract for the Islandwide Sewer Collection/Transmission Repair, Rehabilitation, and Replacement Project, and
- (2) an IDIQ Project/Construction Management services contract to support the Sewer Collection/Transmission Repair, Rehabilitation, and Replacement Project.

The IDIQ contracts are anticipated to exceed \$1,000,000.00 and therefore require PUC approval for procurement, per the Contract Review Protocol.

Due to the multiple sewer locations in need of repair, rehabilitation, or replacement, multiple contracts per IDIQ procurement will be considered.

The project will improve the sewer collection/transmission system, which includes repairing, rehabilitating and/or replacing sewer gravity lines, manholes, laterals, force mains (FM), and related appurtenances. GWA endeavors to enter into contracts to repair, rehabilitate, or replace the sewer collection/transmission system for the protection of human and environmental health, in anticipation of a consent decree with the United States Environmental Protection Agency (USEPA), and to have services in place to complete both planned upgrades and emergency repairs that because of required repair/rehabilitation methods or project scale, are best performed by a contractor over in-house maintenance resources.

Where is the location?

Project sites will be islandwide, based on priority and funding. Project locations to be considered include, but are not limited to, the following sites identified in GWA's 2018 Water Resources Master Plan Update: Route 10 Barrigada gravity sewer, Route 1 Piti gravity sewer, Finile Drive Agat gravity sewer, and Route 1 Asan force main.

How much will it cost?

The Master Plan projects identified above have an estimated construction cost of \$13,030,000.00. The addition of other project sites may increase this total.

The project/construction management contract is anticipated to exceed \$1,000,000.00, based on the current construction management contract for the Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement Project (\$1,557,671.45).

When will it be completed?

The completion of task orders will depend both on regulatory priority and on site-specific conditions including, the severity of repairs, extent of sewer replacement, environmental conditions, and permitting requirements. The contracts will be for five years at the start of the Notice to Proceed, with the option to extend per Guam law.

What is the funding source?

The funding for this project is available through bonds identified on GWA's Capital Improvements Plan, Grants, Internally Funded CIP (revenues) and System Development Charge Funds.



CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
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GWA RESOLUTION NO. 07-FY2022

**RELATIVE TO REQUESTING APPROVAL TO PROCURE AN INDEFINITE
DELIVERY/INDEFINITE QUANTITY DESIGN-BUILD SERVICES CONTRACT AND
AN INDEFINITE DELIVERY/INDEFINITE QUANTITY PROFESSIONAL
PROJECT/CONSTRUCTION MANAGEMENT SERVICES CONTRACT FOR GWA'S
ISLANDWIDE SEWER COLLECTION/TRANSMISSION SYSTEM REPAIR,
REHABILITATION, AND REPLACEMENT 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 is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA's public wastewater collection/transmission system, consisting of gravity mains, manholes (MH), laterals, force mains (FM), and related appurtenances, is in need of repair, rehabilitation, or replacement in various locations island-wide; and

WHEREAS, the GWA public wastewater collection/transmission system, is in occasional need of design-build services to address emergency repairs that exceed in-house resources; and

WHEREAS, GWA endeavors to enter into a contract to repair, rehabilitate, or replace the wastewater collection/transmission system for the protection of human and environmental health, and in anticipation of a consent decree with the United States Environmental Protection Agency (USEPA); and

WHEREAS, a variety of repair methods will be considered and used, to include Cured-in-Place-Pipe (CIPP), spot repairs, open-trench pipe replacement depending on the situation and

1 location of sewer, with a primary consideration to minimize impacts while ensuring continuity
2 and quality of service, which require specialized services; and
3

4 **WHEREAS**, funding is available through bonds identified on the GWA Capital
5 Improvements Plan, grants, internally funded capital improvement program (IFCIP) funds, and
6 System Development Charge Funds; and
7

8 **WHEREAS**, GWA is seeking an experienced and qualified sewer design-build
9 contractor to provide Indefinite Delivery – Indefinite Quantity (IDIQ) Sewer
10 Collection/Transmission System Repair, Rehabilitation, and Replacement services while
11 ensuring continuity of sewer service to customers and minimizing adverse impacts to the island;
12 and
13

14 **WHEREAS**, the IDIQ design-build contractor will be selected through a Multi-step
15 Sealed Bidding, consisting of a first step during which bidders submit un-priced technical offers
16 to be evaluated by GWA and a second step, under which those bidders whose technical offers
17 have been qualified under the criteria set forth during the first step solicitation, provide priced,
18 sealed bids; and
19

20 **WHEREAS**, GWA is seeking experienced and qualified professionals to provide IDIQ
21 Project/Construction Management services to support the IDIQ design-build of the Sewer
22 Collection/Transmission System Repair, Rehabilitation, and Replacement project; and
23

24 **WHEREAS**, the IDIQ Project/Construction Management services will be procured
25 through a request for proposals; and
26

27 **WHEREAS**, project locations to be considered include, but are not limited to, the
28 following sites identified in GWA's 2018 Water Resources Master Plan Update: Route 10
29 Barrigada gravity sewer, Route 1 Piti gravity sewer, Finile Drive Agat gravity sewer, and Route
30 1 Asan force main (see Exhibit A), with other locations to be determined based on priority and
31 funding; and
32

1 **WHEREAS**, due to the multiple sewer locations in need of repair, rehabilitation, or
 2 replacement, multiple contracts per IDIQ procurement will be considered; and

3
 4 **WHEREAS**, the design and construction cost of the identified projects were estimated to
 5 total Thirteen Million Thirty Thousand Dollars (\$13,030,000.00) in the 2018 Master Plan (see
 6 Exhibit A) and additional projects or escalation factors occurring since the original estimates
 7 were prepared may increase the contract value; and

8
 9 **WHEREAS**, the cost of IDIQ project/construction management contract is anticipated to
 10 exceed One Million Dollars (\$1,000,000.00) based on the current construction management
 11 contract for the Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement
 12 Project (see Exhibit B); and

13
 14 **WHEREAS**, the Public Utilities Commission (PUC) contract review protocol requires
 15 GWA to obtain approval prior to advertising procurement for projects with an anticipated value
 16 of One Million Dollars (\$1,000,000.00) or greater; and

17
 18 **WHEREAS**, the CCU must approve all petitions to the PUC.

19
 20 **NOW BE IT THEREFORE RESOLVED**, that the Consolidated Commission on
 21 Utilities does hereby approve the following:

- 22 1. The recitals set forth above hereby constitute the findings of the CCU.
- 23 2. The CCU finds that the IDIQ Design-Build Sewer Collection/Transmission
 24 System Repair, Rehabilitation, and Replacement is necessary for the protection of
 25 human and environmental health, and to meet the anticipated consent decree with
 26 the United States Environmental Protection Agency.
- 27 3. The CCU finds that the IDIQ Professional Project/Construction Management
 28 Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement
 29 is necessary to support the IDIQ Design-Build Sewer Collection/Transmission
 30 System Repair, Rehabilitation, and Replacement Project.
- 31 4. The CCU hereby further approves management to submit a petition to the PUC
 32 for the procurement of one IDIQ Design-Build solicitation and one IDIQ

1 Project/Construction Management solicitation for island-wide sewer repair,
2 rehabilitation, and replacement.

3
4 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption
5 of this Resolution.

6
7 **DULY AND REGULARLY ADOPTED**, this 25th day of January, 2022.

8
9 Certified by:

Attested by:

10
11 _____
12 **JOSEPH T. DUENAS**
13 Chairperson

14 _____
15 **MICHAEL T. LIMTIACO**
16 Secretary

17
18 **SECRETARY'S CERTIFICATE**

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

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

25 AYES: _____

26 NAYS: _____

27 ABSENT: _____

28 ABSTAIN: _____

29 ///

30
31
32 ///

EXHIBIT A

GWA Master Plan Projects

Number	Project	Cost Estimate
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement	\$5,420,000
MP-WW-Pipe-03	Route 1 Piti Pipe Rehabilitation/Replacement	\$4,480,000
MP-WW-Pipe-26	Finile Drive Rehabilitation – Agat	\$830,000
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement	\$2,300,000
Total		\$13,030,000

Barrigada Pump Station Pipe Rehabilitation/Replacement			
Project Number	MP-WW-Pipe-02	Basin	Hagåtña
Description	Replace approximately 4,420 feet of gravity piping along Route 10 from the Mangilao force main to the Barrigada pump station (shown below in yellow). Section 8 discusses I/I issues along this pipeline that should be investigated before replacing this pipeline.		
Justification	The original pipeline liner is blistering and separating from the pipe. The pipeline will probably need to be replaced.		
Proposed Schedule	Begin Design: 2022		
Cost Estimate	\$5.42M		
Reference Documents	WRMPU Volume 3, Section 4, Table 4-13		



This proposed project is subject to change. Projects will generally include an engineering study, detailed design, and field verification to refine the exact project scope and budget. Costs are presented in 2017 dollars and do not account for increases due to inflation and escalation. See Volume 1, Appendix D for cost estimate assumptions.

Route 1 Piti Pipe Rehabilitation/Replacement			
Project Number	MP-WW-Pipe-03	Basin	Hagåtña
Description	Rehabilitate or replace approximately 4,675 feet of gravity piping in Piti along Marine Corp Drive (shown below in yellow). The project will evaluate the use of CIPP options and open cut and replace construction to complete the necessary repairs.		
Justification	The original liner on this pipeline is in poor condition. The crowns of the pipes are deteriorated and GWA is concerned that jetting the pipe for routine maintenance could cause a failure.		
Proposed Schedule	Begin Design: 2018		
Cost Estimate	\$4.48M		
Reference Documents	WRMPU Volume 3, Section 4, Table 4-13		



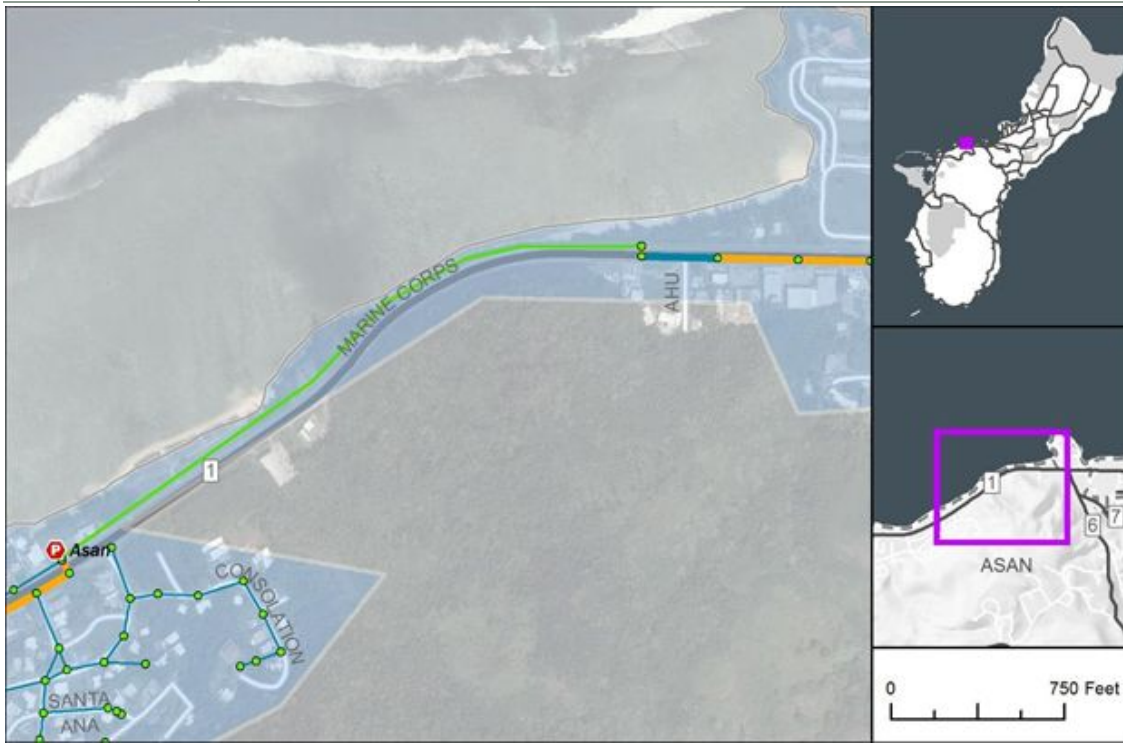
This proposed project is subject to change. Projects will generally include an engineering study, detailed design, and field verification to refine the exact project scope and budget. Costs are presented in 2017 dollars and do not account for increases due to inflation and escalation. See Volume 1, Appendix D for cost estimate assumptions.

Finile Drive Rehabilitation - Agat			
Project Number	MP-WW-Pipe-26	Basin	Agat
Description	Rehabilitate or replace approximately 1,540 feet of gravity piping in Agat along Finile Drive (shown below in red and orange). The project will evaluate the use of CIPP options and open cut and replace construction to complete the necessary repairs.		
Justification	This piping has been identified by field investigation to be in very poor condition and requires rehabilitation or replacement.		
Proposed Schedule	Begin Design: 2019		
Cost Estimate	\$830,000		
Reference Documents	Southern SSES Rehabilitation – Phase 1 (Agat-Santa Rita-Umatac-Merizo) (BC, 2016)		



This proposed project is subject to change. Projects will generally include an engineering study, detailed design, and field verification to refine the exact project scope and budget. Costs are presented in 2017 dollars and do not account for increases due to inflation and escalation. See Volume 1, Appendix D for cost estimate assumptions.

Route 1 Asan Force Main Rehabilitation/Replacement			
Project Number	MP-WW-FM-03	Basin	Hagåtña
Description	Replace the force main along Route 1 (shown below in green).		
Justification	The force main has been exposed in this location due to erosion along the coastline. The pipe has required spot repairs in the past and a long-term solution is required.		
Proposed Schedule	Begin Design: 2018		
Cost Estimate	\$2.30M		
Reference Documents	WRMPU Volume 3, Section 5.2		



This proposed project is subject to change. Projects will generally include an engineering study, detailed design, and field verification to refine the exact project scope and budget. Costs are presented in 2017 dollars and do not account for increases due to inflation and escalation. See Volume 1, Appendix D for cost estimate assumptions.



EXHIBIT B

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

GWA RESOLUTION NO. 04-FY2021

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

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

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

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

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

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

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

Pump Station, through Invitation for Re-Bid No. IFB-11-ENG-2017 (GWA Project No. S15-002-EPA) and Phase II, from the Asan Pump Station to Adelup and toward Hagatna, was recently advertised through Invitation for Bid no. IFB-06-ENG-2020 (GWA Project No. S15-002-EPA); and

WHEREAS, GWA selected Duenas, Camacho & Associates, Inc. (DCA) for the CM Services, and negotiated with DCA for Phase I in the amount of amount of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41); and

WHEREAS, by Resolution No. 30-FY2018, see Exhibit A, the CCU authorized awarding the CM services contract to DCA and CM services was contracted to DCA for a maximum amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars and Forty-Five Cents (\$957,671.45) which included Eighty-Seven Thousand Sixty-One Dollars and Four Cents (\$87,061.04) for contingencies; and,

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

WHEREAS, GWA is preparing to award a contract to the lowest responsive and responsible bidder under the Phase II IFB; and,

WHEREAS, GWA requires CM services for Phase II construction and has negotiated a fair and reasonable fee for such services from DCA under the scope of work advertised under Request for Proposal No. RFP-04-ENG-2017; and,

WHEREAS, GWA management is requesting to amend the DCA contract to provide construction management services for Phase II in the amount of Five Hundred Seventy-One Thousand Five Hundred Fifty (\$571,550.00), see Exhibit B, including a contingency amount of Twenty-Eight Thousand Four Hundred Fifty Dollars (\$28,450.00), for a total amount of Six Hundred Thousand Dollars (\$600,000.00); and,

1 **WHEREAS**, funding for this project will be from the USEPA State Revolving Fund and,
2 if necessary, GWA Bond funds.

3
4 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
5 does hereby approve the following:

- 6 1. The recitals set forth above hereby constitute the findings of the CCU.
- 7 2. The CCU finds that the terms of the fee proposal submitted by DCA are fair
8 and reasonable (See Exhibit B).
- 9 3. The CCU finds that the terms of the conditions set by GWA relative to
10 commencement of work activities are fair and reasonable and serve as a
11 measure of Quality Assurance/Quality Control (QA/QC).
- 12 4. The CCU hereby authorizes the management of GWA to execute a Change
13 Order to the contract with DCA in the amount of Six Hundred Thousand
14 Dollars (\$600,000.00).
- 15 5. The CCU hereby further approves the total funding for the CM contract with
16 DCA in the amount of One Million Five Hundred Fifty-Seven Thousand Six
17 Hundred and Seventy-One Dollars and Forty-Five Cents (\$1,557,671.45).
- 18

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

21
22 **DULY AND REGULARLY ADOPTED**, this 24th day of November 2020.

23
24 Certified by:

Attested by:

25
26 

25
26 

27 **JOSEPH T. DUENAS**

27 **MICHAEL T. LIMTIACO**

28 Chairperson

28 Secretary

29 //

30
31 //

SECRETARY'S CERTIFICATE

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

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

AYES:	<u>5</u>
NAYS:	<u>0</u>
ABSENT:	<u>0</u>
ABSTAIN:	<u>0</u>



EXHIBIT A



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

RESOLUTION NO. 30-FY2018

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

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

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

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

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

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

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

1
2 **WHEREAS**, GWA and USEPA agree that efforts to rehabilitate, repair or replace these
3 sewer lines are necessary and the proceeding order to accomplish such task is through services
4 that include construction management; and

5
6 **WHEREAS**, GWA has advertised the Request for Proposal (RFP-04-ENG-2017) dated
7 March 30, 2017, soliciting statement of qualifications from experienced and qualified
8 engineering firms to provide construction management services for the ASAN-ADELUP-
9 HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT;
10 and

11
12 **WHEREAS**, RFP packages were downloaded by multiple interested parties, from which
13 GWA received proposal submittal from eight (8) engineering firms before the RFP submittal
14 deadline; and

15
16 **WHEREAS**, the GWA A-E Selection Committee reviewed and evaluated the eight (8)
17 proposals (see EXHIBIT A-Evaluation Score) and generated a short list of the top three (3) firms
18 with a recommendation to award a contract to the firm DUENAS, CAMACHO &
19 ASSOCIATES, INC. ("DCA") and any successor at interest thereto (see EXHIBIT B- GM
20 Determination); and

21
22 **WHEREAS**, GWA advertised the initial Invitation to Bid (IFB-06-ENG-2017) for the
23 construction of this project on May 12, 2017, and received no responsive and responsible
24 bidders; and

25
26 **WHEREAS**, GWA advertised a second time, with the Invitation to Re-Bid (IFB-11-
27 ENG-2017) on October 31, 2017, and again received no responsive and responsible bidders; and

28
29 **WHEREAS**, Following the second attempt, GWA revised the bid documents and Bid
30 Form to include two separate, independent Bid Schedules, Bid Schedule A and Bid Schedule B,
31 with Bid Schedule A being primarily repairs by Cured-In-Place-Pipe installation, and Bid
32 Schedule B being repairs entirely by Open Cut and Replacement; and

1
2 **WHEREAS**, GWA advertised the next Invitation to Re-Bid (IFB-05-ENG-2018) on May
3 4, 2018, with the two revised Bid Schedules; and
4

5 **WHEREAS**, Bid Schedule A will be opened first, and if bids should be opened and
6 found to be responsive and responsible, the lowest responsive and responsible bid will be
7 selected; and
8

9 **WHEREAS**, if no Contractors submit for Bid Schedule A, Bid Schedule B will then be
10 opened, and the lowest responsive and responsible bid will be selected from Bid Schedule B; and
11

12 **WHEREAS**, DCA and GWA negotiated the price for the construction management
13 services to be provided if either Bid Schedule A or Bid Schedule B is selected; and
14

15 **WHEREAS**, If Bid Schedule A is selected, the construction management services with
16 DCA will be in the amount of Six Hundred Eighty-Three Thousand Nine Hundred Thirty-One
17 Dollars and Thirty-Four Cents (\$683,931.34) on a Time and Materials basis (See EXHIBIT C –
18 Fee Proposal); and
19

20 **WHEREAS**, If Bid Schedule B is selected, the construction management services with
21 DCA will be in the amount of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and
22 Forty-One Cents (\$870,610.41) on a Time and Materials basis (See EXHIBIT C – Fee Proposal);
23 and
24

25 **WHEREAS**, GWA Management seeks approval of the fee proposal for the Scope of
26 Work relative to the construction Bid Schedule B, which includes construction management,
27 inspection, and project coordination services during construction of Eight Hundred Seventy
28 Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41), plus a ten percent
29 (10%) contingency of Eighty-Seven Thousand Sixty-One Dollars and Four Cents (\$87,061.04),
30 for a total amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars
31 and Forty-Five Cents (\$957,671.45); and
32

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

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

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

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

//

//

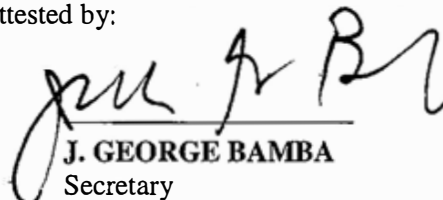
DULY AND REGULARLY ADOPTED, this 22nd day of May 2018.

Certified by:

Attested by:



JOSEPH T. DUENAS
Chairperson



J. GEORGE BAMBA
Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

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

AYES: 4
 NAYS: 0
 ABSTENTIONS: 0
 ABSENT: 1



///

///

///

///

Exhibit A (1 of 2)



GUAM WATERWORKS AUTHORITY

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

May 19, 2017

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

From: Gloria P. Bensan 
Chairperson, Consultant Selection Board

Subject: RFP-04-ENG-2017
Construction Management Services for the Asan-Adelup-Hagatna, Route 1
Sewerline Rehabilitation and Replacement
GWA Project No. S15-002-EPA

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

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

Consultant	Evaluation Score				Total	Rank
1. AmOrient	85	89	81	75	330	4
2. EMPSCO Engineering Consultants	62	90	86	86	324	5
3. LYON	80	85	80	70	315	7
4. E.M. Chen & Associates, Inc.	77	88	81	70	316	6
5. Duenas, Camacho & Associates	82	92	92	90	356	1
6. TG Engineers, PC	83	91	90	85	349	2
7. Coeval Design Partners	70	84	74	66	294	8
8. AECOM	75	89	86	89	339	3

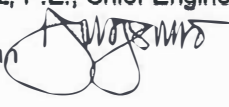
Scores were evaluated based on sum of the individual scores. The recommendation of the evaluation committee is shown in the ranking above.

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

Exhibit A (2 of 2)



MEMORANDUM

TO: Thomas F. Cruz, P.E., Chief Engineer
FROM: Gloria P. Bensa 
SUBJECT: CM Selection
DATE: May 18, 2017

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

1. Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
2. Route 2 War in the Pacific National Park Sewerline Rehabilitation and Replacement

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

Exhibit B (1 of 1)


GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."

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

MEMORANDUM

To: Miguel C. Bordallo, P.E., General Manager

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

Subject: RFP-04-ENG-2017
Construction Management Services for the Asan-Adelup-Hagatna, Route 1
Sewerline Rehabilitation and Replacement
GWA Project No. S15-002-EPA

Date: May 19, 2017

The Selection Committee has completed all necessary actions for selecting the most qualified consultant for the referenced solicitation. All proposals were reviewed and scored according to the conditions established in the solicitation. The evaluation summary sheet is attached for your information.

The committee recommends the following top three (3) firms in order of preference for the project:

1. Duenas, Camacho & Associates
2. TG Engineers, PC
3. AECOM

Concurred:


VINCENT E. GUERRERO
Supply Management Administrator

5/22/2017
Date

GENERAL MANAGER'S DETERMINATION

Consultant Firm Selected:

Duenas Camacho & Assoc.

Remarks:


MIGUEL C. BORDALLO, P.E.
General Manager

5.23.17
Date



Exhibit C (1 of 9)

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

April 23, 2018

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

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

Subject: **GWA RFP-04-ENG--2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA**

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

Hafa Adai:

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

1. Fee estimates for:
 - a. CM Services under Base Bid Schedule A – CIPP Rehabilitation of Existing Sewer Lines
Revised Fee Estimate: \$683,931.34 including a \$10,000 Time & Material allowance for Material Testing
 - b. ~~CM Services under Base Bid Schedule B – Cut and Cover Construction of New Sewer Lines~~
~~Fee Estimate: \$654,143.21 including a \$20,000 Time & Material allowance for Material Testing~~
Revised estimate for Bid Schedule B attached.
2. 2018 (current) DCA Personnel Labor and OH Rates
3. A GRT Tax Rate of 5% (recently enacted into law)

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

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

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

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

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

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

Exhibit C (2 of 9)

April 23, 2018

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

We look forward to negotiations.

Sincerely,

//Signed

JOHN P. DUENAS, P.E.

President

Enclosures

Exhibit C (3 of 9)

Consolidated Fee Estimate

EXHIBIT A - BASE BID SCHEDULE A

DCA EXPENSES

DUENAS, CAMACHO & ASSOCIATES, INC MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE				CONSTRUCTION REHABILITATION AND	
CM Inspection Related Expenses		Unit	Quan	Rate	Cost
1	Miscellaneous Expenses	LS			\$ 500.00
2	Mileage (Inspection)	mi	3200	\$ 0.33	\$ 1,161.60
3	Mileage (miscellaneous)	mi	2800	\$ 0.33	\$ 1,016.40
4	Pictures, video, etc.	LS			\$ 250.00
5	Reproduction	LS			\$ 3,500.00
6	Communications, etc.	LS			\$ 500.00
7	Miscellaneous Survey Materials	LS			\$ 250.00
		GRT	5.25%		\$ 376.85
				DCA EXPENSES	\$ 7,554.85

CH2M EXPENSES

CH2M MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE REPLACEMENT, GWA PROJECT NO. S15-002-EPA				CONSTRUCTION REHABILITATION AND	
		Unit	Quan	Rate	Cost
1	Travel expenses for CH2M CIPSpec Site Visit		3	\$ 3,000.00	\$ 9,000.00
2	Lodging (28 days total)	Days	28	\$ 215.00	\$ 6,622.00
3	Meals	Days	28	\$ 75.00	\$ 2,310.00
4	Rental Car	Days	28	\$ 50.00	\$ 1,540.00
5	Misc. Expenses	Trip	3	\$ 100.00	\$ 330.00
	Subtotal				\$ 19,802.00
				CH2M EXPENSES	\$ 19,802.00

Exhibit C (4 of 9)

EQUIM WATERWORKS AUTHORITY CONSTRUCTION MANAGEMENT SERVICES FOR A SAN-ADRIAN-AHAGATA ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT, CWA PROJECT NO. 515-002-EPA																									
Dorcas, Camacho & Allen Inc., INC. (GSA)																									
CH2M																									
Geo-Engineering & Training E.M Support																									
SCHEDULE A - BASE BID: CIPP																									
Task No.	Task Description	Principal In Charge	Construction Manager	Project Construction Manager	Resident Construction Inspector	Construction Inspector (Independent)	Civil Engineer (CM Support)	Electrical Engineer (CM Support)	Sanitary Engineer (CM Support)	Engineering Technician (CM Support)	Chief Environmental Scientist	Jr. Civil Engr.	Chief Surveyor	Interim/Asst. Chief Surveyor	TOTALS	CCM Project Manager (CM Support)	CCM Project Engineer (Per OC Section)	CCM Administrative Manager (CM Support)	TOTALS	Principal Geotechnical Engineer	Team Engineer	Administrative Assistant	TOTAL		
	United 2018 OCA Labor Rates - 2020	No \$	16.00 \$	19.00 \$	17.00 \$	73.00 \$	73.00 \$	CE 150.00 \$	MD 100.00 \$	PT 100.00 \$	CEB 100.00 \$	Jr/C 100.00 \$	R/S 100.00 \$	A/G 100.00 \$	\$	150.00 \$	\$	140.00 \$	\$	120.00 \$	\$	100.00 \$	\$		
	Livis																								
	CM SERVICES-TOTALS	90	285	1399	2571	787	318	156	100	78	144	48	401	\$	146,242.21	38	377	\$	585,542.25	21	0	0	\$	2,740.00	
	CONSTRUCTION MANAGEMENT SERVICES	90	285	1399	2571	787	318	156	100	78	144	48	401	\$	146,242.21	38	377	\$	585,542.25	21	0	0	\$	2,740.00	
A	General Construction Management Tasks	90	285	1399	2571	787	318	156	100	78	144	48	401	\$	146,242.21	38	377	\$	585,542.25	21	0	0	\$	2,740.00	
1	Project Coordination	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Project Correspondence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	Daily Construction Log	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Weekly Status Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Master of Testing Forms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	Phase IES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Review & Processing of Payment Requests	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	Conduct Project Meetings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Procurement Solicitation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	Program Meetings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	Owner Meetings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	Project Coordination	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Requests for Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	Owner Compliance Monitoring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
36	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
37	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
38	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
39	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
40	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
41	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
42	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
43	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
44	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
45	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
46	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
47	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
48	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
49	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
51	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
52	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
53	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
54	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
55	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
56	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
57	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
58	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
59	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
60	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
61	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
62	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
63	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
64	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
65	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
66	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
67	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
68	Regulations & Laws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0</		



Exhibit C (6 of 9)

April 23, 2018

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

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

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

Subject: **GWA RFP-04-ENG--2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA**

Re: *Revised Fee Proposal Related to Bid Schedule B*

Hafa Adai:

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

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

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

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

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

We look forward to negotiations.

Sincerely,

//Signed

JOHN P. DUENAS, P.E.

President

Enclosures

Exhibit C(7 of 9)

EXHIBIT A - BASE BID SCHEDULE B

DCA EXPENSES

DUENAS, CAMACHO & ASSOCIATES, INC					
CONSTRUCTION MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE					
CM Inspection Related Expenses		Unit	Quan	Rate	Cost
1	Miscellaneous Expenses	LS			\$ 500.00
2	Mileage (Inspection)	mi	4650	\$ 0.33	\$ 1,687.95
3	Mileage (miscellaneous)	mi	3150	\$ 0.33	\$ 1,143.45
4	Pictures, video, etc.	LS			\$ 250.00
5	Reproduction	LS			\$ 3,500.00
6	Communications, etc.	LS			\$ 500.00
7	Miscellaneous Survey Materials	LS			\$ 500.00
		GRT	5.25%		\$ 424.27
		DCA EXPENSES			\$ 8,505.67

CH2M EXPENSES

CH2M					
CONSTRUCTION MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE					
REHABILITATION AND REPLACEMENT, GWA PROJECT NO. S15-002-EPA					
		Unit	Quan	Rate	Cost
1	Travel expenses for CH2M CIPPSpec Site Visit		0	\$ 3,000.00	\$ -
2	Lodging (28 days total)	Days	0	\$ 215.00	\$ -
3	Meals	Days	0	\$ 75.00	\$ -
4	Rental Car	Days	0	\$ 50.00	\$ -
5	Misc. Expenses	Trip	0	\$ 100.00	\$ -
	Subtotal				\$ -
		CH2M EXPENSES			\$ -

Exhibit C (8 of 9)

Task Description		Principal in Charge	Subcontract Manager	Project Construction Manager	Resident Construction Inspector	Construction Inspector (Fundamental)	Civil Engineer (CM Support)	Structural Engineer (CM Support)	Electrical Engineer (CM Support)	Engineering Technician (CM Support)	Health/Environmental Scientist	Junior Crew	Chief Surveyor	Subcontractor Assistant (CM Support)	TOTAL	CH2M Project Manager (CM Support)	CH2M Project Engineer (COPC Representative)	CH2M Administrative Manager (CM Support)	TOTAL	Principal Geotechnical Engineer	Chief Engineer	Subcontractor Assistant	TOTAL
Task No.		PM/IN	CM	PCM	RCI	CI	CE	SE	EE	ET	CS	JC	CS	SA	TOTAL	CH2M Project Manager (CM Support)	CH2M Project Engineer (COPC Representative)	CH2M Administrative Manager (CM Support)	TOTAL	Principal Geotechnical Engineer	Chief Engineer	Subcontractor Assistant	TOTAL
Leading 2018 GCA Labor Rates - 2022																							
CONSTRUCTION MANAGEMENT SERVICES																							
A.	General Construction Management Tasks	2100	371	728	0	0	0	0	0	0	0	0	0	0	\$ 196,894.06	0	0	0	\$ 0.00	0	0	0	\$ 680.00
1.	Project Controls	10	371	0	0	0	0	0	0	0	0	0	0	0	\$58,060.80	0	0	0	\$0.00	0	0	0	\$180.00
2.	Project Coordination	10	184	0	0	0	0	0	0	0	0	0	0	0	\$20,611.71	0	0	0	\$0.00	0	0	0	\$0.00
3.	Daily Construction Log	10	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
4.	Weekly Status Report	10	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
5.	Monthly Testing Forms	10	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
6.	Photo Log	10	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
7.	Review & Processing of Payment Requests	22	0	87	0	0	0	0	0	0	0	0	0	0	\$16,788.97	0	0	0	\$0.00	0	0	0	\$0.00
8.	Conduct Project Meetings	10	0	87	0	0	0	0	0	0	0	0	0	0	\$16,788.97	0	0	0	\$0.00	0	0	0	\$0.00
9.	Pre-construction Conference	10	0	4	0	0	0	0	0	0	0	0	0	0	\$1,894.24	0	0	0	\$0.00	0	0	0	\$0.00
10.	Process Meetings	10	0	43	0	0	0	0	0	0	0	0	0	0	\$1,894.24	0	0	0	\$0.00	0	0	0	\$0.00
11.	Other Meetings	10	0	14	0	0	0	0	0	0	0	0	0	0	\$1,194.11	0	0	0	\$0.00	0	0	0	\$0.00
12.	Project Coordination	10	0	14	0	0	0	0	0	0	0	0	0	0	\$1,194.11	0	0	0	\$0.00	0	0	0	\$0.00
13.	Requests for Information	10	0	43	0	0	0	0	0	0	0	0	0	0	\$1,194.11	0	0	0	\$0.00	0	0	0	\$0.00
14.	General Compliance Monitoring	22	0	43	0	0	0	0	0	0	0	0	0	0	\$1,194.11	0	0	0	\$0.00	0	0	0	\$0.00
15.	Regulations & Laws	10	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
16.	Local Laws	10	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
17.	Permits	10	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
18.	Insurance	10	0	0	0	0	0	0	0	0	0	0	0	0	\$4,359.77	0	0	0	\$0.00	0	0	0	\$0.00
19.	Claims and Disputes	10	0	87	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
20.	Records	10	0	87	0	0	0	0	0	0	0	0	0	0	\$16,788.97	0	0	0	\$0.00	0	0	0	\$0.00
21.	Claims	10	0	87	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
22.	Site Work Orders	10	0	21	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
23.	Schedule Monitoring	10	0	85	0	0	0	0	0	0	0	0	0	0	\$2,295.18	0	0	0	\$0.00	0	0	0	\$0.00
24.	Accruals	10	0	22	0	0	0	0	0	0	0	0	0	0	\$1,570.77	0	0	0	\$0.00	0	0	0	\$0.00
B.	Shop Drawings/Submittals (Review and Coordination)	60	0	2	0	0	0	0	0	0	0	0	0	0	\$4,194.80	0	0	0	\$0.00	0	0	0	\$13.00
C.	Substitutions (Evaluation and Coordination)	10	0	43	0	0	0	0	0	0	0	0	0	0	\$5,612.80	0	0	0	\$0.00	0	0	0	\$0.00
D.	Inspections & Tests	10	0	85	0	0	0	0	0	0	0	0	0	0	\$4,194.80	0	0	0	\$0.00	0	0	0	\$0.00
1.	Resident Inspections	10	0	557	0	0	0	0	0	0	0	0	0	0	\$6,194.11	0	0	0	\$0.00	0	24	0	\$4,080.00
2.	Resident Inspections	10	0	3714	0	0	0	0	0	0	0	0	0	0	\$40,121.24	0	0	0	\$0.00	0	184	0	\$0.00
3.	Resident Inspections	10	0	3714	0	0	0	0	0	0	0	0	0	0	\$4,194.80	0	0	0	\$0.00	0	0	0	\$0.00
4.	Resident Inspections	10	0	60	0	0	0	0	0	0	0	0	0	0	\$10,978.00	0	0	0	\$0.00	0	0	0	\$0.00
E.	Change Management	4	0	85	0	0	0	0	0	0	0	0	0	0	\$1,512.24	0	0	0	\$0.00	0	0	0	\$1,360.00
1.	Change Order Review	10	0	16	0	0	0	0	0	0	0	0	0	0	\$2,321.40	0	0	0	\$0.00	0	0	0	\$1,160.00
2.	Design Change	10	0	8	0	0	0	0	0	0	0	0	0	0	\$1,433.10	0	0	0	\$0.00	0	0	0	\$0.00
3.	Change Management Review	10	0	16	0	0	0	0	0	0	0	0	0	0	\$2,321.40	0	0	0	\$0.00	0	0	0	\$0.00
4.	Resolution with Contractor	10	0	16	0	0	0	0	0	0	0	0	0	0	\$2,321.40	0	0	0	\$0.00	0	0	0	\$0.00
5.	Change Order Documents	10	0	16	0	0	0	0	0	0	0	0	0	0	\$2,321.40	0	0	0	\$0.00	0	0	0	\$0.00
6.	Establish Change Order Pricing Basis	10	0	8	0	0	0	0	0	0	0	0	0	0	\$1,433.10	0	0	0	\$0.00	0	0	0	\$0.00
G.	Construction Timing Services	34	0	8	0	0	0	0	0	0	0	0	0	0	\$64,372.80	0	0	0	\$0.00	0	0	0	\$0.00
H.	Dispute Resolution and Resolution	10	0	8	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$1,020.00
I.	Contractor Completion Documents	10	0	64	0	0	0	0	0	0	0	0	0	0	\$7,407.36	0	0	0	\$0.00	0	0	0	\$0.00
1.	Substantial Completion	10	0	8	0	0	0	0	0	0	0	0	0	0	\$888.30	0	0	0	\$0.00	0	0	0	\$0.00
2.	Project Records	10	0	8	0	0	0	0	0	0	0	0	0	0	\$1,941.00	0	0	0	\$0.00	0	0	0	\$0.00
3.	Punch List Development	10	0	8	0	0	0	0	0	0	0	0	0	0	\$1,511.10	0	0	0	\$0.00	0	0	0	\$0.00
4.	Closing Inspections	10	0	16	0	0	0	0	0	0	0	0	0	0	\$1,255.50	0	0	0	\$0.00	0	0	0	\$0.00
5.	Final Acceptance Inspections	10	0	8	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
6.	Final Inspection	10	0	8	0	0	0	0	0	0	0	0	0	0	\$0.00	0	0	0	\$0.00	0	0	0	\$0.00
J.	Final Report	10	0	16	0	0	0	0	0	0	0	0	0	0	\$2,612.00	0	0	0	\$0.00	0	0	0	\$0.00
K.	Record Drawing(s)	10	0	8	0	0	0	0	0	0	0	0	0	0	\$4,115.10	0	0	0	\$0.00	0	0	0	\$0.00
L.	Communication and Startup	10	0	8	0	0	0	0	0	0	0	0	0	0	\$1,255.50	0	0	0	\$0.00	0	0	0	\$0.00
M.	Training	10	0	12	0	0	0	0	0	0	0	0	0	0	\$4,400.00	0	0	0	\$0.00	0	0	0	\$0.00
N.	Warranties	10	0	8	0	0	0	0	0	0	0	0	0	0	\$1,255.50	0	0	0	\$0.00	0	0	0	\$0.00
O.	Spare Parts	10	0	8	0	0	0	0	0	0	0	0	0	0	\$764.00	0	0	0	\$0.00	0	0	0	\$0.00
Subcontractors																							
1.	CH2M	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0
2.	Geotechnical & Testing, Inc. (Consultants)	\$	0	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00
ADDITIONAL TIME & MATERIAL COSTS																							
1.	CH2M	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0
2.	Geotechnical & Testing, Inc. (Consultants)	\$	0	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00
COST SUMMARY																							
1.	CH2M	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0
2.	Geotechnical & Testing, Inc. (Consultants)	\$	0	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00
TOTAL																							
1.	CH2M	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0
2.	Geotechnical & Testing, Inc. (Consultants)	\$	0	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00	\$	8,500.00
TOTAL																							

39

EXHIBIT B



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

November 6, 2020

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

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

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

Ref: **Change Order for Construction Management Services for the Asan-Adelup-Hagatna – Route 1 Sewer Rehabilitation and Replacement – Phase II**

Hafa Adai Mr. Riegel,

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

Sincerely,

Kenneth M. Rekdahl, P.E.
Vice-President
Dueñas, Camacho & Associates, Inc.

Att:
Fee Breakdown

GWA Work Session - January 18, 2022 - ISSUES FOR DECISION

Route 1 CM Phase II view

Fee Estimate

DCA DESIGN CONSULTANTS		Task Description																												Principal		Project Manager		Civil Engineer		Structural Engineer		Project Engineer		Environmental Engineer		Staff Engineer/Designer		Spec Writer		Cost Estimator		Engineering Tech		CAD Tech		Sr CAD Tech		Planner		GIS Specialist		Chief Environmental Scientist		Environmental Scientist		Construction Manager		Project Construction Eng		Inspector		Chief Surveyor		2-Man Crew		3-Man Crew		4-Man Crew		Surveyor		Assistant Chief Surveyor		Crew Chief		Computer		Cartographer		Instrument Man		Survey Tech		Survey Researcher		Survey Aide		Administrative Assistant		Secretary		Total	
Direct Labor Rates >>>>		No of Days	\$ 183.00	\$ 148.00	\$ 136.00	\$ 172.00	\$ 126.00	\$ 115.00	\$ 89.00	\$ 134.00	\$ 127.00	\$ 57.00	\$ 48.00	\$ 58.00	\$ 109.00	\$ 82.00	\$ 101.00	\$ 89.00	\$ 100.00	\$ 112.00	\$ 74.00	\$ 114.00	\$ 123.00	\$ 101.00	\$ 190.00	\$ 115.00	\$ 88.00	\$ 61.00	\$ 75.00	\$ 67.00	\$ 54.00	\$ 58.00	\$ 53.00	\$ 34.00	\$ 72.00	\$ 67.00	\$ 527,636.00																																																														
Total Sheet Count and Effort >>>>		0	0	60	0	0	740	0	80	0	0	0	0	0	0	0	340	0	436	672	3046	0	0	64	0	0	8	0	0	0	0	0	0	0	0	0	0	\$ 13,352.00																																																													
A. Pre Construction Services			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	48	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ 6,528.00																																																														
1	CM Plan																		24	24																\$ 4,352.00																																																															
2	QA Plan																		16	16																\$ -																																																															
3	Bidding Support																																				\$ 2,472.00																																																														
4	Document Review																		8	8	4															\$ -																																																															
5																																					\$ -																																																														
6																																					\$ -																																																														
B. Construction Phase Services			0	8	0	0	740	0	80	0	0	0	0	0	0	0	340	0	388	624	3042	0	0	64	0	0	8	0	0	0	0	0	0	0	0	0	0	\$ 503,976.00																																																													
Project records and Document Control (Procure), Weekly		60						30																													\$ 3,266.00																																																														
2	Daily Construction Reports, week	55		4															27.5	55																\$ 11,156.00																																																															
3	Progress Photo Logs, week	60																	60																	\$ 6,720.00																																																															
4	Submittal, ea	15																	7.5	30																\$ 4,560.00																																																															
5	Shop Drawing review, day	15					60												15																	\$ 9,240.00																																																															
6	Project Schedule (month)	18																	9	36																\$ 5,472.00																																																															
7	Payment Request, ea (month)	14																	14	84																\$ 11,648.00																																																															
8	Payroll Review, ea	14																	28																	\$ 3,136.00																																																															
9	Project meetings, week	60																	90	120	30															\$ 30,060.00																																																															
10	As built control, week	50						50																													\$ 4,450.00																																																														
11	RFIs, ea	20																	20	80																\$ 12,160.00																																																															
12	Compliance monitoring, week 80% of duration	340					680																														\$ 120,020.00																																																														
13	Claims and disputes																		40	80																\$ 15,360.00																																																															
14	Change order negotiation and review																		60																	\$ 9,600.00																																																															
15	DCVR																		24																	\$ 3,840.00																																																															
16	Construction monitoring (days, 80% of duration X1.1)	340																																			\$ 221,408.00																																																														
17	Testing QA																		24		2992															\$ 3,840.00																																																															
18	Acceptance																		40																	\$ 6,400.00																																																															
19	Construction Survey services, daily site visit	8																	8								8									\$ 12,288.00																																																															
20	Project Closeout																		24	20	20															\$ 7,560.00																																																															
21	Training and Warranty																		16																	\$ 1,792.00																																																															
22																																					\$ -																																																														
23																																					\$ -																																																														
C. Post Construction Services		0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ 10,308.00																																																															
1	Final Report			24																																	\$ 3,576.00																																																														
2	Record Drawings			12																																	\$ 1,788.00																																																														
3	Closeout Meetings			16															16																	\$ 4,944.00																																																															
4																																					\$ -																																																														
5																																					\$ -																																																														
6																																					\$ -																																																														
7																																					\$ -																																																														
8																																					\$ -																																																														
9																																					\$ -																																																														
Subcontractors		DL	Fee	DCA Expenses																COST SUMMARY																Direct Labor				\$ 527,636.00																																																											
S.1	Conc/GEO Testing		\$ -	1	Procure Based on \$6.0M Construction cost	1	1	\$ -	\$ 14,904.00																	1	LABOR													\$ 527,636.00																																																											
S.2	TRMA		\$ -	2	Mileage	1	10	\$ 50.00	\$ 500.00																	2	OVERHEAD @	Included												\$ -																																																											
S.3	CH2		\$ -	3		1	0	\$ -	\$ -																	3	SUBCONSULTANTS													\$ -																																																											
S.4	EMCE (ESTIMATE)		\$ -	4		1	0	\$ -	\$ -																	4	Subtotal													\$ 527,636.00																																																											
S.5			\$ -	5		1	0	\$ -	\$ -																	5	PROFIT	Included												\$ -																																																											
S.6			\$ -	6		1	0	\$ -	\$ -																	6	EXPENSES													\$ 15,404.00																																																											
S.7			\$ -	7		1	0	\$ -	\$ -																	7	Subtotal													\$ 543,040.00																																																											
Subtotal - Subcontractors		\$ -	\$ -	8		1	0	\$ -	\$ -																	8	GRIT	@				5.25%								\$ 28,509.60																																																											
Coordination & Handling @		5%	\$ -	9		1	0	\$ -	\$ -																																					\$ -																																																					
Subtotal - Subcontractors + DCA Handling		\$ -	\$ -	10																																										\$ -																																																					
																																														\$ 15,404.00																																																					
																																														\$ 543,040.00																																																					
																																														\$ 28,509.60																																																					
																																														\$ 571,549.60																																																					
																																														\$ 571,550																																																					



Duenas, Camacho and Assocait

Option 1

Year 1

ACV: 4.2 million

Name	Price
Project Management Pro	\$7,925
Quality & Safety	\$2,510
Total	\$10,435

Total Price: **\$10,435**

$\$10,435 / 4.2 =$
 $\$2,484 \text{ per } \1M
 $\$2,484 \times 6\text{M} =$
 $\$14,904$

Option 2

Year 1

ACV: 4.2 million

Name	Price
Project Management Pro	\$6,700
Quality & Safety	\$2,250
Total	\$8,950

Total Price: **\$8,950**

FYI, this amount
 was if the contract
 was executed
 earlier this year

Procore Products

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

TOOLS INCLUDED WITH ALL PRODUCTS*

DIRECTORY

Everyone's digits, under the control of yours.

DOCUMENTS

When documents go digital, nothing gets lost.

APP MARKETPLACE

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

TASKS

Track and manage every coordination-related step in your process.

REPORTS

Insights to help you analyze every detail.

* Excluding Invoice Management, Design Coordination and BIM.

PROJECT MANAGEMENT

Project Management Pro

RFIs

RFI software to remind, record, and remove excuses.

DAILY LOG

Capture everything you need to report to the office.

DRAWINGS

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

TIMECARD

Fast time tracking for the project management team.

SUBMITTALS

Don't let inaccuracy sink your projects.

MEETINGS

Manage all aspects of your project meetings.

PUNCH LIST

Streamline construction with punch list software.

PHOTOS

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

SPECIFICATIONS

Intelligent Spec Management—save time while doing more.

SCHEDULE

Minimize confusion with integrated scheduling.

EMAILS

Open your inbox to everything you need to know.

TRANSMITTALS

Don't lose sleep over your important documents.

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

PROCORE

procore.com | 866 477 6267

The pricing presented should be considered as non-binding budgetary pricing to be leveraged for modeling and scenario planning, and as such, is subject to formal approval before it can be considered final.

PROJECT MANAGEMENT

Quality & Safety

INSPECTIONS

Proactively identify hazards before they injure more than your reputation.

OBSERVATIONS

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

INCIDENTS

Digitally capture and manage incidents easily and accurately.

DAILY LOG

Capture everything you need to report to the office.

FORMS

Simple to complex fillable PDF forms at your fingertips.

SCHEDULE

Minimize confusion with integrated scheduling.

PHOTOS

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

Design Coordination

COORDINATION ISSUES

Identify and resolve constructability issues prior to construction.

BIM

MODELS

Extremely performant BIM viewer.

FINANCIAL MANAGEMENT*

Project Financials

COMMITMENTS

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

CHANGE EVENTS

The new standard in construction for managing potential costs as they occur.

BUDGETS

Avoid profit erosion with accurate, configurable budgets.

CHANGE ORDERS

Reduce unrecoverable change orders with quicker approvals.

PRIME CONTRACT

Replace stacks of paper and printing costs with digital contract management.

COST MANAGEMENT

Avoid the price of being over budget with cost management.

Invoice Management

OWNER INVOICING

Prefill owner invoices with approved subcontractor invoices.

*Accounting Integrations available - additional fees apply.

SUBCONTRACTOR INVOICING

Empower the trades to be proactive about monthly invoices.



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— PRECONSTRUCTION —



Prequalification

PREQUALIFICATIONS

Manage the entire qualification process from forms to approvals.

PREQUALIFICATION PORTAL

Complete and submit qualification forms on a secure online platform.



Bid Management

BIDDING

Manage the entire bidding process from bid package creation to bid award.

PLANROOM

Access bid package details, files, and communications in order to submit a bid.

— RESOURCE MANAGEMENT —



Field Productivity

TIMESHEETS

Track employee and crew time for all projects on mobile or web.

T&M TICKETS

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

CREWS

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

TIMECARD

Fast time tracking for the project management team.

PRODUCTION TRACKING

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

— PLATFORM —



Analytics

PROCORE ANALYTICS

Leverage Analytics to turn project data into business insight.

DATA EXTRACT

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



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Management Report

GWA Work Session, January 18, 2022



**GWA Workforce availability
as of January 14, 2022**

Healthy	347	94.8%
Sick, not COVID-19 related	4	1.1%
COVID-19 Quarantined	6	1.6%
Employee with COVID-19, active case	6	1.6%
COVID-19 Medical Risk	1	0.3%
Military Leave	1	0.3%
LTD	1	0.3%
	366	100%

Total		
Healthy/Reporting for duty at worksite	333	91.0%
Healthy/Reporting for duty - Teleworking	8	2.2%
Healthy/Reporting for duty - Part Teleworking and Part Reporting for duty at worksite	5	1.4%
Employee wants to electively self-quarantine; status not considered vulnerable - does not report for duty	1	0.3%
Employee sick - symptoms unrelated to COVID-19	4	1.1%
Employee or household member is at medical risk (i.e. COVID-19 vulnerable)	1	0.3%
Employee sick - symptoms related to COVID-19	2	0.5%
Employee's direct exposure to a household member being tested for COVID-19	2	0.5%
Employee or household member: Travel within last 14 days	1	0.3%
Employee's indirect exposure to individual that is: COVID-19 symptomatic, being tested for COVID-19 or confirmed COVID-19 (1+ person removed) - does not report for duty	1	0.3%
Employee with COVID-19, active case	6	1.6%
Military Leave	1	0.3%
LTD/Workers Comp	1	0.3%
	366	100.00%

**GWA Workforce Vaccine Status
as of January 14, 2022**

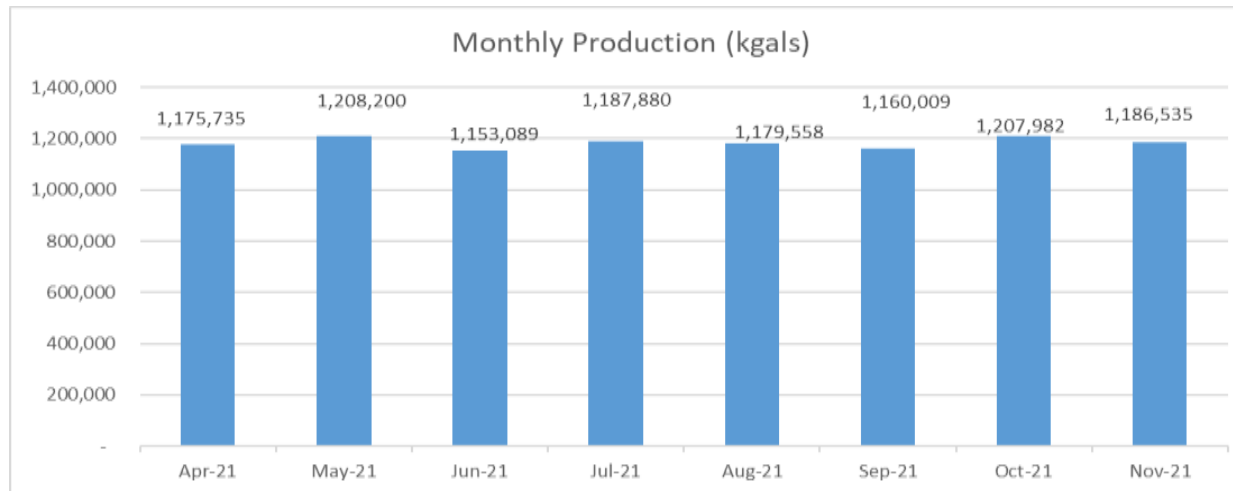
Fully Vaccinated	341	93%
Did Not Receive Shot	25	7%
	366	100%

Operations Update

Production (November 2021)

Monthly Production Summary - November 2021				
Deep Wells			35.9 MGD	
Active wells =	96	of 120		
Avg days in operation =	30	days		
Total Production =	1,077,480	Kgals		
Springs			0.62 MGD	
Avg days in operation =	30	days		
Total Production =	18648	Kgals		
Ugum Surface Water Plant			2.0 MGD	
Avg days in operation =	30	days		
Total Production =	61,291	Kgals		
Tumon Maui Well			0.97 MGD	
Avg days in operation =	30	days		
Total Production =	29,116	Kgals		
			1,186,535	Kgals
			39.6 MGD	

DW Status as of 11/30/2021				
Active	96			
Grounded Motors	8	A26-D01-D03-F06-F13-M12-Y16-Y20		
Out of Commission	8	A02-A07-A28-D05-D13-M14-MJ0		
Temporarily Secured - PFO	2	A23-A25		
Standby	6	A29-D02-D04-D25-F05-G501		
TOTAL	120			

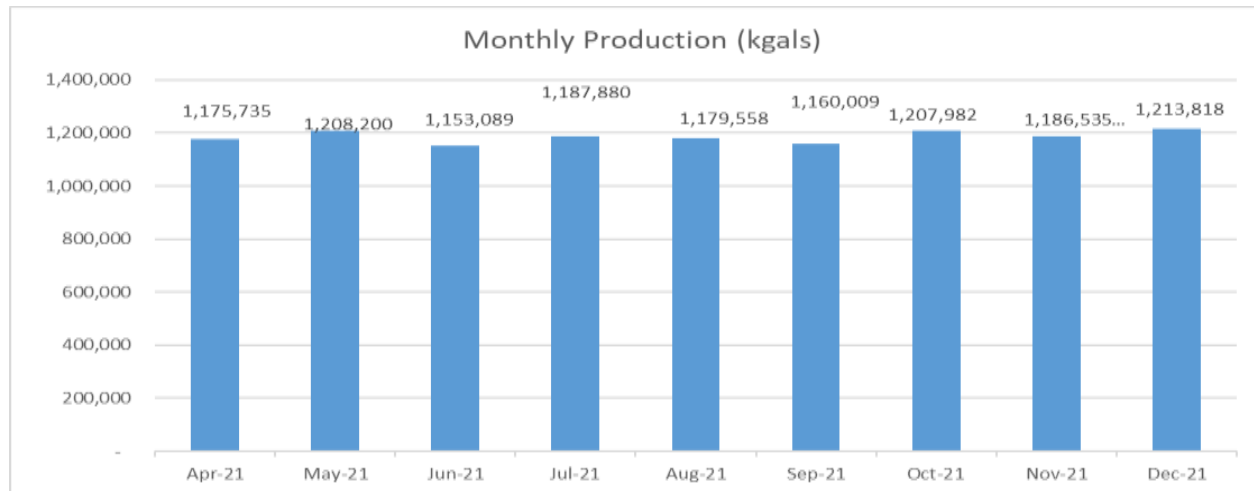


Operations Update

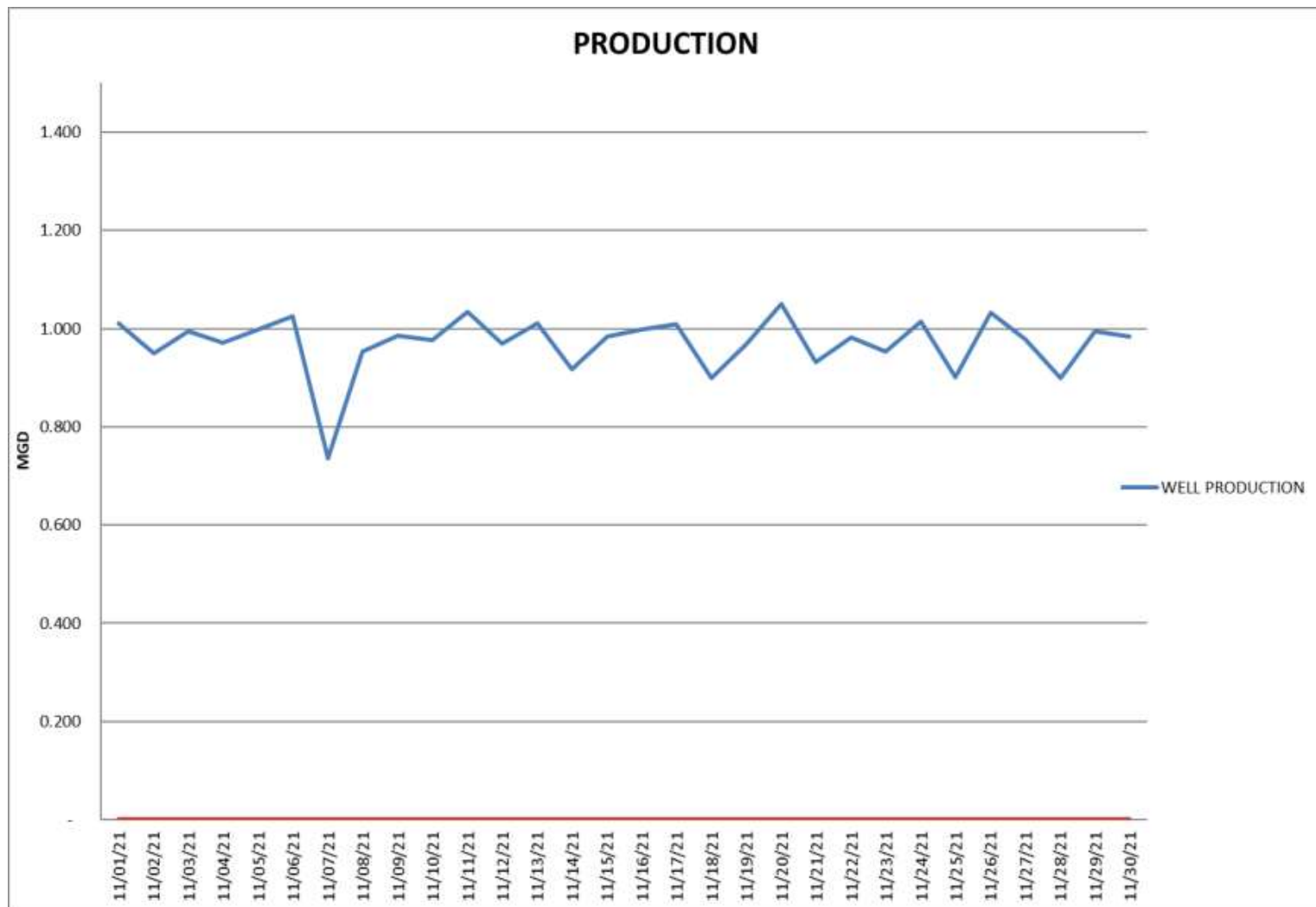
Production (December 2021)

Monthly Production Summary - December 2021				
Deep Wells			35.5 MGD	
Active wells =	93	of 120		
Avg days in operation =	31	days		
Total Production =	1,101,533	Kgals		
Springs			0.56 MGD	
Avg days in operation =	31	days		
Total Production =	17,339	Kgals		
Ugum Surface Water Plant			2.1 MGD	
Avg days in operation =	31	days		
Total Production =	64,786	Kgals		
Tumon Maui Well			0.97 MGD	
Avg days in operation =	31	days		
Total Production =	30,160	Kgals		
			1,213,818	39.2 MGD

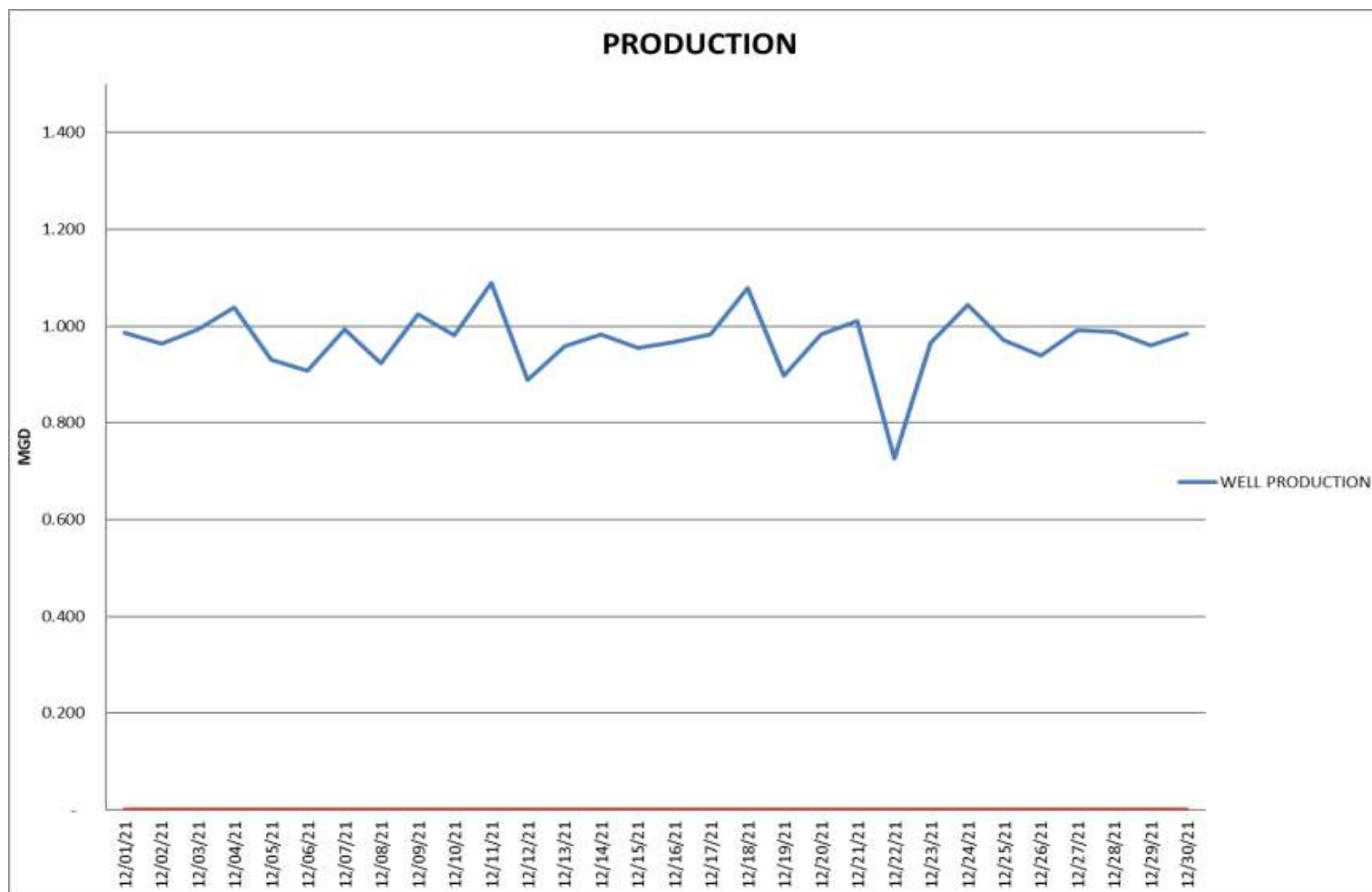
DW Status as of 12/31/2021		
Active	93	
Grounded Motors	12	A26-D01-D03-D11-D24-D28-F06-F13-M12-M21-Y16-Y20
Out of Commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Temporarily Secured - PFO	2	A23-A25
Standby	5	A29-D19-D21-F05-G501
TOTAL	120	



Tumon Maui Well Production (November 2021)

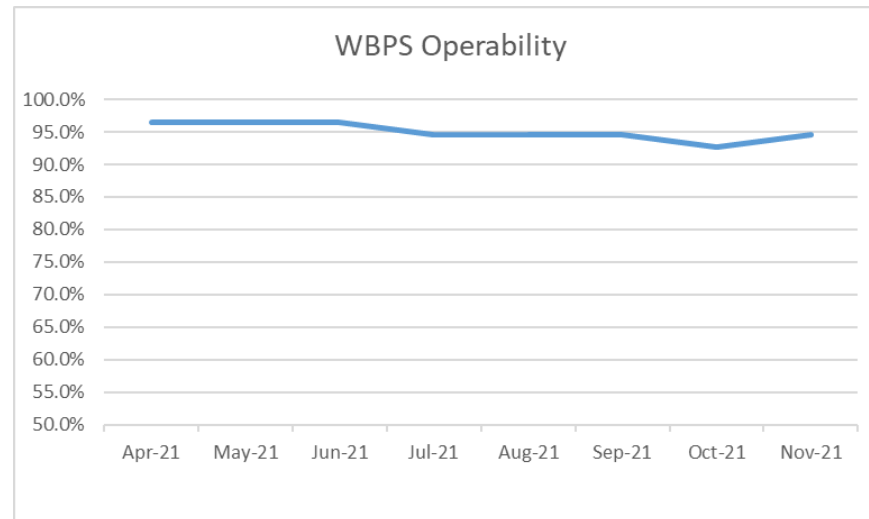


Tumon Maui Well Production (December 2021)



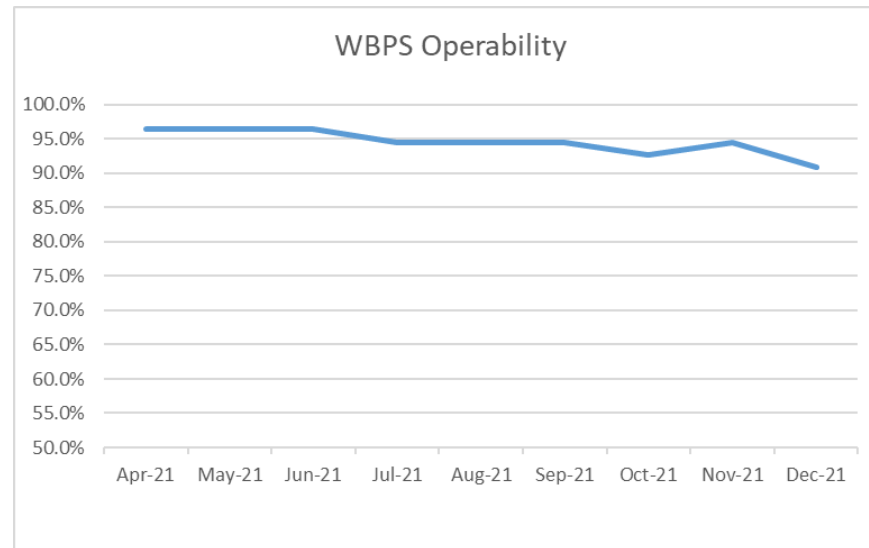
Distribution (November 2021)

Monthly Distribution Summary - November 2021					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	25	96.2%
	Central	7	14	12	85.7%
	Southern	7	15	15	100.0%
		27	55	52	94.5%

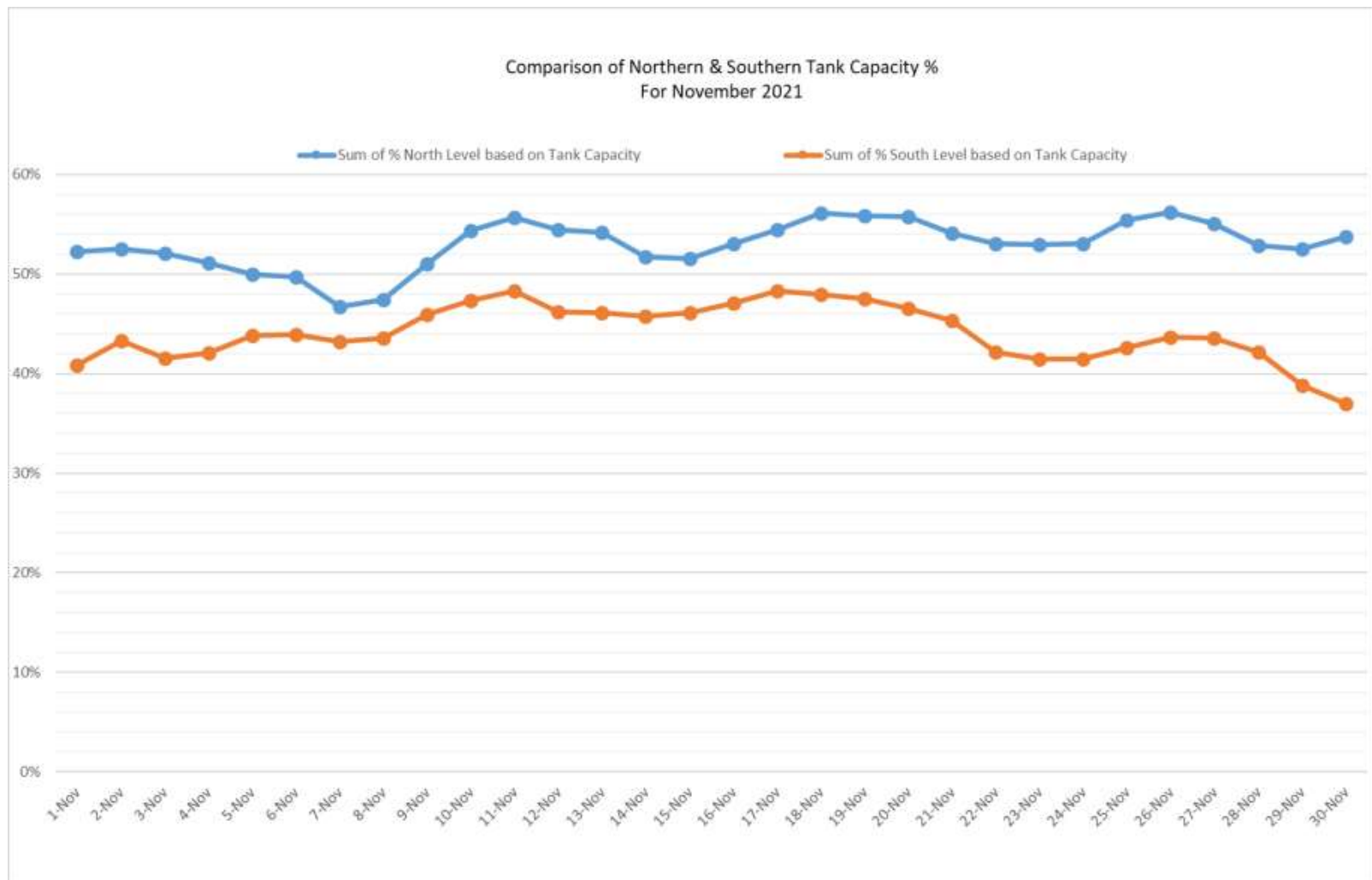


Distribution (December 2021)

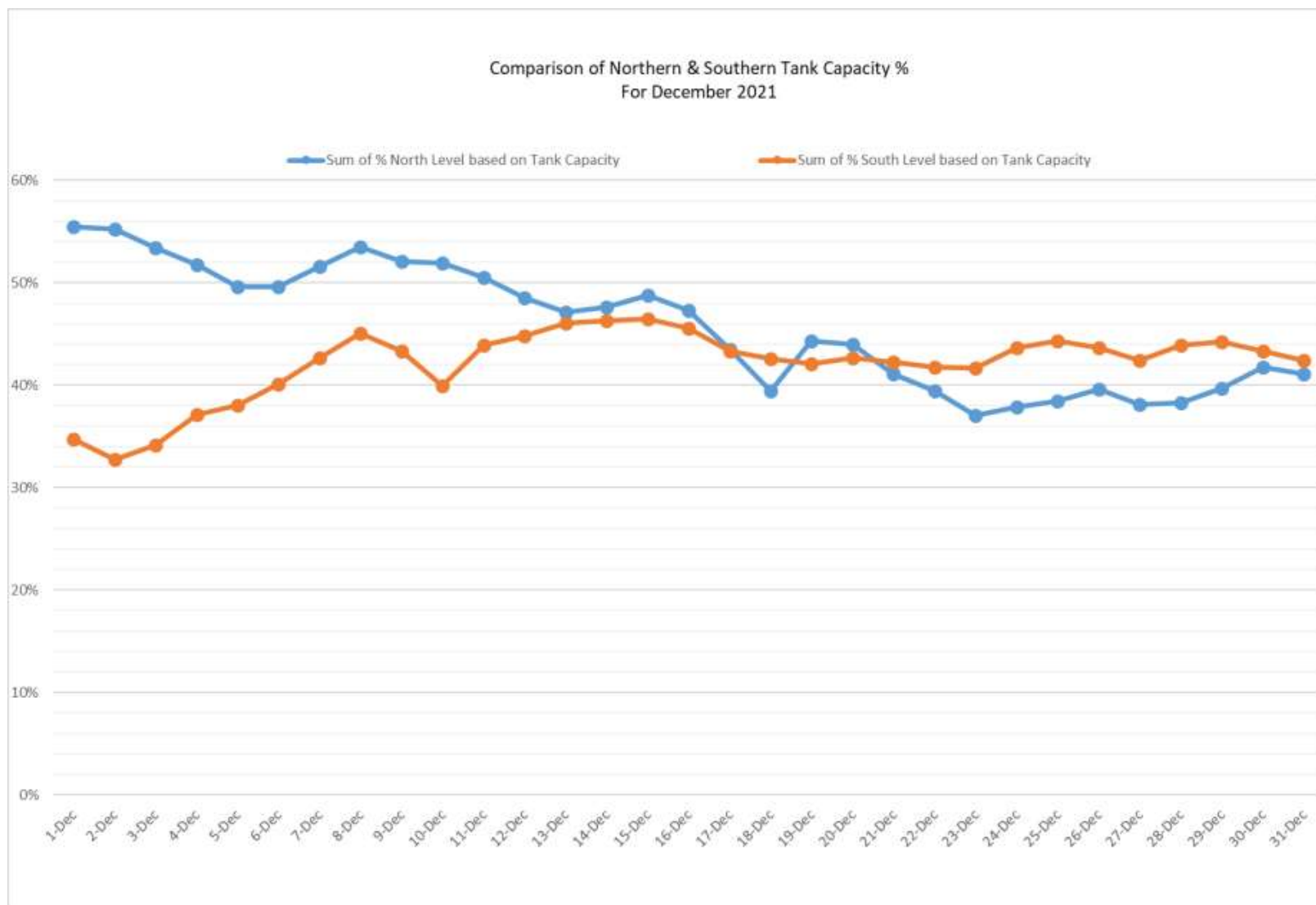
Monthly Distribution Summary - December 2021					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	23	88.5%
	Central	7	14	12	85.7%
	Southern	7	15	15	100.0%
		27	55	50	90.9%



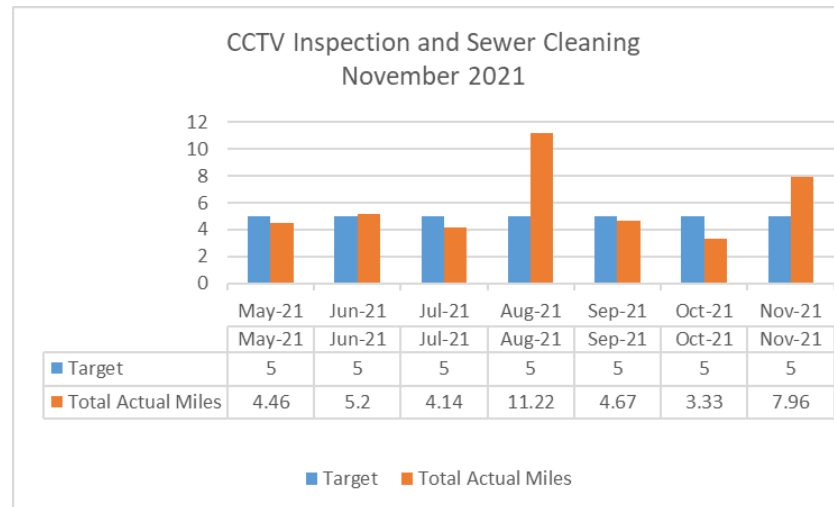
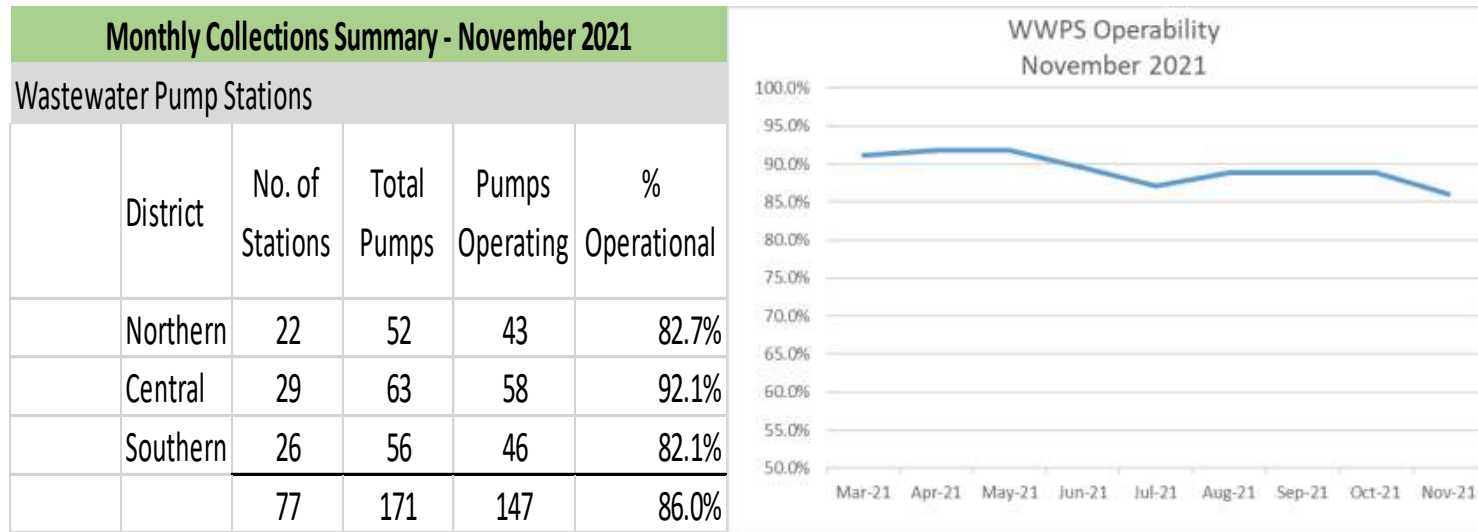
Distribution – Tank Levels (November 2021)



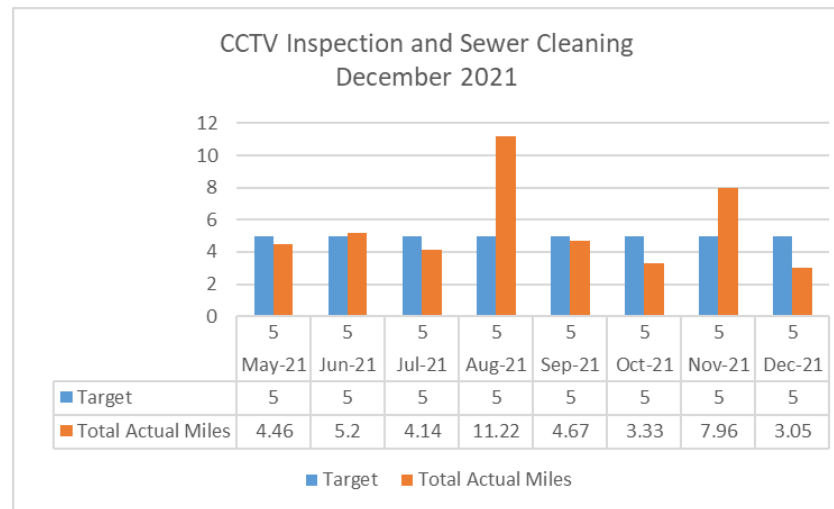
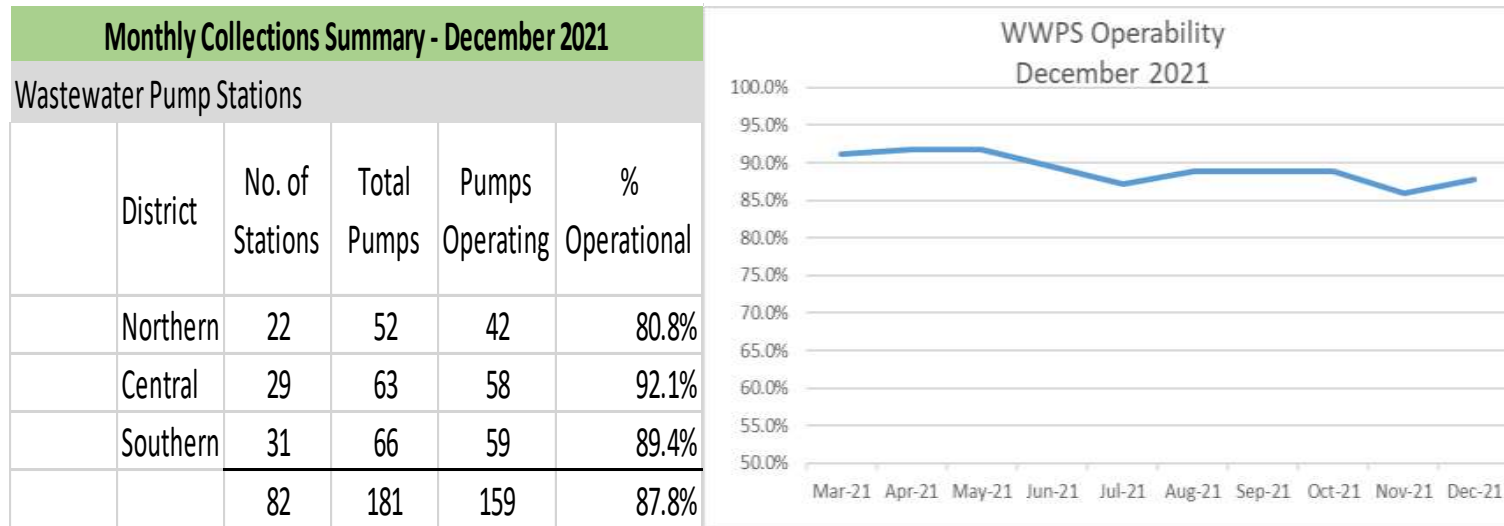
Distribution – Tank Levels (December 2021)



Wastewater Collections (November 2021)

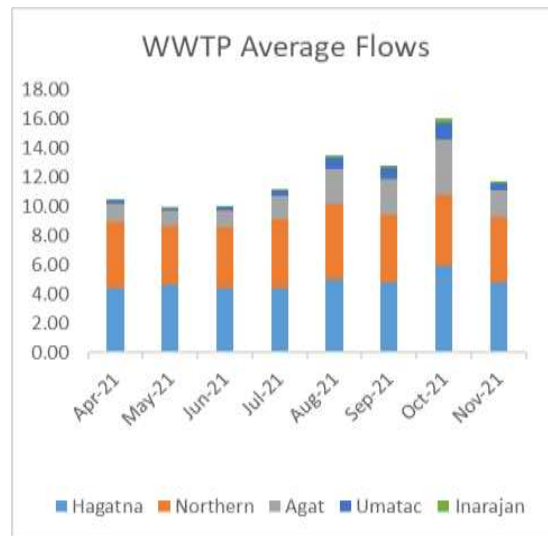


Wastewater Collections (December 2021)



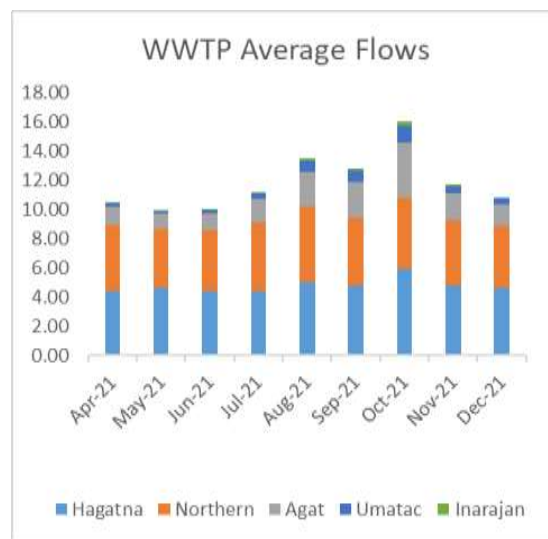
Wastewater Treatment (November 2021)

Monthly Wastewater Treatment Summary - November 2021				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.83	317,780	\$ 28,600
	Northern	4.43	324,800	\$ 29,232
	Agat	1.84	89,260	\$ 8,033
	Umatac	0.49		
	Inarajan	0.13		
		11.72	731,840	\$ 65,865



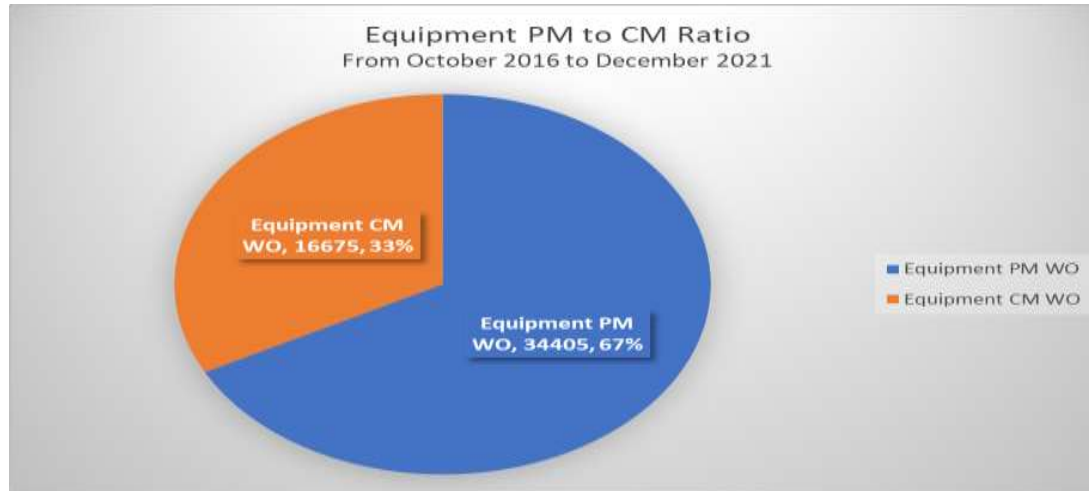
Wastewater Treatment (December 2021)

Monthly Wastewater Treatment Summary - December 2021				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.62	275,200	\$ 24,768
	Northern	4.25	412,040	\$ 37,084
	Agat	1.48	316,040	\$ 28,444
	Umatac	0.46		
	Inarajan	0		
		10.81	1,003,280	\$ 90,296

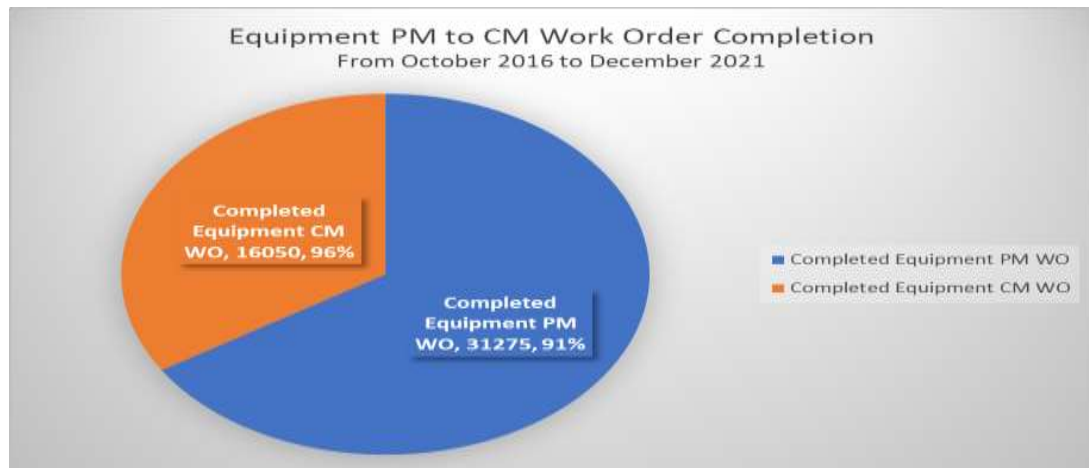


Asset Management (through December 2021)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

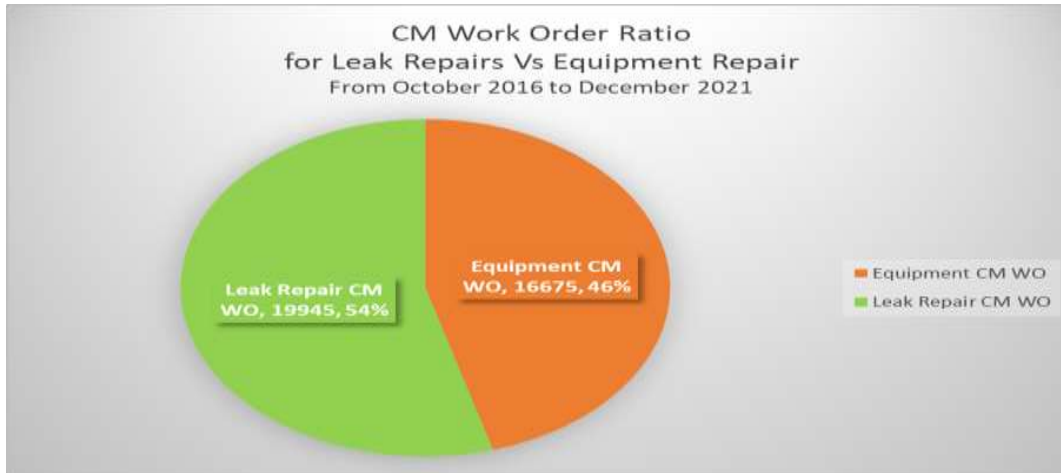


II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*

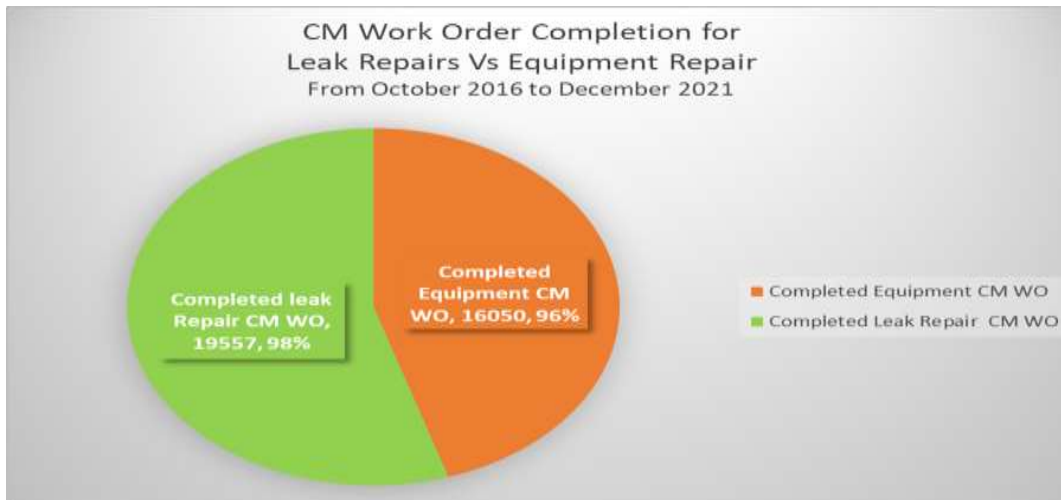


Asset Management (through December 2021)

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



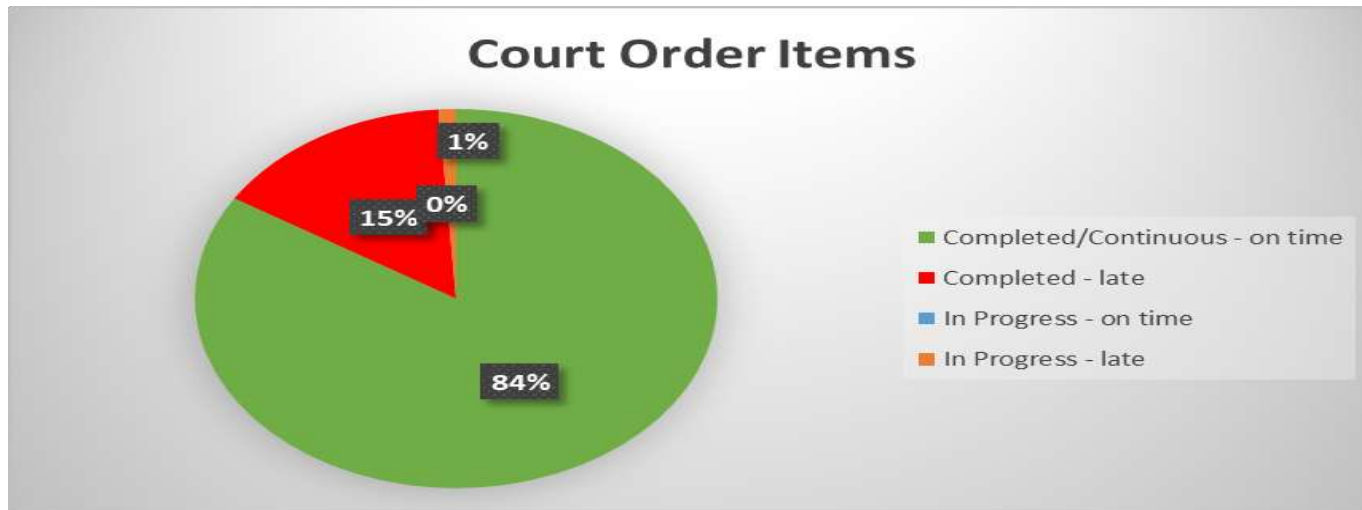
IV. Corrective Maintenance Work Order **Completion** for Leak Repairs vs. Equipment Repair



One Guam Update (through December 2021)

- **01-Tumon Maui Well**
 - Next inspection by DOD will be on January 20, 2022.
- **02-AG-1 Intertie with Andersen**
 - Increase production request –No update; still under review.
- **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.
- **04-OEAProjects**
 - Observation Wells/NGLA - Contractor started drilling new wells. Unable to drill below 500 feet. They were able to drill to the “sweet spot” of the aquifer but not to the sea level. AR Pacific is working for B&C to work on drilling beyond 500 ft.
- **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.
- **08- Other**
 - SOP for Wastewater Batch Discharges from DoD to GWA
 - Comments from DOD were sent to Paul Kemp.
 - SOP was finalized.

Court Order Summary (November and December 2021 – no changes)



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

Court Order – Status Information (through January 2, 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 (for October 2021 up to November 8, 2021):
 - 11-06-2021, SSO#525 E. Chalan Guma Yu'us, Sinajana – Damaged pipe by DPW
 - 11-14-2021, SSO#533 W. Cesario St., Mongmong-Toto – FOG
 - 11-19-2021, SSO#539 W. Dero Rd., Dededo – PS control failure
 - 11-22-2021, SSO#540 W. Cuscaho St., Tamuning – FOG
 - 11-23-2021, SSO#542 Mamajanao PS, Tamuning – PS control failure
 - 12-01-2021, SSO#543 Rt. 10, Mangilao “across from Wendy’s” – Heavy rain
 - 12-04-2021, SSO#544 Ulloa Untalan St., Agana Heights – FOG
 - 12-21-2021, SSO#554 Luayo St., Barrigada – Gravel & FOG
 - 12-30-2021, SSO#558 Pas St., Tamuning Senior Citizens Center – FOG
 - 01-02-2022, SSO#560 Tun Jesus Crisostomo St. – FOG

Land Acquisition Summary (through December 2021)

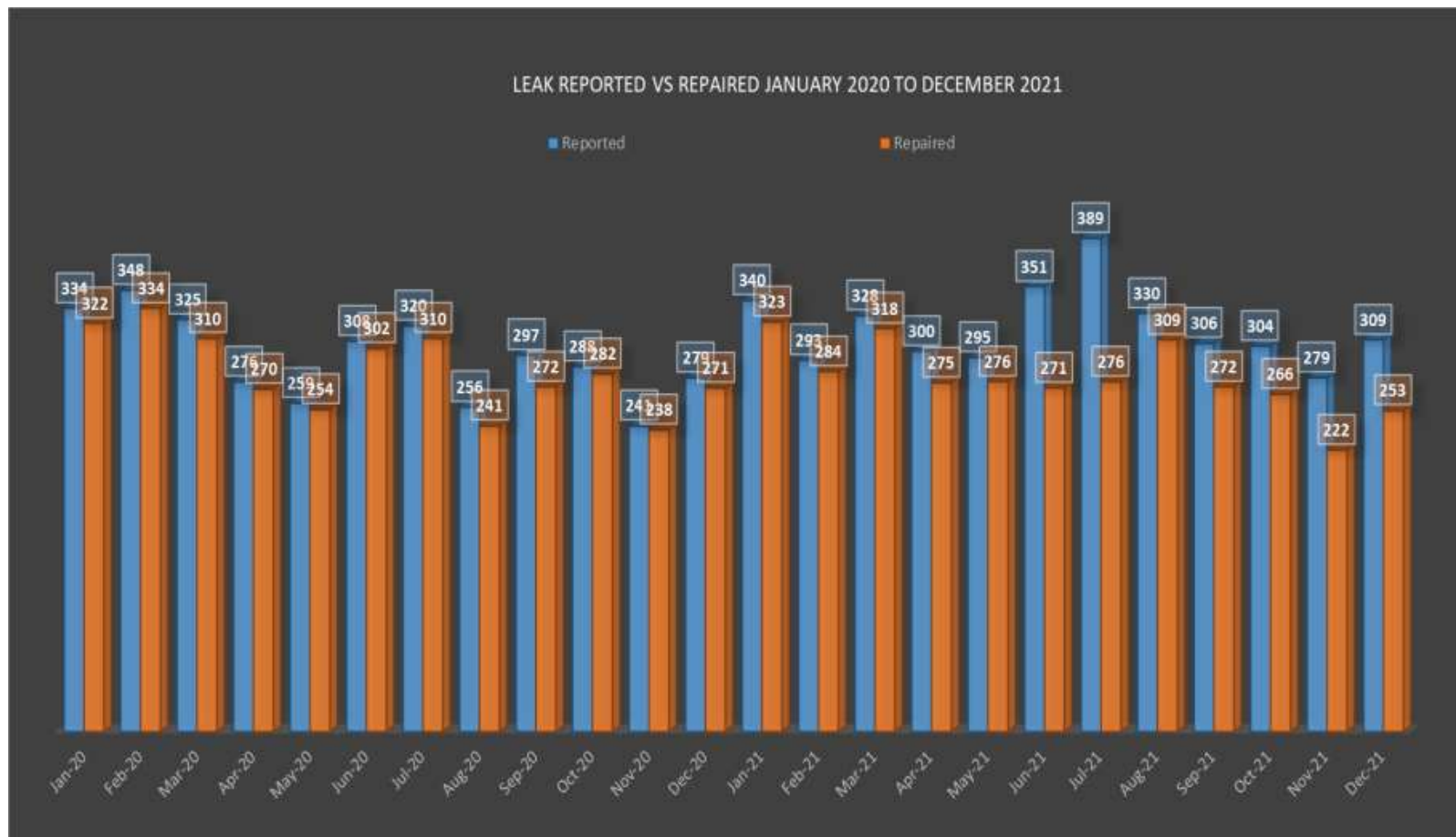
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo	Gov't. - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021. Follow up status sent to DLM 09/02/2021, 10/06/2021 and 11/03/2021.
	Piti	Private	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. 2 nd follow up sent on 09/12/18. 3 rd follow up sent on 04/10/19. Retracement Survey Property Map filed and recorded at DLM 7/10/19. 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. 2 nd follow up status email sent to DCA 11/10/2021. Follow up status sent to DCA 01/11/2022.
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.

(Continued on next page)

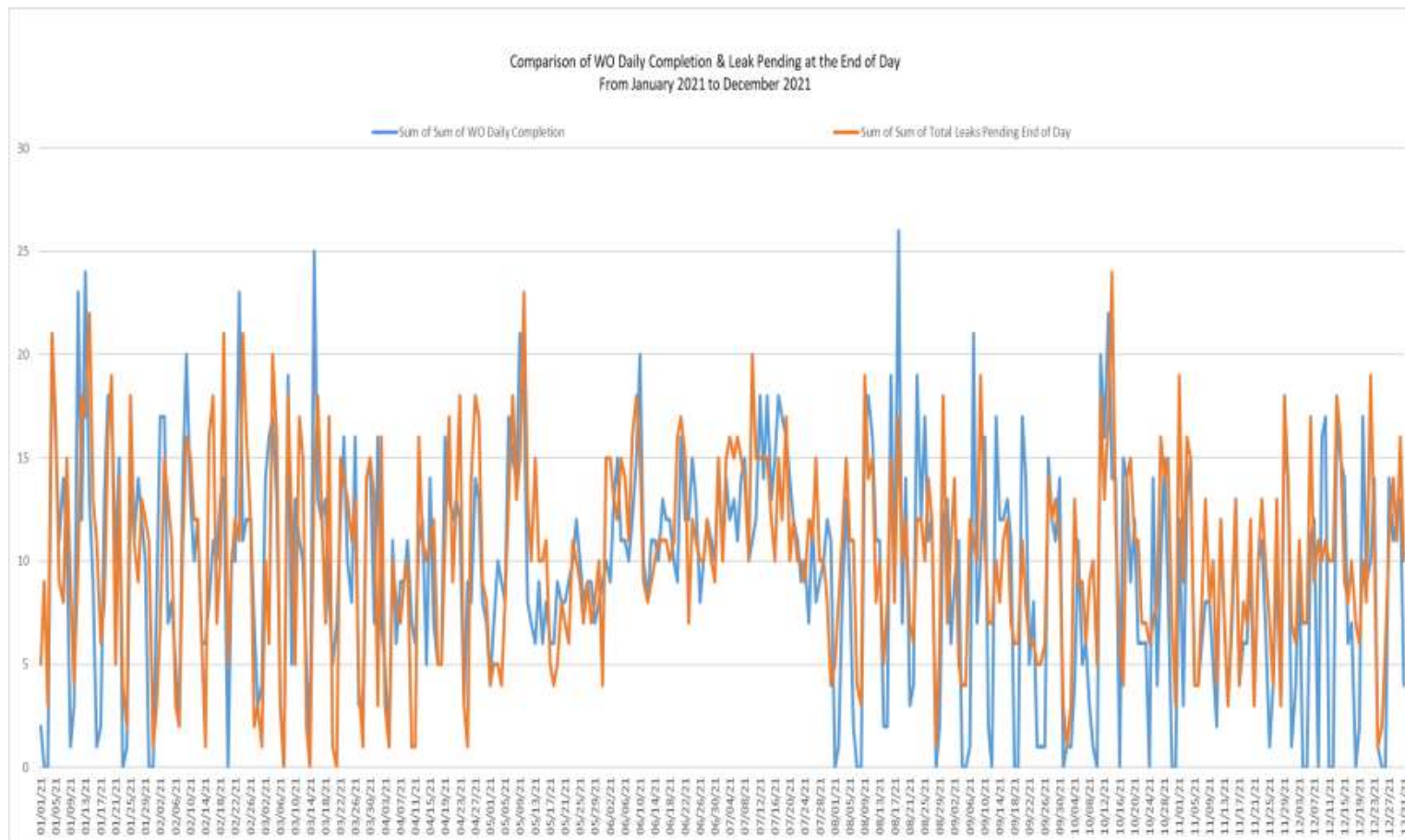
Land Acquisition Summary (through December 2021 – continuation)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Asan	Federal	<p>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.</p> <p><u>Biological Survey:</u></p> <ul style="list-style-type: none"> 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, 10/28/2021. <p><u>DOAG Environmental Consultation Letter:</u></p> <ul style="list-style-type: none"> 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. <p><u>SHPO Letter:</u> Pending archaeological survey requirements from SHPO.</p> <ul style="list-style-type: none"> 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; awaiting response from SHPO.

Comparison of Leaks Reported vs. Leaks Repaired (through December 2021)



Daily Leak Repairs (through December 2021)



Monthly Leak Report Cost (through December 2021)



Assumptions:

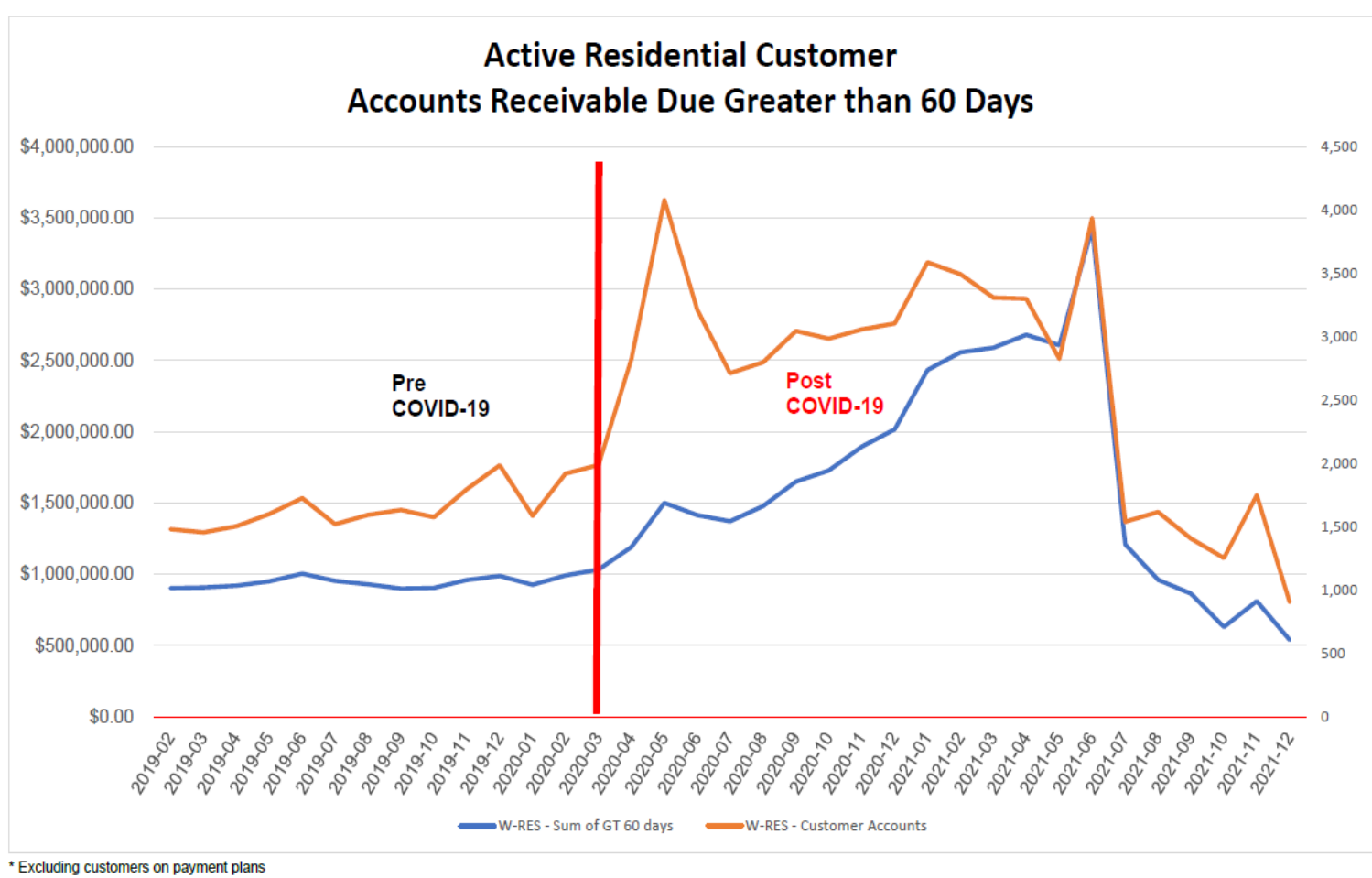
1. Leak rate = 4 gpm
2. Cost per kgal = \$4.00

Water Theft Cases Reported to GPD – FY2019, FY2020, FY2021

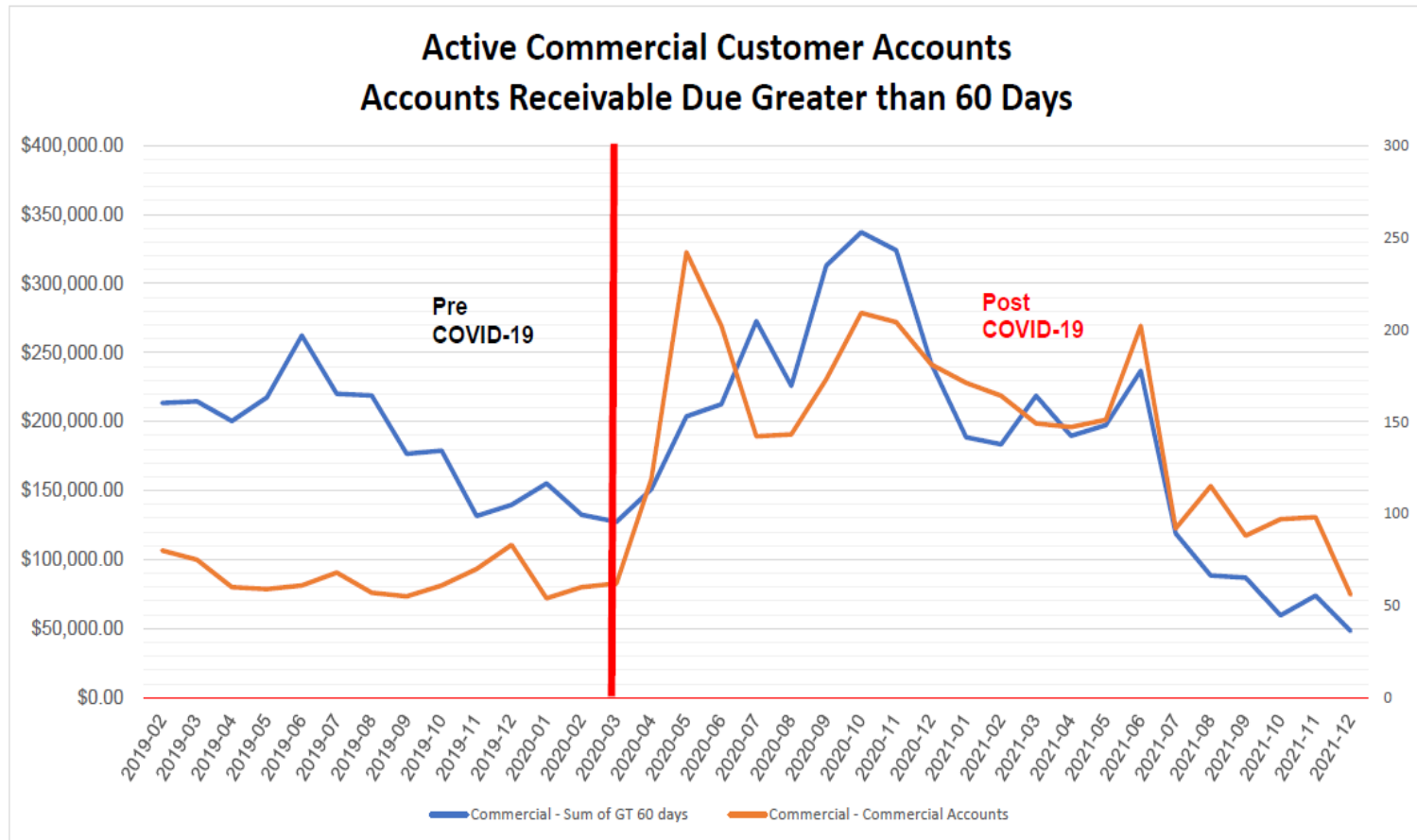
WATER THEFT CASES REPORTED TO GPD - FY2019, FY2020, FY2021

RPU CASE#	GPD CASE#	TYPE OF REPORT	Discovery Date	TOTAL THEFT LOSS	3/4" ILLEGAL CONNECTION PENALTY	TAMPERING FEE	TOTAL THEFT AND PENALTIES
RPU-FY19-0007	2018-32049	ILLEGAL CONNECTION	10/31/2018	\$ 6,020.30	\$ 2,500.00	\$ 500.00	\$ 9,020.30
RPU-FY19-0017	2019-03805	ILLEGAL CONNECTION	02/07/2019	\$ 6,020.30	\$ 2,500.00	\$ 500.00	\$ 9,020.30
RPU-FY19-0037	2019-11612	ILLEGAL CONNECTION	04/22/2019	\$ 4,484.62	\$ 2,500.00	\$ 500.00	\$ 7,484.62
RPU-FY19-0053	2019-22532	ILLEGAL CONNECTION	08/06/2019	\$ 3,243.99	\$ 2,500.00	\$ 500.00	\$ 6,243.99
RPU-FY20-0005	2019-33990	ILLEGAL CONNECTION	11/14/2019	\$ 5,126.87	\$ 2,500.00	\$ 500.00	\$ 8,126.87
RPU-FY20-0008	2019-36351	ILLEGAL CONNECTION	10/30/2019	\$ 2,019.67	\$ 2,500.00	\$ 500.00	\$ 5,019.67
RPU-FY20-0010	2019-37514	INACTIVE METER STILL CONSUMING	12/23/2019	\$ 894.74	\$ 2,500.00	\$ 500.00	\$ 3,894.74
RPU-FY20-0011	2020-00583	ILLEGAL CONNECTION	01/02/2020	\$ 2,300.75	\$ 2,500.00	\$ 500.00	\$ 5,300.75
RPU-FY20-0012	2020-00582	ILLEGAL CONNECTION	01/06/2020	\$ 6,264.35	\$ 2,500.00	\$ 500.00	\$ 9,264.35
RPU-FY20-0017	2020-3938	INACTIVE METER STILL CONSUMING	02/07/2020	\$ 7,586.27	\$ 2,500.00	\$ 500.00	\$ 10,586.27
RPU-FY20-0019	2020-5196	ILLEGAL CONNECTION	02/18/2020	\$ 5,592.95	\$ 2,500.00	\$ 500.00	\$ 8,592.95
RPU-FY20-0021	2020-5209	INACTIVE METER STILL CONSUMING	02/18/2020	\$ 3,451.13	\$ 2,500.00	\$ 500.00	\$ 6,451.13
RPU-FY20-0038	2020-20209	ILLEGAL CONNECTION	08/11/2020	\$ 6,064.98	\$ 2,500.00	\$ 500.00	\$ 9,064.98
RPU-FY21-0002	2020-29139	ILLEGAL CONNECTION	11/19/2020	\$ 6,343.62	\$ 2,500.00	\$ 500.00	\$ 9,343.62
RPU-FY21-0005	2021-1089	ILLEGAL CONNECTION	01/13/2021	\$ 6,769.37	\$ 2,500.00	\$ 500.00	\$ 9,769.37
RPU-FY21-0006	2020-30673	ILLEGAL CONNECTION	12/07/2020	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0007	2020-30670	ILLEGAL CONNECTION	12/07/2020	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0016	2021-8347	ILLEGAL CONNECTION	04/06/2021	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0018	2021-10339	ILLEGAL CONNECTION	04/27/2021	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0020	2021-11099	ILLEGAL CONNECTION	05/06/2021	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0022	2021-12256	ILLEGAL CONNECTION	05/20/2021	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0023	2021-13922	ILLEGAL CONNECTION	06/01/2021	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0024	2021-13922	ILLEGAL CONNECTION	06/01/2021	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0028	2021-15752	ILLEGAL CONNECTION	07/01/2021	\$ 3,669.57	\$ 2,500.00	\$ 500.00	\$ 6,669.57
RPU-FY21-0037	2021-17062	ILLEGAL CONNECTION	07/16/2021	\$ 133.71	\$ 2,500.00	\$ 500.00	\$ 3,133.71
RPU-FY21-0039	2021-17653	ILLEGAL CONNECTION	07/23/2021	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
RPU-FY21-0043	2021-19115	ILLEGAL CONNECTION	07/28/2021	\$ 136.29	\$ 2,500.00	\$ 500.00	\$ 3,136.29
RPU-FY21-0045	2021-19755	INACTIVE METER STILL CONSUMING	08/13/2021	\$ 243.81	\$ 2,500.00	\$ 500.00	\$ 3,243.81
RPU-FY21-0048	2021-22594	ILLEGAL CONNECTION	09/17/2021	\$ 138.00	\$ 2,500.00	\$ 500.00	\$ 3,138.00
RPU-FY21-0049	2021-22602	INACTIVE METER STILL CONSUMING	09/17/2021	\$ 1,692.70	\$ 2,500.00	\$ 500.00	\$ 4,692.70
RPU-FY21-0050	2021-23019	ILLEGAL CONNECTION	09/21/2021	\$ 6,624.23	\$ 2,500.00	\$ 500.00	\$ 9,624.23
				\$ 144,440.26	\$ 77,500.00	\$ 15,500.00	\$ 237,440.26

Accounts Receivables – Active Residential Customer Accounts (through December 2021)



Accounts Receivables – Active Commercial Customer Accounts (through December 2021)



* Excluding customers on payment plans



GWA Financial Overview

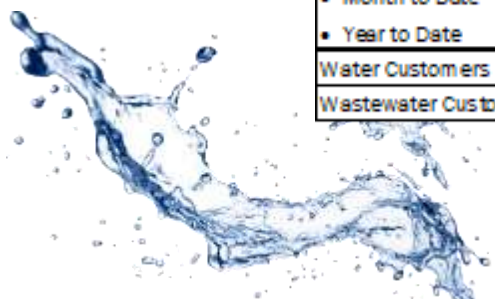
NOVEMBER 2021 AND DECEMBER 2021





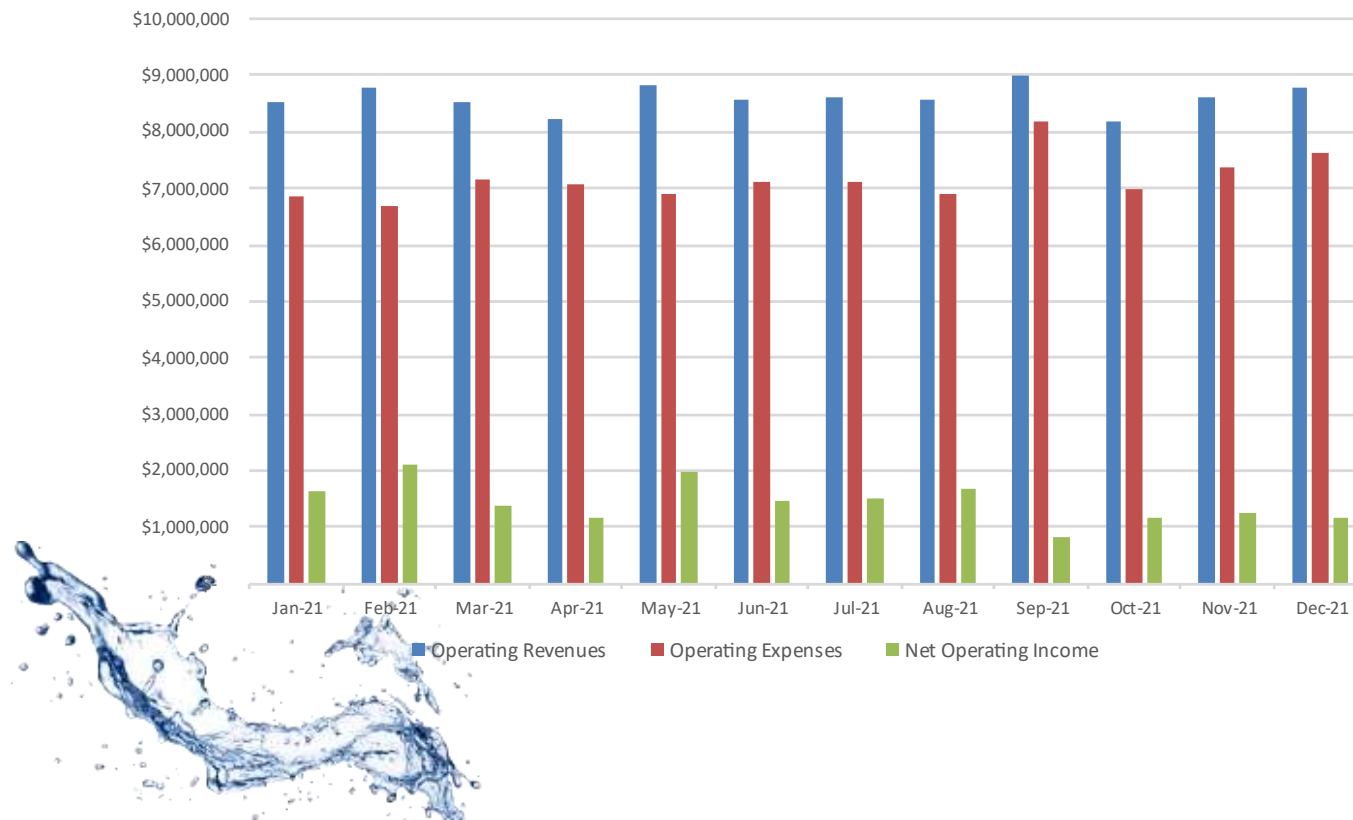
Key Financial Indicators

Indicator	Target	21-Nov	21-Dec
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.26	1.25
• Per PUC / CCU	1.40	1.40	1.25
Days - Cash on Hand	120 days	237 days	249 days
Collection Ratio			
• Month to Date	99%	87%	94%
• Year to Date	99%	89%	91%
Days Billed	30 days	31 days	30 days
Account Receivable Days	30 days	43 days	44 days
Account Payable Days	45 days	31 days	33 days
Employee Count	400 FTE	365 FTE	366 FTE
Water Demand			
• Month to Date	478,754	442,090	444,509
• Year to Date	1,436,262	878,392	1,322,901
Wastewater Flow			
• Month to Date	356,472	334,322	339,032
• Year to Date	1,089,416	643,613	962,645
Water Customers	42,839	43,054	43,185
Wastewater Customers	29,805	29,830	30,482





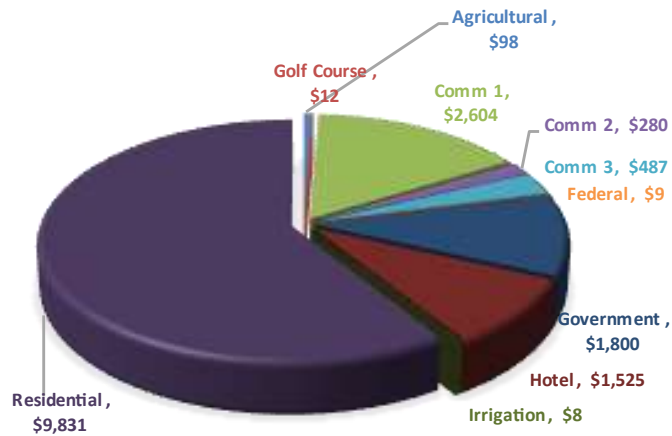
Income Statement



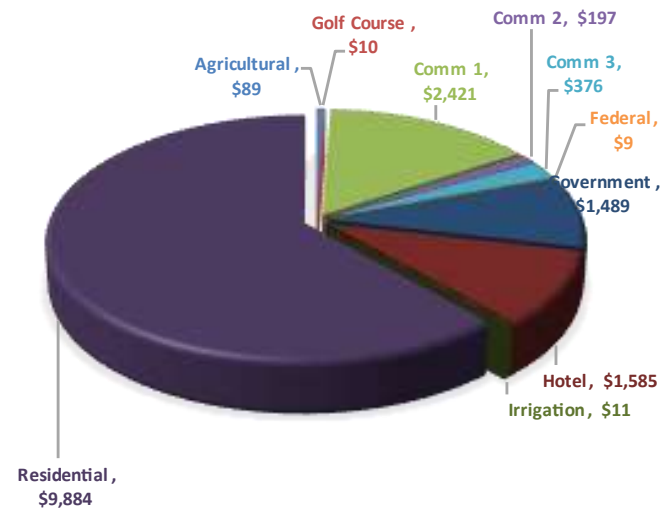


DECEMBER 2021 YTD Water Revenue by Rate Class

FISCAL YEAR 2022 (in '000)



FISCAL YEAR 2021 (in '000)

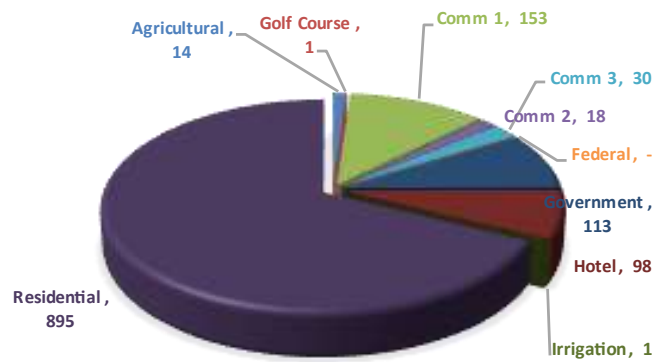




DECEMBER 2021 YTD Demand

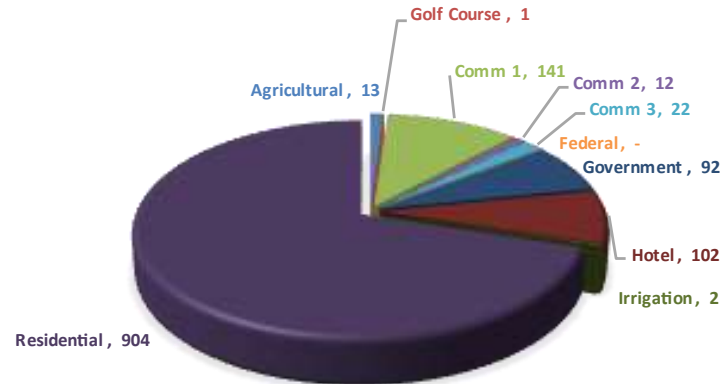
FISCAL YEAR 2022

in mGals



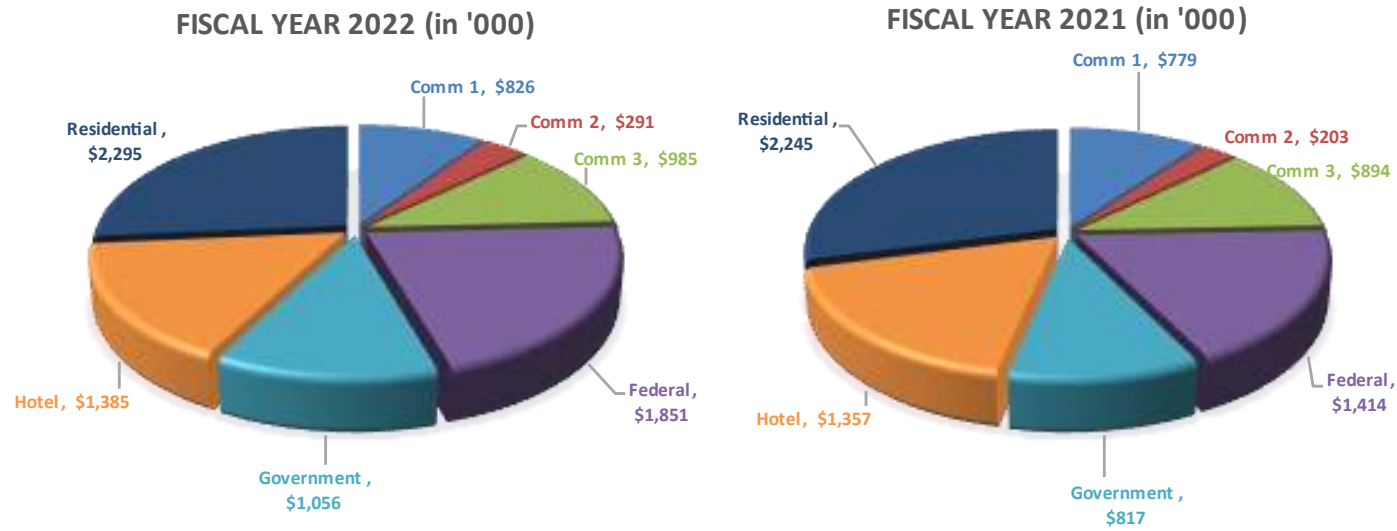
FISCAL YEAR 2021

in mGals



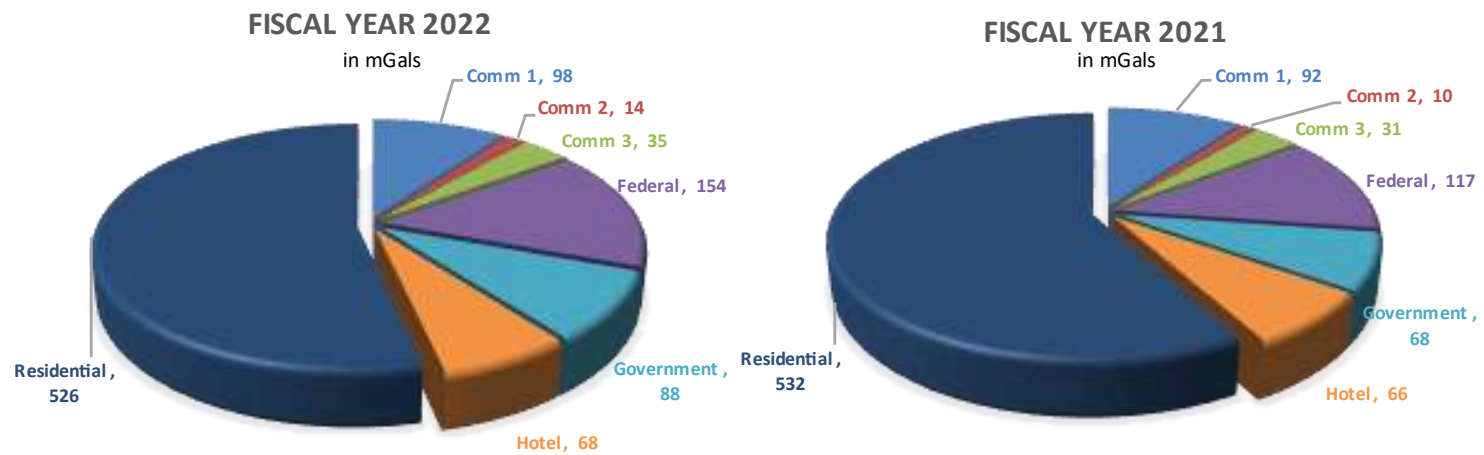


DECEMBER 2021 YTD Waste Water Revenue by Rate Class



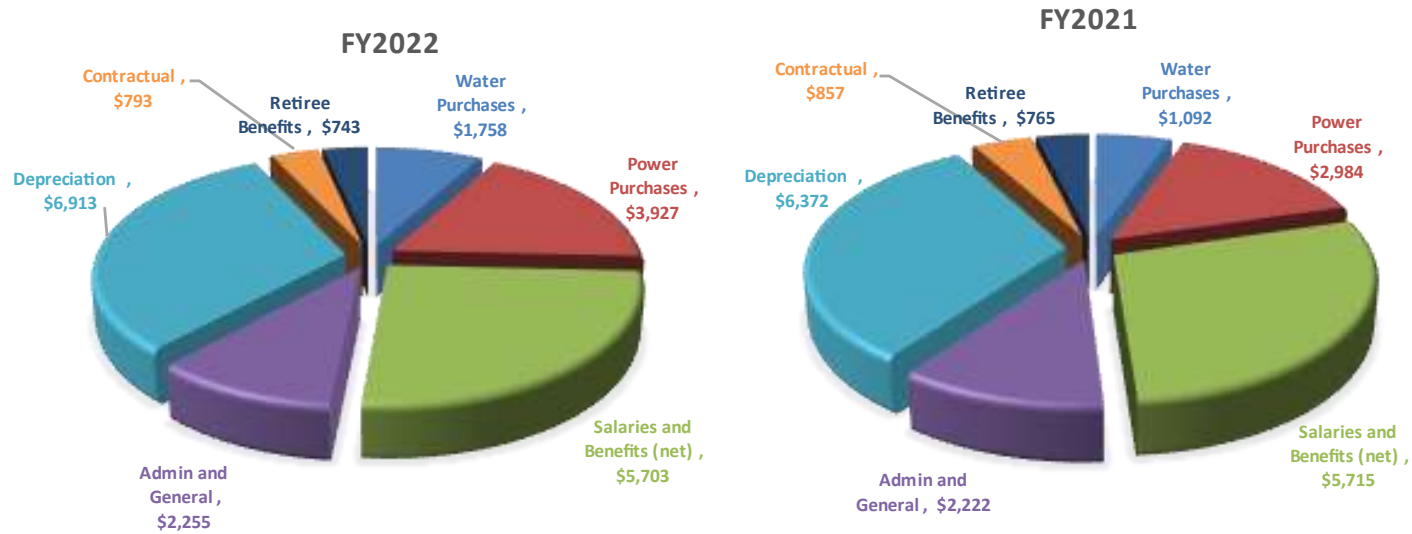


DECEMBER 2021 YTD Flow



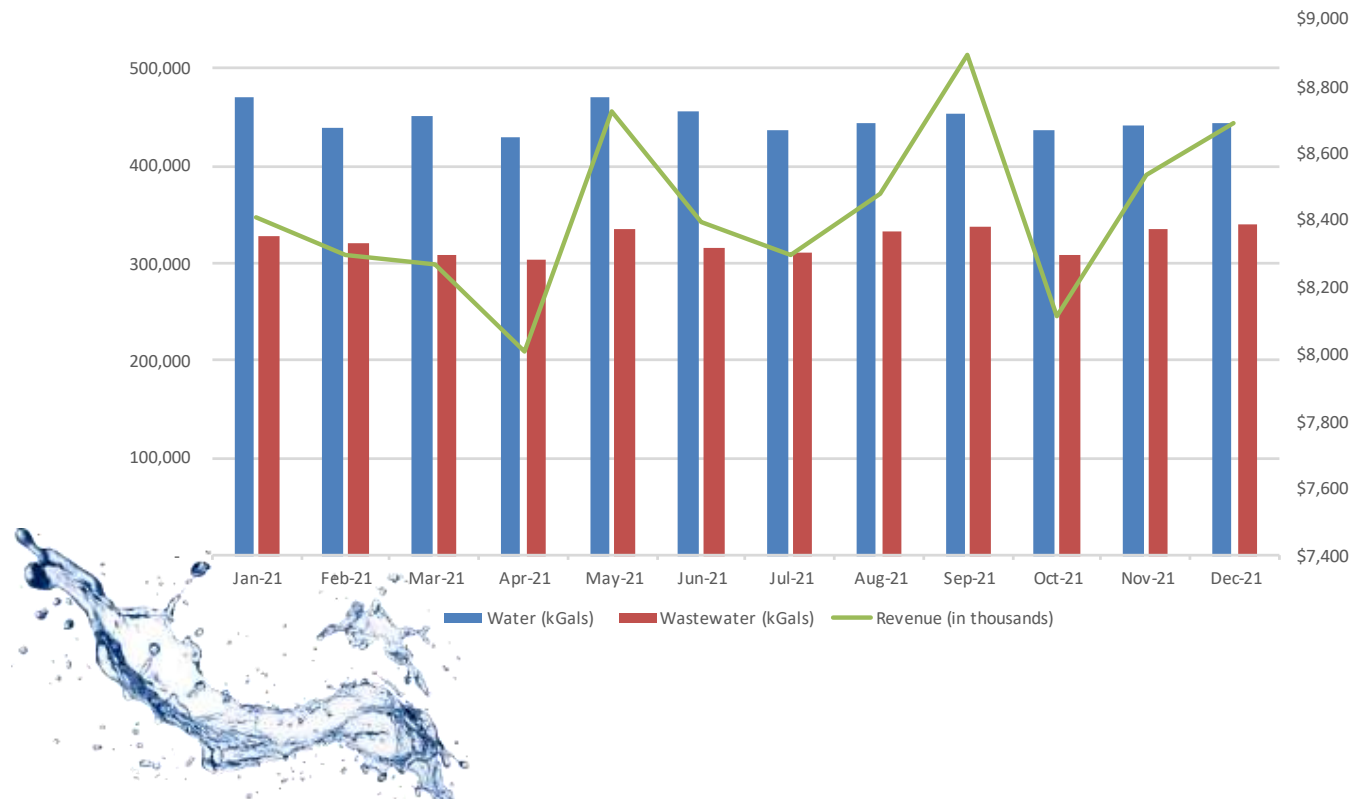


DECEMBER 2021 YTD Expenses by Categories



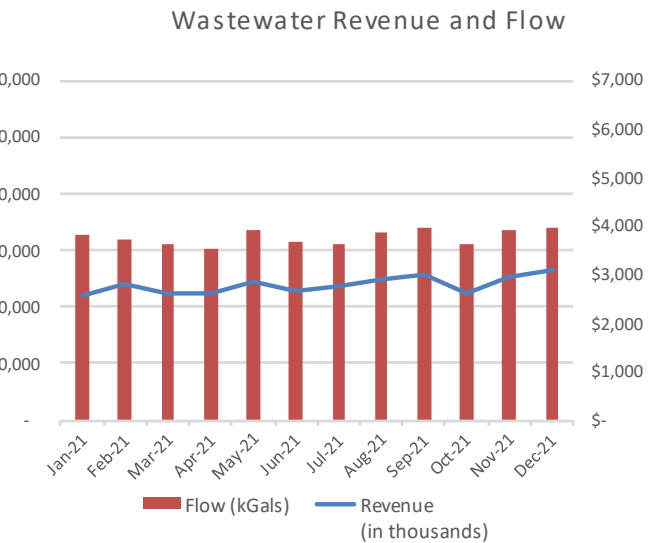
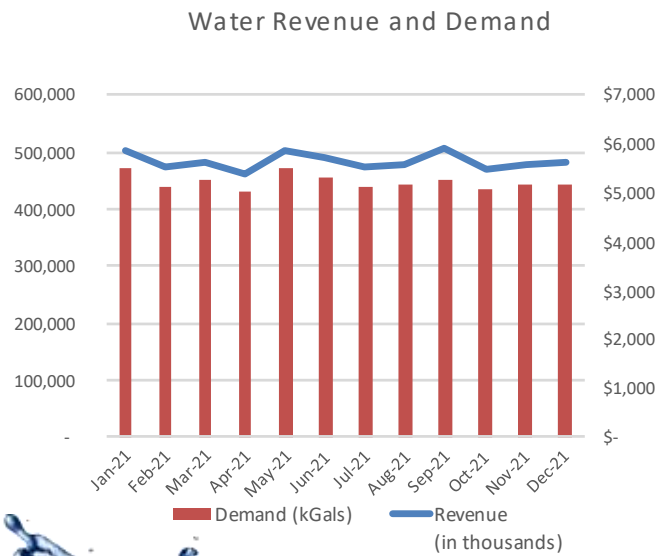


Overall Revenues and Demand



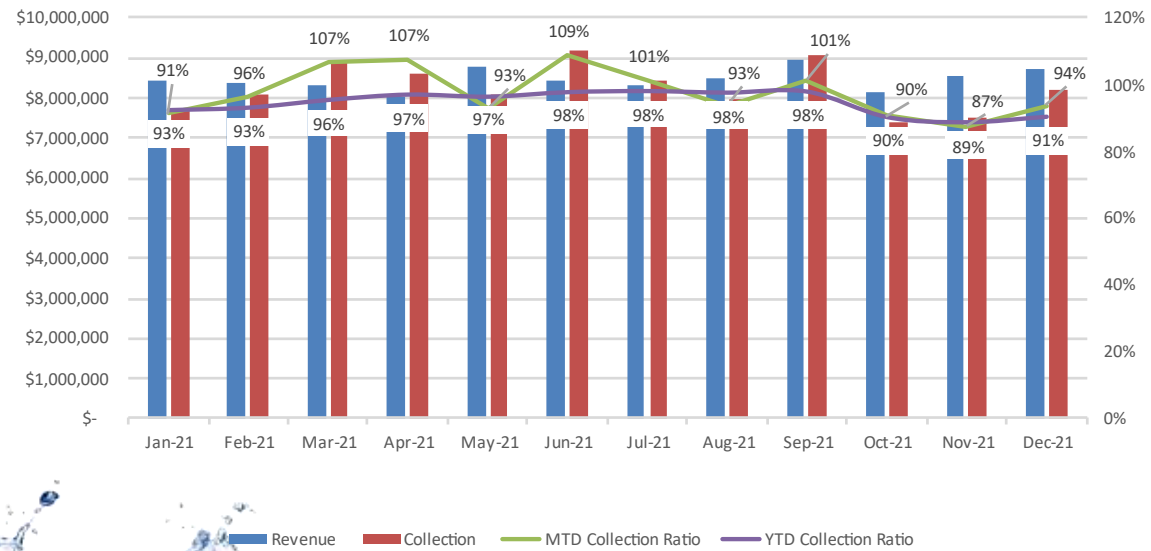


Revenues and Demand



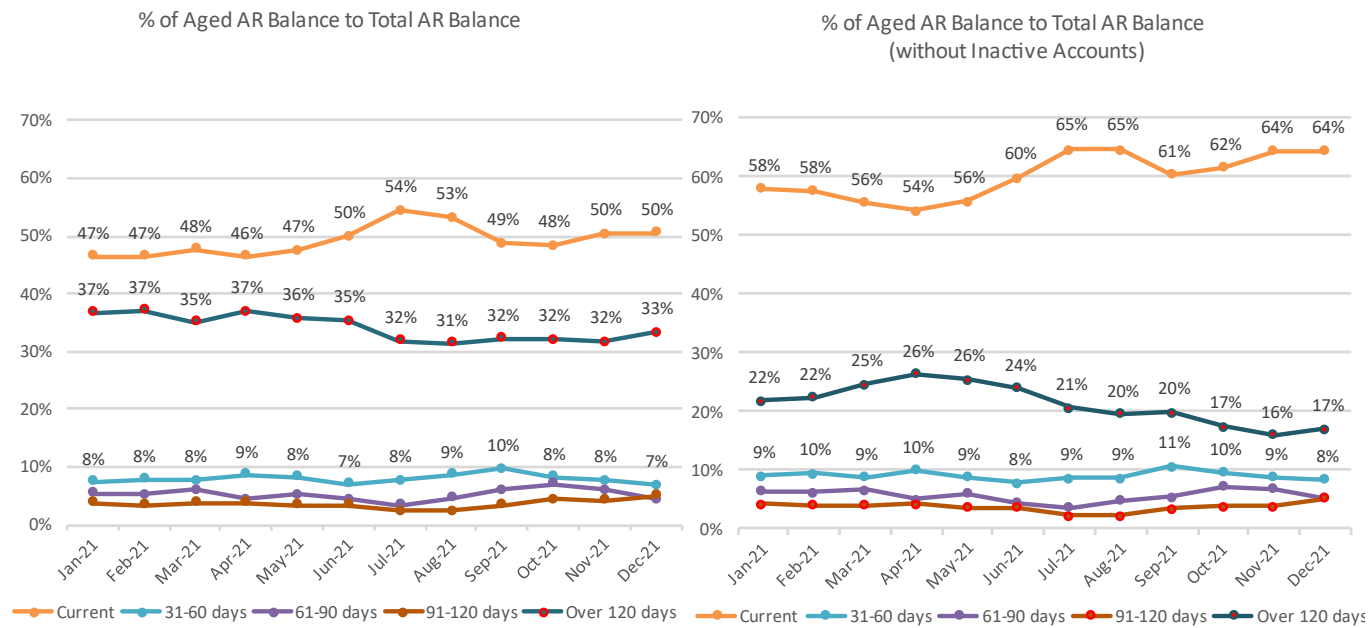


Overall Revenues and Collections



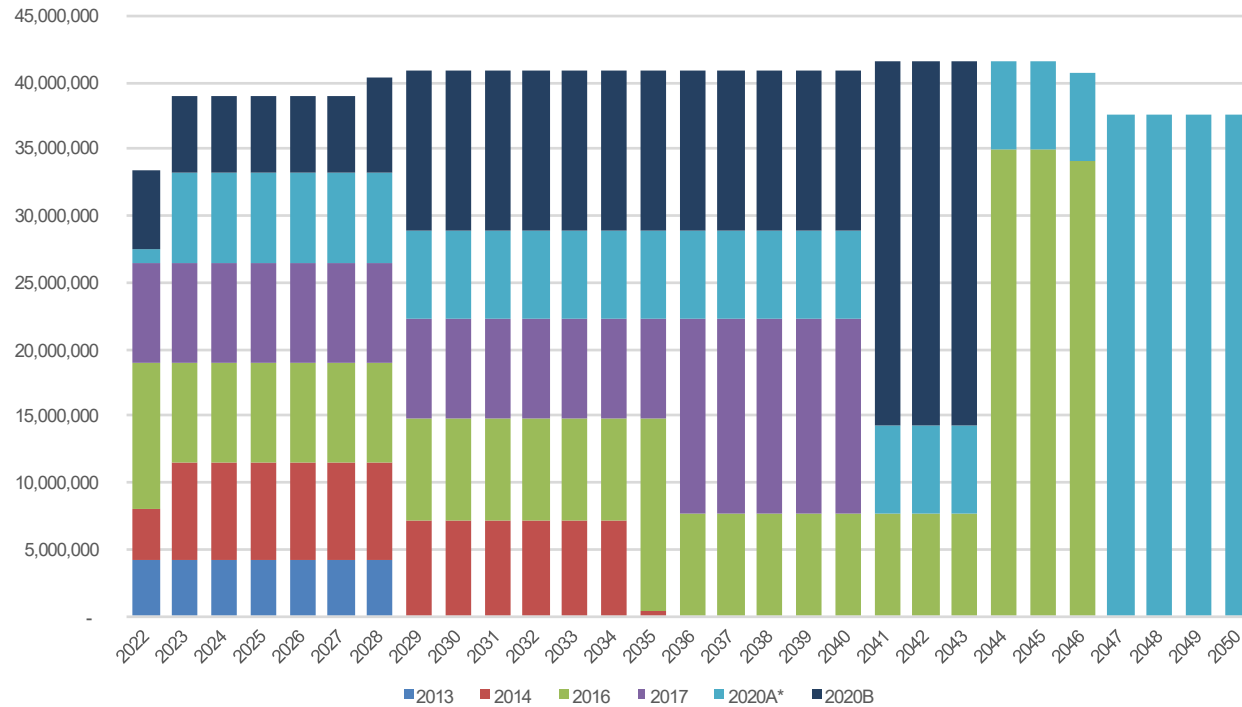


Overall – AR Aging





GWA Outstanding Debt Service



GWA Utility Services Division
Monthly Status Report
Month ending DEC 2021

FY2022		WEEK ENDING: 12/11/21	WEEK ENDING: 12/18/21	WEEK ENDING: 12/25/21	WEEK ENDING: 01/01/22	DEC 2021 MONTHLY TOTAL	WEEKLY AVERAGE DEC 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES								WEEKLY AVERAGE NOV 2021	NOV 2021 MONTHLY TOTAL
Collections Activities:									
I.	Number of accounts cut for nonpayment:	45	72	43	51	211	53	41	206
II.	Number of accounts restored for nonpayment:	22	46	18	20	106	27	30	152
III.	Number of No water reports responded to:	2	2	0	0	4	1	2	10
IV.	Number of Secure/Unsecure valve reports responded to:	5	5	3	3	16	4	7	35
V.	Number of Verify reads responded to:	1	1	0	0	2	1	4	18
VI.	Number of new pay plans negotiated for active accounts:	107	110	81	106	404	101	100	501
VII.	Number of active pay plans negotiated and ongoing:	607	594	607	587		599	680	
VIII.	Number of inactive accounts with a payment arrangement:	5	5	5	5		5	5	
IX.	Number of broken payment plans:	38	53	25	43	159	40	68	339
Customer Service Activities (lobby visits):									
A. GBN Public Service Building – Fadian									
i.	Total Customers Assisted:	180	194	148	176	698	175	188	938
ii.	Total Abandoned Requests:	2	4	2	4	12	3	4	22
iii.	Average Wait Time:	11 minutes	8 minutes	9 minutes	12 minutes		10 minutes	9.6 minutes	
iv.	Average Service Time:	11 minutes	12 minutes	12 minutes	10 minutes		11.25 minutes	11.2 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	58	47	47	52	204	51	54	269
2.	Restore water cut for non payment:	4	10	3	6	23	6	6	29
3.	Terminate Water:	15	13	8	14	50	13	12	60
4.	Copy of Bill:	26	28	17	18	89	22	23	115
5.	Billing Dispute:	24	47	41	42	154	39	39	193
6.	Billing Dispute follow up:	0	0	1	1	2	1	1	7
7.	General Questions & Other:	31	38	18	27	114	29	37	187
8.	Report a water leak:	0	0	0	1	1	0	0	2
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	23	16	15	17	71	18	16	81
B. Julale Satellite Office – Hagatna									
i.	Total Customers Assisted:	145	178	125	159	607	152	161	804
ii.	Total Abandoned Requests:	10	10	2	6	28	7	7	35
iii.	Average Wait Time:	3 minutes	4 minutes	3 minutes	3 minutes		3.25 minutes	3 minutes	
iv.	Average Service Time:	6 minutes	7 minutes	11 minutes	7 minutes		7.75 minutes	8.2 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	28	40	34	38	140	35	34	172
2.	Restore water cut for non payment:	10	5	5	3	23	6	7	34
3.	Terminate Water:	3	10	9	19	41	10	8	42
4.	Copy of Bill:	41	43	24	41	149	37	37	187
5.	Billing Dispute:	38	45	34	36	153	38	39	196
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	2
7.	General Questions & Other:	23	25	17	17	82	21	27	137
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:	5	11	3	8	27	7	8	38
C. Upper Tumon Satellite Office – Upper Tumon									
i.	Total Customers Assisted:	203	225	167	193	788	197	193	964
ii.	Total Abandoned Requests:	2	9	5	5	21	5	10	50
iii.	Average Wait Time:	5 minutes	4 minutes	4 minutes	8 minutes		5.25 minutes	4.6 minutes	
iv.	Average Service Time:	11 minutes	12 minutes	10 minutes	11 minutes		11 minutes	12.2 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	58	70	47	61	236	59	62	312
2.	Restore water cut for non payment:	1	10	2	5	18	5	6	32
3.	Terminate Water:	21	21	16	19	77	19	19	96
4.	Copy of Bill:	17	11	9	7	44	11	14	68
5.	Billing Dispute:	66	72	54	63	255	64	51	255
6.	Billing Dispute follow up:	1	0	0	0	1	0	1	3
7.	General Questions & Other:	32	36	26	29	123	31	33	167
8.	Report a water leak:	0	0	0	1	1	0	0	2
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	13	9	14	10	46	12	7	34

GWA Utility Services Division
Monthly Status Report
Month ending DEC 2021

FY2022 UTILITY SERVICES DIVISION ACTIVITIES							PREVIOUS MONTH	
	WEEK ENDING: 12/11/21	WEEK ENDING: 12/18/21	WEEK ENDING: 12/25/21	WEEK ENDING: 01/01/22	DEC 2021 MONTHLY TOTAL	WEEKLY AVERAGE DEC 2021	WEEKLY AVERAGE NOV 2021	NOV 2021 MONTHLY TOTAL
Customer Service Activities (Electronic):								
i. Emails Received:								
1. customers@guamwaterworks.org:	128	160	120	172	580	145	130	652
Request type (email):								
a. Apply for water:	23	34	17	24	98	25	26	128
b. Terminate Water:	6	13	8	21	48	12	15	75
c. Copy of Bill:	3	7	8	7	25	6	4	19
d. Billing Dispute & follow up:	0	0	1	1	2	1	42	211
e. General Questions & Other:	77	95	59	84	315	79	24	121
f. Report a water leak:	10	6	10	15	41	10	3	15
g. Report water theft:	0	0	0	0	0	0	12	58
h. Online services inquiry:	9	5	17	20	51	13	5	25
2. gwaservesme@guamwaterworks.org (realtors/prop mgrs):	0	1	0	1	2	1	1	4
ii. Emails Replied (both):	94	157	136	146	533	133	113	563
iii. Online Portal:								
Request type (online portal):								
a. Start Service:	0	0	1	1	2	1	0	2
b. Stop Service:	0	0	0	0	0	0	1	4
c. Payment Plan:	2	5	1	3	11	3	2	10
d. Customer Information Updates:	0	0	0	0	0	0	0	0
e. Service Investigations:	4	2	0	0	6	2	1	3
f. Account Inquiries:	3	3	1	3	10	3	3	14
g. Technical Support:	0	0	0	0	0	0	0	1
h. Outages & Emergencies:	0	0	0	0	0	0	0	0
Call Center Activities:								
i. Calls Received:	1092	1186	984	1271	4533	1133	1051	5257
ii. Calls Immediately Answered:	575	558	347	352	1832	458	575	2875
iii. Calls Abandoned:	47	43	42	54	186	47	46	228
iv. Calls Handled by Voice mail:	451	536	594	863	2444	611	406	2031
v. Average duration of call:	4 minutes	4 minutes	8 minutes	5 minutes		5.25 minutes	5.6 minutes	
vi. Breakdown by request type:								
1. Apply/Terminate info:	18	20	7	18	63	16	26	132
2. Automated Telephone Call:	13	4	1	2	20	5	10	50
3. Balance Inquiry:	31	41	20	31	123	31	60	302
4. Call Back:	14	25	8	30	77	19	16	80
5. Dispatch:	17	28	17	20	82	21	14	70
6. Dispute:	0	5	2	3	10	3	1	5
7. Follow-up:	38	36	21	17	112	28	35	175
8. General Questions & Other:	216	189	74	98	577	144	172	862
9. Route Calls to GWA Staff:	61	69	28	20	178	45	60	302
10. No Water:	36	17	22	18	93	23	16	80
11. Online/Phone App Help:	20	21	3	7	51	13	24	119
12. Pay by Phone:	63	84	29	41	217	54	104	522
13. Pay Plan:	51	68	24	43	186	47	48	242
14. Restore Non-payment:	19	26	13	11	69	17	11	56
15. Secure/Unsecure Valve:	8	6	3	5	22	6	10	49
16. Voice Mail:	53	68	45	101	267	67	61	305
17. Water leak:	4	11	1	4	20	5	9	43
Bill Dispute & Resolution Activities:								
i. Dispute Resolution:								
1. Number of disputed accounts resolved:	5	7	6	8	26	7	8	42
2. Number of disputed accounts under review:	1731	1756	1757	1775		1755	1695	
Data Entry of Completed Field work in CIS:								
i. Document Control:								
1. Number of field activities posted:	226	255	241	224	946	237	161	806
2. Number of field activities pending:	49	53	9	24	135	34	95	475
Field Response Activities:								
I. Number of field activities assigned:	111	182	189	186	668	167	234	1169
II. Number of field activities completed:	273	308	250	248	1079	270	279	1396
III. Number of field activities pending field action:	3	1	1	2	7	2	1	4

GWA Utility Services Division
 Monthly Status Report
 Month ending DEC 2021

FY2022 UTILITY SERVICES DIVISION ACTIVITIES	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	DEC 2021 MONTHLY TOTAL	WEEKLY AVERAGE DEC 2021	PREVIOUS MONTH	
	12/11/21	12/18/21	12/25/21	01/01/22			WEEKLY AVERAGE NOV 2021	NOV 2021 MONTHLY TOTAL
Meter Reading Activities:								
I. Number of meters read:								
A. Electronically Read Meters:	7619	13937	9204	3965	34725	8681	8549	42745
B. Manually Read Meters:	35	28	28	15	106	27	26	131
i. Unread meters (Meters scheduled but not read):	11	11	5	4	31	8	10	52
ii. Number of data logs received:	23	32	9	19	83	21	19	97
iii. Number of data logs retrieved:	17	49	4	16	86	22	18	92
iv. Number of data logs pending field action:	0	0	0	0	0	0	0	0
v. Communication Errors/Reprogramming requests:	0	0	11	10	21	5	1	6
vi. Number of estimated readings (for the week):	83	142	659	30	914	229	210	1050
vii. Reasons for Estimations:								
1. Cant locate meter:	0	0	0	0	0	0	1	3
2. Temporary Obstruction:	0	1	1	1	3	1	1	3
3. Vicious Dog:	0	0	0	0	0	0	0	0
4. Flooded meter:	0	0	0	0	0	0	0	2
5. Corrective action to database requested:	2	4	2	3	11	3	4	18
6. Possible changed out meter:	12	8	2	3	25	6	9	44
7. Communication/Programming error (code 92's):	0	0	0	0	0	0	1	7
8. Other:								
a. Leaks detected on customer's private line:	1194	2463	1257	543	5457	1364	1354	6771
b. Reverse Flow Detected:	52	113	648	15	828	207	178	890
c. No Usage Detected:	246	324	323	170	1063	266	314	1569
d. Tamper Code:	6	4	0	3	13	3	5	26
C. Electronic Read Percentage:	99.54%	99.80%	99.70%	99.62%		99.7%	98.4%	
Illegal Connection & Unauthorized Use of Water Activities:								
I. Number of Inactive Still Consuming Reports rec'd & Investigated:	0	1	0	1	2	1	0	0
II. Number of Illegal Connection reports rec'd & investigated:	1	2	1	1	5	1	1	5

GWA Utility Services Division
Monthly Status Report
Month ending NOV 2021

FY2022 UTILITY SERVICES DIVISION ACTIVITIES		WEEK ENDING: 11/06/21	WEEK ENDING: 11/13/21	WEEK ENDING: 11/20/21	WEEK ENDING: 11/27/21	WEEK ENDING: 12/04/21	NOV 2021 MONTHLY TOTAL	WEEKLY AVERAGE NOV 2021	PREVIOUS MONTH	
									WEEKLY AVERAGE OCT 2021	OCT 2021 MONTHLY TOTAL
Collections Activities:										
I.	Number of accounts cut for nonpayment:	37	57	9	45	58	206	41	82	328
II.	Number of accounts restored for nonpayment:	31	26	52	20	23	152	30	51	203
III.	Number of No water reports responded to:	3	3	1	2	1	10	2	7	26
IV.	Number of Secure/Unsecure valve reports responded to:	2	13	8	2	10	35	7	3	13
V.	Number of Verify reads responded to:	0	0	1	5	12	18	4	0	1
VI.	Number of new pay plans negotiated for active accounts:	96	100	103	60	142	501	100	89	357
VII.	Number of active pay plans negotiated and ongoing:	695	708	706	699	590		680	747	
VIII.	Number of inactive accounts with a payment arrangement:	5	5	5	5	5		5	6	
IX.	Number of broken payment plans:	109	39	51	36	104	339	68	54	217
Customer Service Activities (lobby visits):										
A. GBN Public Service Building – Fadian										
i.	Total Customers Assisted:	178	176	186	130	268	938	188	207	826
ii.	Total Abandoned Requests:	4	1	5	3	9	22	4	6	25
iii.	Average Wait Time:	7 minutes	12 minutes	7 minutes	7 minutes	15 minutes		9.6 minutes	9.75 minutes	
iv.	Average Service Time:	8 minutes	13 minutes	12 minutes	10 minutes	13 minutes		11.2 minutes	11.75 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	57	51	55	31	75	269	54	48	193
2.	Restore water cut for non payment:	4	9	5	4	7	29	6	10	40
3.	Terminate Water:	15	5	14	4	22	60	12	9	37
4.	Copy of Bill:	16	24	14	29	32	115	23	19	77
5.	Billing Dispute:	40	40	37	28	48	193	39	40	160
6.	Billing Dispute follow up:	1	2	1	0	3	7	1	1	2
7.	General Questions & Other:	34	32	46	23	52	187	37	72	289
8.	Report a water leak:	0	0	0	1	1	2	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	13	14	15	12	27	81	16	9	34
B. Julate Satellite Office – Hagatna										
i.	Total Customers Assisted:	179	146	153	105	221	804	161	154	616
ii.	Total Abandoned Requests:	7	7	1	5	15	35	7	6	22
iii.	Average Wait Time:	4 minutes	4 minutes	2 minutes	2 minutes	3 minutes		3 minutes	2.5 minutes	
iv.	Average Service Time:	9 minutes	8 minutes	9 minutes	7 minutes	8 minutes		8.2 minutes	7.75 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	33	24	40	20	55	172	34	34	137
2.	Restore water cut for non payment:	5	10	8	3	8	34	7	10	39
3.	Terminate Water:	7	7	10	1	17	42	8	11	44
4.	Copy of Bill:	42	35	32	37	41	187	37	38	151
5.	Billing Dispute:	37	42	40	21	56	196	39	34	136
6.	Billing Dispute follow up:	0	0	1	0	1	2	0	0	1
7.	General Questions & Other:	49	20	16	19	33	137	27	23	91
8.	Report a water leak:	0	0	0	0	0	0	0	0	1
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	6	10	7	5	10	38	8	8	31
C. Upper Tumon Satellite Office – Upper Tumon										
i.	Total Customers Assisted:	209	173	201	144	237	964	193	204	816
ii.	Total Abandoned Requests:	16	11	6	3	14	50	10	5	21
iii.	Average Wait Time:	5 minutes	4 minutes	3 minutes	6 minutes	5 minutes		4.6 minutes	4 minutes	
iv.	Average Service Time:	11 minutes	12 minutes	13 minutes	13 minutes	12 minutes		12.2 minutes	11.5 minutes	
v.	Purpose of lobby visit:									
1.	Apply for water:	52	54	64	52	90	312	62	52	208
2.	Restore water cut for non payment:	4	12	3	10	3	32	6	13	51
3.	Terminate Water:	22	15	19	15	25	96	19	20	81
4.	Copy of Bill:	15	9	21	9	14	68	14	19	75
5.	Billing Dispute:	71	47	52	27	58	255	51	61	243
6.	Billing Dispute follow up:	2	0	0	0	1	3	1	0	1
7.	General Questions & Other:	36	31	36	27	37	167	33	31	124
8.	Report a water leak:	1	0	0	0	1	2	0	1	2
9.	Report water theft:	0	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	7	5	7	5	10	34	7	11	42

GWA Utility Services Division
Monthly Status Report
Month ending NOV 2021

FY2022 UTILITY SERVICES DIVISION ACTIVITIES	WEEK ENDING: 11/06/21	WEEK ENDING: 11/13/21	WEEK ENDING: 11/20/21	WEEK ENDING: 11/27/21	WEEK ENDING: 12/04/21	NOV 2021 MONTHLY TOTAL	WEEKLY AVERAGE NOV 2021	PREVIOUS MONTH	
								WEEKLY AVERAGE OCT 2021	OCT 2021 MONTHLY TOTAL
Customer Service Activities (Electronic):									
i. Emails Received:									
1. customers@guamwaterworks.org:	137	171	107	146	91	652	130	126	502
Request type (email):									
a. Apply for water:	27	34	28	23	16	128	26	25	100
b. Terminate Water:	13	16	13	19	14	75	15	10	40
c. Copy of Bill:	0	8	2	4	5	19	4	4	16
d. Billing Dispute & follow up:	71	85	48	5	2	211	42	4	16
e. General Questions & Other:	4	2	7	64	44	121	24	68	272
f. Report a water leak:	0	0	0	11	4	15	3	5	21
g. Report water theft:	22	26	9	0	1	58	12	0	0
h. Online services inquiry:	0	0	0	20	5	25	5	9	37
2. gwaservesme@guamwaterworks.org (realtors/prop	1	0	0	1	2	4	1	0	0
ii. Emails Replied (both):	138	123	104	68	130	563	113	118	470
iii. Online Portal:									
Request type (online portal):									
a. Start Service:	1	0	0	1	0	2	0	3	10
b. Stop Service:	4	0	0	0	0	4	1	1	5
c. Payment Plan:	1	4	1	2	2	10	2	2	9
d. Customer Information Updates:	0	0	0	0	0	0	0	2	6
e. Service Investigations:	0	1	0	0	2	3	1	0	1
f. Account Inquiries:	3	1	4	3	3	14	3	5	19
g. Technical Support:	1	0	0	0	0	1	0	1	3
h. Outages & Emergencies:	0	0	0	0	0	0	0	0	0
Call Center Activities:									
i. Calls Received:	1221	1167	941	709	1219	5257	1051	1210	4840
ii. Calls Immediately Answered:	675	564	565	398	673	2875	575	589	2357
iii. Calls Abandoned:	50	53	30	39	56	228	46	49	197
iv. Calls Handled by Voice mail:	495	504	308	249	475	2031	406	549	2197
v. Average duration of call:	5 minutes	6 minutes	5 minutes	4 minutes	8 minutes		5.6 minutes	4.25 minutes	
vi. Breakdown by request type:									
1. Apply/Terminate info:	31	22	22	23	34	132	26	20	79
2. Automated Telephone Call:	9	9	10	9	13	50	10	8	31
3. Balance Inquiry:	68	56	50	49	79	302	60	82	327
4. Call Back:	17	18	14	14	17	80	16	22	89
5. Dispatch:	26	10	13	10	11	70	14	15	61
6. Dispute:	0	0	2	2	1	5	1	6	22
7. Follow-up:	37	26	32	32	48	175	35	44	174
8. General Questions & Other:	172	134	161	159	236	862	172	147	588
9. Route Calls to GWA Staff:	80	67	57	45	53	302	60	71	285
10. No Water:	28	11	15	15	11	80	16	19	74
11. Online/Phone App Help:	31	24	17	18	29	119	24	26	105
12. Pay by Phone:	176	148	64	62	72	522	104	71	284
13. Pay Plan:	50	51	38	37	66	242	48	45	178
14. Restore Non-payment:	9	6	15	14	12	56	11	18	71
15. Secure/Unsecure Valve:	11	17	6	5	10	49	10	10	40
16. Voice Mail:	68	75	41	41	80	305	61	81	324
17. Water leak:	8	9	9	7	10	43	9	13	53
Bill Dispute & Resolution Activities:									
i. Dispute Resolution:									
1. Number of disputed accounts resolved:	19	4	8	7	4	42	8	22	87
2. Number of disputed accounts under review:	1648	1712	1708	1700	1708		1695	1677	
Data Entry of Completed Field work in CIS:									
i. Document Control:									
1. Number of field activities posted:	261	236	14	98	197	806	161	279	1115
2. Number of field activities pending:	12	36	156	131	140	475	95	16	62
Field Response Activities:									
I. Number of field activities assigned:	264	178	227	147	353	1169	234	204	814
II. Number of field activities completed:	276	272	280	231	337	1396	279	279	1115
III. Number of field activities pending field action:	2	1	0	0	1	4	1	1	4

GWA Utility Services Division
 Monthly Status Report
 Month ending NOV 2021

FY2022		WEEK ENDING: 11/06/21	WEEK ENDING: 11/13/21	WEEK ENDING: 11/20/21	WEEK ENDING: 11/27/21	WEEK ENDING: 12/04/21	NOV 2021 MONTHLY TOTAL	WEEKLY AVERAGE NOV 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES									WEEKLY AVERAGE OCT 2021	OCT 2021 MONTHLY TOTAL
Meter Reading Activities:										
I.	Number of meters read:									
A.	Electronically Read Meters:	10420	8525	15960	7798	42	42745	8549	8966	35863
B.	Manually Read Meters:	43	33	26	26	3	131	26	35	139
i.	Unread meters (Meters scheduled but not read):	8	7	18	16	3	52	10	11	45
ii.	Number of data logs received:	20	21	29	23	4	97	19	29	117
iii.	Number of data logs retrieved:	14	18	25	20	15	92	18	26	105
iv.	Number of data logs pending field action:	0	0	0	0	0	0	0	1	3
v.	Communication Errors/Reprogramming requests:	1	2	1	1	1	6	1	0	0
vi.	Number of estimated readings (for the week):	346	247	337	110	10	1050	210	237	949
vii.	Reasons for Estimations:									
1.	Cant locate meter:	1	1	0	1	0	3	1	1	4
2.	Temporary Obstruction:	0	0	0	3	0	3	1	1	3
3.	Vicious Dog:	0	0	0	0	0	0	0	0	0
4.	Flooded meter:	0	0	0	2	0	2	0	1	3
5.	Corrective action to database requested:	2	6	5	2	3	18	4	3	12
6.	Possible changed out meter:	8	8	17	8	3	44	9	9	37
7.	Communication/Programming error (code 92's):	6	0	0	1	0	7	1	2	7
8.	Other:									
a.	Leaks detected on customer's private line:	1490	1372	2791	1115	3	6771	1354	1449	5796
b.	Reverse Flow Detected:	307	221	291	71	0	890	178	204	815
c.	No Usage Detected:	328	346	392	419	84	1569	314	262	1047
d.	Tamper Code:	13	4	5	4	0	26	5	5	20
C.	Electronic Read Percentage:	99.59%	99.61%	99.84%	99.67%	93.33%		98.4%	99.6%	
Illegal Connection & Unauthorized Use of Water Activities:										
I.	Number of Inactive Still Consuming Reports rec'd & investigated:	0	0	0	0	0	0	0	1	4
II.	Number of Illegal Connection reports rec'd & investigated:	2	0	0	1	2	5	1	0	1



Engineering Monthly Report January 2022

Prepared By:

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

Table of Contents

Section, Description	Page
A. Summary Table of 2010, 2013, 2016 and 2020 Bonds	3
B. Projects Procurement	6
C. CIP Water Section	9
D. CIP Wastewater Section	29
E. CIP Engineering Support	31
F. GIS Section	31
G. Permits Section	33

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	98.81%	1.19%	\$ -	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	97.73%	2.27%	\$ 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 Maligloj Elevated & Yigo Elevated	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	\$ 1,200,000.00	99.70%	0.30%	\$ -	N/A	N/A
MP-PW-Pipe-01	Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-03	Harmon Cliffline Piping to Route 1				\$ -	N/A	N/A
MP-PW-Pipe-04	Hyundai Well Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-05	Kaiser Zone Looping				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-07	Mataquac BPS Suction Piping				\$ 500,000.00	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	0.00%	100.00%
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance				\$ -	N/A	N/A
MP-PW-Misc-04	OneGuam Program				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-05	Leak Detection Assistance				\$ 150,000.00	0.00%	100.00%
DoD-3	Rehabilitation and New NGLA Monitoring Wells				\$ -	N/A	N/A
		\$ 81,331,136.00			\$ 66,291,000.00		

Wastewater

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
WW 05-04	Wastewater System Planning	\$ 312,983.00	100.00%	0.00%	\$ 150,000.00	56.32%	43.68%
WW 05-05	Wastewater Vehicles	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ 1,714,755.00	75.92%	24.08%	\$ 1,050,000.00	9.21%	90.79%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,055,478.00	60.53%	39.47%	\$ 1,400,000.00	0.00%	100.00%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	\$ 25,048,522.50	90.16%	9.84%	\$ -	N/A	N/A
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 252,105.00	100.00%	0.00%	\$ -	N/A	N/A
WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,226,659.06	89.93%	10.07%	\$ -	N/A	N/A
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-07	Umatac Merizo Replacement	\$ 20,952,871.63	99.89%	0.11%	\$ -	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	Barriagada Pump Station Pipe Rehabilitation/Replacement				\$ -	N/A	N/A
MP-WW-Pipe-03	Route 1 Pitti Pipe Rehabilitation/Replacement				\$ 940,000.00	0.00%	100.00%
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement				\$ 657,000.00	0.00%	100.00%
MP-WW-Pipe-05	Agana Heights Pipe Replacement				\$ -	N/A	N/A
MP-WW-Pipe-06	Northern District Route 1 Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-10	North Dededo Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-11	Route 16 Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-12	Barriagada 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	Turmon 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 1	\$ -	N/A	N/A	\$ -	N/A	N/A
EE 09-07	SCADA Improvements - Phase 2	\$ -	N/A	N/A	\$ 45,000.00	0.00%	100.00%
EE 09-08	SCADA Improvements - Phase 3	\$ 1,077,497.00	74.43%	25.57%	\$ 25,000.00	0.00%	100.00%
EE 09-09	SCADA Improvements - Phase 4	\$ 4,378,118.00	77.51%	22.49%	\$ -	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	130**	\$84.407	96.29%	7.79
2013	\$140.819	92**	\$137.145	97.39%	17.89
2016	\$142.946	62**	\$132.325	92.57%	25.61
2020	\$123.590	17**	\$10.271	8.31%	7.25

* End date November 2013 via CCU Resolution 06-FY2014

** Include months of November and December 2021

*** 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:

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

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

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.	
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 2 (DCA)	Start Date: April 2010
89% 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: <ul style="list-style-type: none"> ● Yigo no. 3 steel tank repair ● Agat-Umatat 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 meet system head requirements.	

DESIGN PW 09-11	Northern and Southern Guam Reservoir Design (TG Engineers)	Start Date: May 2015
90% Complete	<p>Activities/Notes:</p> <p><u>Ugum Reservoir</u> Design is at 90%. Designer is working towards 100%.</p> <p>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.</p> <p>SEARCH provided a date of February to submit the revised AMDP to GWA for review.</p> <p>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.</p> <p><u>Inarajan and Agfayan Booster Pump Station</u> Biological Assessment and Archaeological report are pending.</p> <p>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.</p> <p>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.</p> <p>TGE provided a letter for GWA review. The letter will request to perform archaeological monitoring during construction in lieu of research design for the Agfayan BPS site.</p>	<p>Completion Date: Completion will be in line with construction completion.</p>

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

DESIGN PW 12-04	Central Guam Reservoirs Design (GHD Inc.)	Start Date: May 2015
93% Complete	<p>Activities/Notes:</p> <p><u>Tamuning No. 2 Reservoir and Tamuning Booster Pump Station</u> 90% design submitted. Plans are under review by GWA.</p> <p>Per Bobbie, property acquisition letter for Lot 1, Block 5, Tract 1427 has been signed by GM. Property purchase is underway.</p> <p>Parceling map is being prepared.</p> <p>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.</p> <p>Designer is having issues with contacting the sub to perform the archaeological survey.</p> <p>Need approval from GIAA/GEPA for GWA to abandon monitoring well.</p> <p>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.</p> <p><u>Manenggon Reservoir and Access Booster Pump Station</u> 100% design revision submitted. Plans is under review by GWA. Electrical/instrumentation review complete.</p> <p>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.</p> <p><u>Piti Reservoir</u> DCA and GHD are working to put the bid package together. DCA has already completed the major steel tank repair plan and specifications. GHD is working on site utility plan and specifications.</p>	<p>Completion Date: Completion will be in line with construction completion.</p>

	<p>GWA has not submitted the Right of Way application to National Parks Services yet. GWA has received the final Dept. of Agriculture consultation response letter. Biological Assessment report has been completed. Archaeological report needs to be completed before ROW application can be submitted.</p> <p>Waiting on National Park Service to allow Archaeologist to go onsite to perform survey. GWA did a follow up on this request. National Park Service sent the request to their national office for review and approval. GWA is following up with NPS on request to enter site to conduct archaeological survey.</p> <p>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.</p> <p><u>A23-A25 Deepwell (PFAS Treatment)</u> A23 and A25 MOU signed by DPW and GWA.</p> <p>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.</p> <p>Grants Section still needs approval from Army Corp before USDOT can issue the grant award and conditions. Grants Section is actively working with Army Corp for clearance.</p> <p><u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon no. 1, Hyundai, Chaot no. 2 Reservoir Construction for update.</p>	
CO 29 (b)(4)	Engineering design services	
Project Description:	<p>The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti & Tumon #1.</p>	

DESIGN PW 05-15	Asan Springs Rehabilitation Design (HDR)	Start Date: August 24, 2016
82% Complete	<p>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.</p> <p>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. Affects Section 106 Letter.</p> <p>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.</p>	Completion Date: June 2022
	Engineering design services	

Project Description:	<ul style="list-style-type: none"> - Perform site visits and condition assessment for site conditions to determine demolition and rehabilitation requirement, process equipment condition, structural condition, and electrical system. Site condition assessment shall include all disciplines to execute the project. - Review and validate the current property boundary information to confirm the available space for the project development. - Perform an environmental impact study and prepare all required permits as needed. - Perform an archeological and historical resources study to identify potential impact to the project, prepare all required permits as needed. - Coordinate with Guam Historic Resources Division State Historic Preservation Office (SHPO) on historical resources study. Prepare all necessary reports and documents as required by SHPO. - Coordinate with Guam Department of Agriculture, Division of Aquatic and Wildlife Resources (DAWR) on vegetation clearance. Prepare all necessary reports and documents required by DAWR. - Identify the existing and projected service area, period of design. - Identify and recommend conceptual water treatment system. - Perform a Class 4 engineering cost estimate according to the American Association of Cost Engineers (AACE) International Cost Estimate Classification System for construction fee. Cost must include all disciplines, permit, construction and administration that are necessary to execute the project. All costs will be in current dollars and escalated to the estimated midpoint of construction.
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CONSTRUCTION PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction (Pernix)	Start Date: December 1, 2016
100% Complete	Activities/Notes: GWA and CM is working with Pernix to close out project. Final walkthrough completed. Lien Release and Warranty documents received. Spare parts received. Final invoice processed. Final retention payment has been released 07/2021. Project closed out.	Completion Date: October 31, 2018
	Construction Services	
Project Description:	This project will involve construction of two (2) 2MG concrete tanks and Booster Pump Station at the Yigo site and a one (1) 2MG concrete tank at the Astumbo site. Work will involve new pipe line, valves, electrical controls, pumps and motors, site drainage, paving, generator for the BPS, SCADA, etc.	

<u>CONSTRUCTION MANAGEMENT</u> PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction Management (GHD)	Start Date: December 2016
100% complete	Activities/Notes: Working to complete project close out requirements. To date, GWA has not received close out documents from the CM. CM is working on putting close out package to submit to GWA. Once close out package has been submitted to GWA, the final payment will be processed. Final payment made to CM. Close out documents received.	Completion Date: August 2019
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the demolition of existing steel elevate and ground tanks as well as the construction of the 2MG concrete tanks at the Yigo tank location and Astumbo tank location. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	
<u>CONSTRUCTION MANAGEMENT</u> 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.	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.	
<u>CONSTRUCTION</u> 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: <u>Tumon No. 1</u> Tumon no. 1 online – 08/20/2020.	Completion Date: TBD (Completion date has passed. Pending

	<p>Working on St. John's PRV. Final outage completed on 09/02/2021. Work remaining is pavement restoration. Pavement restored.</p> <p>Pale San Vitores PSRV and FM Outlet interconnect line is 66% complete.</p> <p>CCR submitted by the Contractor for the additional potholing, paving, and newly discovered 8 in. interconnect.</p> <p><u>Barrigada Heights No. 1 (Hyundai)</u> Barrigada Heights no. 1 online – 10/09/2020. Booster pump skid arrived. Contractor is actively working on installing the pump skid and associated equipment.</p> <p>Temporary piping installed at the Hyundai tank. Pressure testing completed. Working with Contractor and GWA Operations to put portion of line into service.</p> <p>Contractor is working on correction to the electrical system.</p> <p>Contractor to submit a commissioning plan for the BPS.</p> <p>Working on design plan to permanently use the Steel Temp Tank. Additional funding will need to be identified for the work.</p> <p><u>Barrigada</u> Contractor working on electrical for booster and PRSV station.</p> <p>GPA addressed the incoming unbalanced power. Contractor to confirm.</p> <p><u>Chaot No. 2</u> Chaot No. 2 tank online – 09/02/2020.</p> <p>Contractor working on A-series well, Dero Rd connection to Leo Palace line, chlorination system improvements and miscellaneous improvements.</p> <p>Tank distribution and Leo Palace line has been completed.</p> <p>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.</p>	time extension for permit delays.)
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	<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.	

CONSTRUCTION MANAGEMENT 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: Change Order no. 1 issued. Santa Rita NTP issued to CM on 12/14/2020. Santa Rosa NTP issued to CM on 01/11/2021. 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	<p>Activities/Notes:</p> <p>Santa Rosa Reservoir and BPS: New tank foundation, retaining wall, vault, site piping, detention basin, and site piping work are ongoing.</p> <p>All tank walls and columns have been poured.</p> <p>Contractor to resubmit CCR for the booster pump station changes.</p> <p><u>Santa Rita Reservoir:</u> New tank foundation preparation, pile rebar cage, detention basin, vault, and site piping are ongoing.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>GWA sent a notification letter regarding the slope failure to TGE. TGE does not agree with the cause of the slope failure, but will work with GWA to address the piping and roadway realignment.</p> <p>Adjacent land owner contacted Senator Telena Nelson's office. A site visit was conducted by GWA, DPW, AIC, Land Owner, Senator's office. GWA shall have AIC prepare a temporary roadway through GWA's property and provide an ATV for the Land Owner to use.</p> <p><u>Sinifa:</u> Foundation and retaining wall complete.</p> <p>Starting on core wall no. 1.</p>	<p>Completion Date: Santa Rosa Final Completion – February 13, 2022</p> <p>Santa Rita Final Completion – March 15, 2022</p> <p>Sinifa Final Completion – January 14, 2022</p>

	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	<p>Activities/Notes: Construction work active at all sites. Construction meetings are ongoing.</p> <p>Clara: Outage for Clara PRV line connection delayed. Outage will be rescheduled after Ops completes field investigation to secure the necessary lines. Investigation prolonged. Trenches for work backfilled for now at DPW's request to remove steel plates. Onsite work for electrical installation, backfilling near vaults, etc still ongoing. Site progress delayed. GTA conduit damage concern being addressed. Situation was raised to GWA Legal counsel and we are awaiting response.</p> <p>Kaiser: Outages for the reservoir inlet and outlet connection completed. Outage pending. Onsite work for electrical installation, pipe installation, painting, etc still ongoing. 2 pending outages for week of 01/10/2022 for connections near PRV 80 and PRV 79.</p> <p>Carnation: Installation of SCADA panel/ antenna, and fencing around control room ongoing.</p> <p>Ysengsong: Road re-opened 10/25. SCADA panel and electrical piping are getting installed.</p> <p>Okkodo: Preparing for PRV 30 outage. Original outage for PRV connection was delayed due to the ongoing investigations at Clara. Outage date not scheduled yet. Other works still ongoing on site.</p> <p>Terao and Maimai: Work ongoing for construction of vaults.</p> <p>SMCC payment no. 7 and CO no. 2 (which adds 68 days to contract) processed.</p>	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.	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-Umatat repairs to be completed by 01/31/2022. Remaining work is exterior coating and minor interior paint touch up. Yigo no. 3 repairs to be completed by 01/31/2022. Remaining work is welding wall back and performing repairs to the wall. 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,	Completion Date: TBD (Dependent on repairs required after inspection)

	<p>column repair, metal repair, interior coating and other miscellaneous metal repair.</p> <p>Santa Ana bypass work is ongoing. Waiting for the revised electrical submittal.</p> <p>Ladda PSRV installed.</p> <p>Pigua PSRV installed.</p> <p>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 is scheduled for this week.</p> <p>Gues BPS work ongoing. Contractor installed pump skid. Working on piping and electrical.</p> <p>Togan BPS work ongoing. Contractor working on piping and electrical.</p>	
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	GWA issued the last 11 pcs. of FH body on stock to Mega United. The 11 pcs. FH were completely installed 12/28/2021 in Yona. Mega United is on standby beginning 01/03/2022 waiting for GWA FH Body to arrive. Karen	Completion Date: April 23, 2022

	Grape of GWA Ops is handling the procurement of FH materials for GWA.	
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 98.26% Complete	Groundwater Well Production Meter Replacement Project (Giant Construction) 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 schedule 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. 5 allows extension of the contract time by 215 days from the approval date of the CO. CO no. 6 will be prepared to reflect this time extension.	Start Date: April 29, 2020 Completion Date: January 14, 2022
	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 15.2% Complete	Casimiru Waterline Replacement Project (Giant Construction) 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 is expected to submit claim for time extension due to delay in permit processing. The project sign was installed and about 600 feet of 6-inch waterline has been installed along Duenas Street.	Start Date: February 8, 2021 Completion Date: March 8, 2022
	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.	

<u>CONSTRUCTION</u> 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. Change Order no. 1 to hire an archaeologist has been approved. Archaeologist (SEARCH) submitted the archaeological design plans to DPR-SHPO on 10/11/2021. Waiting for DPR-SHPO comment/approval. Materials arrived on line and will be inspected by the project CM.	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.	

<u>CONSTRUCTION MANAGEMENT</u> 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	<p>Activities/Notes:</p> <p>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.</p> <p>Coordination with material suppliers has started. This coordination work is for the purpose of preparing the specifications.</p> <p>Draft Procurement (Bid) package was submitted 10/06/2021.</p> <p>Review comments sent to DCA on 10/26/2021.</p> <p>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.</p> <p>Because additional comments were not received on time, the October target date for the final submittal was moved to first week of November 2021.</p> <p>A second invoice for \$61,498.20 was approved on 10/18/2021 bringing the total payment to \$120,9245.20.</p> <p>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.</p> <p>DCA estimated the project to cost \$4,275,250.</p>	Completion Date: December 3, 2021
	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.
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<u>IN-HOUSE DESIGN AND CONSTRUCTION</u> PW 09-03	Balaku Street and Borja Street Replacement Project (GWA)	Start Date: June 21, 2021
12% Complete	<p>Activities/Notes:</p> <p>All required clearances for Building permit have been secured. Permit was sent to DPW on 09/29/2021 for final approval.</p> <p>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.</p> <p>On 10/27/2021, a request was sent to Accounting to process a check to Treasurer of Guam for \$525.00.</p> <p>The separate permit fee assessed by DPW in the amount of \$1,955.25 has been waived.</p> <p>HEP and Building permits were released on 11/4/2021 and copy sent to Operations. Operations plans to start excavation by mid-January 2022.</p> <p>GIS/Survey went to Balaku project site (12/28/2021) to establish the R-O-W boundary and lot corners.</p> <p>Project schedule will be adjusted to estimate the completion date.</p> <p>About 90% of off-island materials arrived on island.</p>	Completion Date: December 31, 2021
	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

CONSTRUCTION WW 09-06	Bayside SPS Improvements Design (EMPSCO)	Start Date:
70% Construction Services	<p>Activities/Notes: Mechanical piping layout at the basement and ground floor installed, pressure pipe testing completed.</p> <p>Installation of submersible pump at wet well completed, but not the installation of transducers stilling well.</p> <p>Continuous review of submittal, shop drawings, and RFIs.</p> <p>CO no. 2 executed; Completion date adjusted to 03/24/2022.</p> <p>Potential CO no. 3 to include adjustment of exhaust vents, railing, additional eye bolts, time.</p> <p>Billing no. 4 with Finance; Contractor to use EJCDC format for Billing no. 5.</p> <p>Finishing up fencing around site and waiting on materials placed on order with execution of CO no. 2.</p> <p>Commissioning of generator to take place on 01/04/2022.</p> <p>Advised Contractor to start preparing O&M, close out documents.</p>	<p>Completion Date: March 24, 2022</p>
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: No site work performed in the first couple of weeks in December due to contractor material procurement issues. Contractor continues to procure/submit materials/submittals, shop drawings, RFIs, substitution requests for approval. Power pedestal work commences/ongoing. Contractor finalizes preparatory work for interior coating.	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: GWA paid the first invoice to CM.	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.
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G. Permits SectionPERMITS
MONTHLY REPORT 2021

	2021												
Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Building Permit	26	24	24	19	42	38	15	35	41	57	25	15	369
Occupancy Permit	11	11	11	18	8	3	9	14	2	3	4	4	98
New Installation	19	30	31	29	5	9	18	18	18	24	18	20	239
Sewer Application	0	4	4	6	0	1	2	0	0	3	2	3	25
Sewer Inspection	0	0	1	1	0	0	0	1	1	1	0	0	5
Private Utility Acceptance	0	1	1	0	0	1	0	0	0	1	0	0	4
Relocation of Water Meter	2	1	2	0	0	0	0	1	0	2	0	1	9
Tapping-Water	1	1	1	2	1	1	0	1	0	3	1	1	13
Tapping-Sewer	1	0	1	1	0	0	0	0	0	0	0	0	3
Clearance-Water	25	50	51	45	22	50	12	25	27	13	39	22	406
Clearance-Sewer	1	0	0	1	0	0	0	0	0	0	0	0	2
Highway Encroachment	9	13	13	19	5	23	8	4	5	40	5	18	162
Verification of Utilities	14	12	12	19	13	11	9	19	21	12	14	14	170
Fire Flow Test	1	0	2	0	0	0	0	1	0	0	0	1	5
Schedule Water Outage	0	0	0	0	0	0	0	0	0	0	0	0	0

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

**AVERAGE PROCESSING TIME FOR COMPLETION (DAYS)
FOR THE CALENDAR MONTH OF **DECEMBER** 2021**

Description	2021											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit	35	25	25	16	14	17	37 ^{a1}	26	16	27	26	18
Occupancy Permit	0	0	0	0	0	0	0	0	0	0	0	0
New Installation	56	24	23	33	96	24	24	43	30	21	36	24
Sewer Application	0	0	0	0	0	0	0	0	0	0	0	0
Sewer Inspection	0	0	7	0	0	0	0	0	0	2	0	0
Private Utility Acceptance	0	10	7	0	0	30	0	0	0	28	0	0
Relocation of Water Meter	259	81	57	0	0	0	0	0	0	37	0	224
Tapping-Water	93	35	35	20	280	22	0	63	0	13	17	7
Tapping-Sewer	0	0	123	7	0	0	0	0	0	0	0	0
Clearance-Water	4	3	3	43	6	3	18	8	6	4	17	11
Clearance-Sewer	7	0	0	7	0	0	0	0	0	0	0	0
Highway Encroachment	0	0	0	0	0	0	0	0	0	1	0	11
Verification of Utilities	16	43	43	18	14	14	20 ^{a2}	20	26 ^{a1}	22 ^{a1}	13	22
Fire Flow Test	16	0	3	0	0	0	0	12	0	0	0	0
Schedule Water Outage	0	0	0	0	0	0	0	0	0	0	0	0

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


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.

GWA Work Session - January 18, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/06/2022
3	Asan-Adelup-Hagatna Route 1 Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	2	12/11/2015	3/30/2017 for Design requirements	\$ 1,780,210.00	HDR	HDR assisting as needed. 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 taking one last look at it for recommendation to GWA.
			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. RFI regarding installation of Line C or lining the existing main currently under review. Field inspection performed. Requested price to re-channel MH355 and clean and line existing main from Rte. 6 to evaluate proposal in lieu of new Line C. CCTV of existing main performed and there are no point repairs needed but the pipe needs CIPP and is a good alternative. Pending final price, GWA will decide which option is preferred. Initially, CIPP option is less expensive than Line C construction. Price from contractor received and being evaluated. New field information gathered by GWA on existing sewer lines may alter the direction relative to this matter. GWA decided to eliminate Line C and NOT CIPP the existing lines in lieu of Line C. A resultant CO is being prepared. CO nos. 5 to 10 sent to CTHD for signature on 12/7/2021.
			CM	2	8/3/2017	3/8/2020	\$ 870,610.41	DCA	Working with Contractor on schedule, submittals, responding to RFIs, and assisting in the negotiations of PCO costs. Fee proposal for CM services for Phase 2 submitted and accepted by GWA. CO to add CM for Phase 2 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.

GWA Work Session - January 18, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/06/2022
7	Groundwater Wells Rehabilitation (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	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.

GWA Work Session - January 18, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/06/2022
14	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Talofofo)	Brown & Caldwell	Design				The design was previously completed under bond funding.		
			Construction	8	8/2/2016	February 2022	\$ 1,189,815.00	ProPacifc	<p>Santa Rita</p> <ul style="list-style-type: none"> • Archaeology – Archaeologist present during backfilling and excavation. No artifacts have been discovered so far. Soil profiling of new trench completed. • Task order amendments - Survey subcontract and budget increase included in September CCU meeting (09/28/2021). - PPBC construction contract extension to February 2022. Seeking \$53k in standby time due to archaeological delay. - BC contract extension and increase to cover archaeological monitoring per contract. • Concrete structures poured 12/30/2021. Finishing concrete surfaces this week. Fence installation and controls to follow.
			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	<p>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.</p> <p>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.</p> <p>Amendment 3 to TO4 is executed to extend completion date to 9/30/2021.</p> <p>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.</p> <p>Amendment 4 to TO 4 approved by Mr. Budasi on 12/15/2021. Approved Amendment sent to John Riegel.</p>

GWA Work Session - January 18, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/06/2022
15	Tamuning Sewer Hot Spots	G. Gattoc	Design	10	9/9/2016	10/31/2017 (for design only)	\$ 663,629.00	TG Engineers	TGE to provide engineering support services during bid process and construction.
			Construction	9	1/30/2020	12/31/2020	\$ 1,093,955.87	Ian Corporation	<ul style="list-style-type: none"> Contractor continues work at Site no. 2. Flowable fill placed for seg. btw. MH-563 & MH-10679C and backfilled with topsoil (landscape area); MH-10679C frame and collar work completed and temporarily backfilled with basecourse prior to pavement restoration. Flowable fill placed for seg. btw. MH-10679C and MH-10679B temp. backfilled with basecourse prior to pavement restoration. MH-10679A installation work ongoing; Pipe installation work ongoing for seg. btw. MH-10679A and MH-10679B; Pipe installation work ongoing for seg. btw. MH-10679A and MH-10679; 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)	G. Gattoc	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	11/30/2017	\$ 493,818.86	EMPSCO	<ul style="list-style-type: none"> Latest letter from GWA extends project completion date to 08/31/2020. Giant currently working on an updated time extension letter. Giant conducting tests of current proposed auto-dialer model. GWA will issue Substantial Completion after successful installation and testing of auto-dialers. No new invoices received.
			Construction	10	12/27/2018	5/29/2020	\$ 2,411,418.00	Giant Const.	<ul style="list-style-type: none"> 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. 88.64% Completion
			CM		12/1/2018	12/31/2019			GWA Engineering will manage construction management tasks.

GWA Work Session - January 18, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/06/2022
18	#18 Pressure Zone Realignment Construction-Phase I (Water Hydraulic Model Barrigada Service Area)	Barbara Cruz J. Mendiola/G. Yeoh	Design	12	8/3/2016	3/15/2017	\$ 523,268.00	GHD	Design complete.
			Construction (Phase I)	12	8/3/2016	6/30/2020	\$ 5,228,471.82	Sumitomo	<ul style="list-style-type: none"> • 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			6/27/2023	\$ 594,735.28	GHD	<ul style="list-style-type: none"> • Bi-weekly meetings in progress. • EA Permitting (Federal & Local): Ongoing. • Surveys: Surveys completed in Trankilo Street, working on resolution of boundaries on Lagoon Dive. • Archeological Monitoring Plan status: SHPO has provided comments for the draft plan submitted by SEARCH. • Geo Engineering: The Permit is with GEPA, Parks and Rec, and Agriculture. • The Coastal Zone Consistency Determination: In progress with anticipated submittal to the Guam Bureau of Statistics and Plans (GBSP). • Some residents of Lagoon drive hesitate to have a lift station but GWA provide heads up of the type of lift station constructed in that area. • Received 30% Design submittal - reviewed by GWA. • Received Preliminary 60% design on 12/03/2021. • 50% Completion (on schedule)

GWA Work Session - January 18, 2022 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 01/06/2022
25	Hagatna Sewer Pump Station Force Main	G. Gattoc	Design				\$603,951.14	GHD	<ul style="list-style-type: none"> • Scott Wenger and Nancy Heuman relocating to Massachusetts; Jecilia Llegado to assume PM role. • GHD working on survey base map. • GHD working on technical memo summarizing historical flow data as well as providing design flow data for forcemain. • GWA Operations provided pressure on discharge side of pumps at Hagatna Main SPS; (9 psi) • GHD/GWA has narrowed to two(2) FM alignment alternatives, GHD to provide cost est. and feasibility analysis to move forward to 30% design. • GHD continues work on environmental/permitting analysis; permit requirements to be established at 30% design. • Progress meeting held last 12/17/2021. • Next progress meeting scheduled TBD.
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									



Financial Statement Overview

December 2021

There were 408 COVID-19 positive tests and 7 COVID-related fatalities reported during the month of December. For the month of December 2021, the average daily positive test rate was 14 compared to the 34 daily average in November.

On December 31, 2021, the island's COVID Area Risk (CAR) score was 3.1 as compared to .7 on November 30, 2021. Testing continued to be available to the public at no charge at various locations throughout the island. Executive Order 2021-32 extended the public health emergency to January 30, 2022.

By the end of December 2021, 129,550 residents were fully vaccinated, 4,196 in the month of December. There were 13,231 persons who received a booster in December bringing the total of persons receiving boosters to 39,593. GovGuam, pharmacies and clinics made available free COVID 19 vaccines and boosters in a variety of locations including the UOG Fieldhouse

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. Below is a summary of payments made exceeding the limit 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 2021	49	\$214,355	\$4,310	2.01%
November 2021	59	\$227,229	\$4,569	2.01%
December 2021	52	\$207,686	\$4,176	2.01%

Since the suspension of disconnections for nonpayment was lifted, the Upper Tumon office has been open for payments on Saturdays. For the Saturdays in December, 152 payments totaling \$35,434 were made towards GWA billings and 252 payments totaling \$52,503 were made for GPA. Note that the office was closed on Christmas, December 25.



For the month of December, Finance posted \$46,676 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. Once funding becomes available, DOA will also administer the homeowner assistance program which also includes assistance for utilities.

Guam Solid Waste

Software to enable GPWA to receive GSW payments is currently in testing and should be thoroughly vetted by the end of January.

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.

An amended scheduling order was issued by the Administrative Law Judge (ALJ) on August 19, 2021, setting a deadline for a third set of Requests for Information on September 3, 2021, and GWA's response by September 10, 2021. While settlement discussions were scheduled for September 27-October 1, 2021, they were not fruitful.

PUC public hearings were held November 3, 4 and 5, 2021 and evidentiary hearings 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 along with 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 is due January 15, 2021. No other deadlines were set.

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. CCU Resolution 06-FY2022 is being proposed so that transfers from the RSF can be made, if necessary, before the PUC rate order is issued.

FY21 Audit

The FY21 audit is proceeding according to plan, with field work set to be complete by January 24. However, audited reports from the Department of Administration to determine GWAs share of benefits provided to retirees (Other Post-Employment Benefits) and the Retirement Fund to determine GWAs share of the unfunded liability are needed before the GWA audit can be finalized.



FY22 & FY23 Budget

A request to modify the budget will be made once the PUC order on rates for FY22 has been issued. Weekly reports are issued to the business unit managers to help them track and plan their expenditures based on the available budget.

The budget call for FY23 should be issued shortly.

We continue 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.

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 RFP for insurance services.

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.

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.

Water and Wastewater Consumption

Water consumption is up 10% and wastewater flows are up 20% for the month of December compared to prior year as demand in Commercial Classes continue to improve. With regard to water consumption, most customer classes showed increases except for Hotels and Irrigation. All customer classes showed increases in wastewater flows comparing December 2021 to December 2020.

Year to Date (YTD) water demand is up by 3% while wastewater flows are up by 7% compared to last year. Increases in water demand in the commercial and government customer classes offset decreases in the residential and hotel customer classes. Note that the number of YTD billing days for December 2021 was 91 versus 89 for December 2020, See Schedule K for Water Demand for FY2015 to FY2022.

YTD average daily water consumption for the December 2021 of 14,537 kgals was about the same as December 2020's 14,488 kgals. In December 2021 as compared to December 2020, 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 \$1.201B in September 2021 increased by \$3.1M or less than 1% in December 2021 to \$1.204B. Current Assets decreased by \$9M primarily due to decreases in federal receivables. Property, Plant and Equipment increased by \$9.6M due to increases in construction work in progress offset by increases in accumulated depreciation. Other Noncurrent Assets increased by \$2.9M due to increases in investments offset by decreases in restricted cash. Days Cash



on Hand was calculated at 249 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

- Liabilities & Deferred Inflow of Resources of \$883.2M in September 2021 increased by \$582K or less than 1% to \$883.8M in December 2021 as reductions in contractors' payable were offset by increases in interest payable.
- Accounts Receivable days in December were 44 days, one day more than November 2021's 43 days. Accounts Payable days were 33 days in December, 2 days more than November, 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 December 2021 of \$8.78M were 7% or \$696K less than budget of \$9.5M. December 2021 Total Operating Revenues were 15% or \$1.2M more than December 2020's \$7.6M as schools and businesses open due to the relaxation of public health emergency restrictions.
- Total Year to Date Operating Revenues as of December 2021 of \$25.5M were 10% or \$2.9M less than the budget of \$28.4M. Total Year to Date Operating Revenues as of December 2021 were 6% or \$1.5M more than Year to Date Operating Revenues as of December 2020's \$24M.
- 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 December as well as the revenue totals:

Customer Class	FY2022		FY2021	
o Residential	\$12,126,443	47.85%	\$12,129,792	51.00%
o Commercial	\$5,472,861	21.60%	\$4,870,691	20.48%
o Hotel	\$2,909,470	11.48%	\$2,942,304	12.37%
o Government of Guam	\$2,855,959	11.27%	\$2,305,753	9.70%
o Federal Government	\$1,859,925	7.34%	\$1,422,840	5.98%
o Agriculture, Golf Course, Irrigation	\$117,983	0.47%	\$111,243	0.47%
TOTALS	\$25,342,641	100.00%	\$23,782,623	100.00%

- Total Operating Expenses for December 2021 of \$7.6M were \$164K or 2% more than budget of \$7.5M. December 2021 Total Operating Expenses were 18% or \$1.1M more than December 2020's \$6.5M. The largest increases month over month were in utilities and depreciation.
- Total Year to Date Operating Expenses as of December 2021 of \$22.1M were \$314K or 1% less than budget of \$22.4M. Total Year to Date Operating Expenses as of December 2021 were 10% or \$2.1M more than December 2020 YTD's \$20M. As noted above, the largest increases year over year were in utilities and depreciation.
- Earnings from Operations for December 2021 of \$1.14M were 43% or \$860K less than the budget of \$2M and 2% or \$22.5K more than December 2020's \$1.12M. Change in Net Assets for December 2021 of -\$1.4K was 100% or \$2.8M less than the \$2.8M budget and \$666.6K or 100% less than December 2020's \$666.6K.



- Year to Date Earnings from Operations as of December 2021 of \$3.4M were 43% or \$2.6M less than the budget of \$6M and 15% or \$584K less than December 2020 YTD's \$4M. Year to Date Change in Net Assets as of December 2021 of \$2.5M was 70% or \$5.9M less than the \$8.4M budget and \$532.1K or 17% less than December 2020 YTD's \$3M.

Key Financial Indicators

Indicator	Target	Nov-21	Dec-21
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.26	1.25
• Per PUC / CCU	1.40	1.40	1.25
Days – Cash on Hand	120 days	237 days	249 days
Collection Ratio			
• Month to Date	99%	87%	94%
• Year to Date	99%	89%	91%
Days Billed	30 days	31 days	30 days
Account Receivable Days	30 days	43 days	44 days
Account Payable Days	45 days	31 days	33 days
Employee Count	400 FTE	365 FTE	366 FTE
Water Demand			
• Month to Date	478,754	442,090	444,509
• Year to Date	1,436,263	878,392	1,322,901
Wastewater Flow			
• Month to Date	356,472	334,322	339,032
• Year to Date	1,069,417	643,613	982,645
Water Customers	42,839	43,054	43,185
Wastewater Customers	29,805	29,830	30,482

**GUAM WATERWORKS AUTHORITY
December 31, 2021
FINANCIAL AND RELATED REPORTS
TABLE OF CONTENTS**

	SCHEDULES	PAGE
BALANCE SHEET	A	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	B	3
INCOME STATEMENT MTD ACTUALS FY22 VS FY21	C	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY22 VS FY21	E	6
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	F	7
SCHEDULE OF CASH RESTRICTED/UNRESTRICTED	G	8
AGING REPORT - GOVERNMENT RECEIVABLES	H	9
AGING REPORT - RECEIVABLES BY RATE CLASS	I	10
AGING REPORT - ACCOUNTS PAYABLE	J	11
WATER DEMAND BY RATE CLASS FY2015 - FY2022	K	12

GUAM WATERWORKS AUTHORITY
Balance Sheet
December 31, 2021

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited December 31, 2021	Unaudited September 30, 2021	Increase (Decrease)
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule G)	34,377,918	35,044,630	(666,712)
Restricted Funds (Schedule G)	41,233,039	42,426,211	(1,193,172)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$9,122,247 at Dec 31, 2021 and \$8,747,124 at Sept 30, 2021	12,588,161	11,392,368	1,195,793
Federal Receivable	1,860,985	11,436,000	(9,575,015)
Other Receivable	1,107,233	1,002,328	104,904
Prepaid Expenses	1,903,452	849,867	1,053,585
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Dec 31, 2021 and \$64,131 at Sept 30, 2021	4,348,397	4,284,336	64,060
Total Current Assets	97,419,185	106,435,741	(9,016,556)
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	415,456,712	415,123,284	333,427
Wastewater system	513,741,066	513,741,066	-
Non-utility property	33,152,332	33,051,603	100,729
Total property	962,350,109	961,915,953	434,156
Less: Accumulated Depreciation	(374,435,047)	(367,521,639)	(6,913,408)
Land	5,287,305	5,240,187	47,117
Construction Work in Progress	183,631,608	167,589,130	16,042,478
Property, Plant and Equipment, net	776,833,975	767,223,632	9,610,344
<u>Noncurrent assets</u>			
Restricted cash (Schedule G)	188,237,368	193,458,224	(5,220,856)
Investments (Schedule G)	75,764,851	67,678,709	8,086,142
Total other noncurrent assets and deferred charges	264,002,219	261,136,933	2,865,286
Total Assets	1,138,255,380	1,134,796,306	3,459,074
<u>Deferred outflows of resources</u>			
Regulatory assets	2,074,586	1,922,989	151,597
Debt defeasance due to bond refunding	30,772,441	31,286,637	(514,196)
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	1,204,022,489	1,200,926,014	3,096,475
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,990,000	-
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	3,680,546	2,652,457	1,028,089
Accrued and Other Liabilities	1,436,115	2,011,179	(575,064)
Interest Payable	14,696,451	7,324,101	7,372,351
Accrued Payroll and Employee Benefits	1,495,105	918,403	576,701
Current portion of employee annual leave	660,125	660,125	-
Contractors' Payable	18,376,048	25,847,832	(7,471,784)
Customer and Other Deposits	2,315,451	2,237,010	78,441
Total Current Liabilities	52,404,841	51,396,108	1,008,734
<u>Long Term Debt, less current maturities</u>			
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	40,185,288	40,654,335	(469,047)
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	857,461,158	856,921,471	539,687
<u>Deferred inflows of resources:</u>			
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	883,774,137	883,192,520	581,617
Net Assets	320,248,352	317,733,494	2,514,858
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,204,022,489	1,200,926,014	3,096,475

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending December 31, 2021

SCHEDULE B

	Actual (Unaudited) December-21	Month to Date Budget* December-21	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,427,655	5,863,373	(435,718)
Wastewater Revenues	3,001,316	3,226,426	(225,109)
Legislative Surcharge	259,568	274,214	(14,646)
Other Revenues	31,235	35,895	(4,660)
System Development Charge	62,062	77,442	(15,380)
Total Operating Revenues	8,781,836	9,477,350	(695,514)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	699,127	598,196	(100,931)
Power Purchases	1,367,694	1,182,787	(184,906)
Total Utility Costs	2,066,821	1,780,983	(285,838)
Salaries and Wages	1,671,000	1,680,210	9,209
Pension and Benefits	645,314	696,002	50,689
Total Salaries and Benefits	2,316,314	2,376,212	59,898
Capitalized Labor and Benefits	(294,417)	(308,333)	(13,916)
Net Salaries and Benefits	2,021,897	2,067,879	45,982
Administrative and General Expenses			
Sludge removal	63,182	133,115	69,933
Chemicals	163,698	154,858	(8,840)
Materials & Supplies	124,664	164,619	39,955
Transportation	32,318	55,926	23,608
Communications	7,366	27,135	19,769
Claims	5,731	14,331	8,599
Insurance	79,937	82,972	3,035
Training & Travel	1,058	23,501	22,444
Advertising	2,639	11,548	8,909
Miscellaneous	85,260	115,433	30,173
Regulatory Expense	7,570	30,183	22,613
Bad Debts Provision	173,797	139,113	(34,684)
Total Administrative and General Expense	747,221	952,736	205,515
Depreciation Expense	2,357,852	1,855,919	(501,933)
Contractual Expense			
Audit & Computer Maintenance	37,370	127,009	89,638
Building rental	41,479	41,412	(68)
Equipment rental	10,550	53,153	42,603
Legal	-	-	-
Laboratory	19,162	65,363	46,201
Other	89,530	243,320	153,790
Total Contractual Expense	198,092	530,256	332,164
Retiree Supp. Annuities and health care costs	193,770	233,386	39,616
Contribution to Government of Guam	51,833	52,000	167
Total Retiree Benefits	245,603	285,386	39,782
Total Operating Expenses	7,637,486	7,473,159	(164,327)
Earnings (Loss) from Operations	1,144,350	2,004,191	(859,841)
Interest Income - 2010/13/14/16/17/20 Series Bond	4,403	128,299	(123,896)
Interest Income - Other Funds	1,002	29,550	(28,548)
Interest Income - SDC	674	2,488	(1,814)
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	-	-	-
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	-	-	-
Total non-operating revenues (expenses)	(2,466,420)	(2,523,508)	57,088
Net Income (Loss) before capital contributions	(1,322,070)	(519,317)	(802,753)
Capital Contributions			
Grants from US Government	1,320,737	3,311,071	(1,990,335)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	1,320,737	3,311,071	(1,990,335)
Change in Net Assets	(1,334)	2,791,754	(2,793,088)
Debt Service Calculation			
Earnings From Operations	1,144,350	2,004,191	
System Development Charge	(62,062)	(77,442)	
Retiree COLA	51,833	52,000	
Interest/Investment Income	1,002	29,550	
Depreciation	2,357,852	1,855,919	
Balance Available for Debt Service per Section 6.12	3,492,976	3,864,219	
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)	1.25	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.25	1.40	

*Interim budget

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending December 31, 2021 and 2020

SCHEDULE C

	Month to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	December-21	December-20	(Decrease)
OPERATING REVENUES			
Water Revenues	5,427,655	4,935,503	492,151
Wastewater Revenues	3,001,316	2,397,302	604,015
Legislative Surcharge	259,568	216,762	42,806
Other Revenues	31,235	28,686	2,549
System Development Charge	62,062	40,616	21,445
Total Operating Revenues	8,781,836	7,618,869	1,162,966
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	699,127	224,352	474,775
Power Purchases	1,367,694	1,002,553	365,141
Total Utility Costs	2,066,821	1,226,904	839,916
Salaries and Wages	1,671,000	1,702,655	(31,655)
Pension and Benefits	645,314	646,032	(718)
Total Salaries and Benefits	2,316,314	2,348,687	(32,373)
Capitalized Labor and Benefits	(294,417)	(333,024)	38,607
Net Salaries and Benefits	2,021,897	2,015,663	6,235
Administrative and General Expenses			
Sludge removal	63,182	135,456	(72,273)
Chemicals	163,698	86,686	77,011
Materials & Supplies	124,664	44,275	80,389
Transportation	32,318	22,886	9,432
Communications	7,366	12,839	(5,472)
Claims	5,731	-	5,731
Insurance	79,937	78,330	1,607
Training & Travel	1,058	-	1,058
Advertising	2,639	2,160	479
Miscellaneous	85,260	82,175	3,085
Regulatory Expense	7,570	8,958	(1,388)
Bad Debts Provision	173,797	150,991	22,806
Total Administrative and General Expense	747,221	624,757	122,464
Depreciation Expense	2,357,852	2,135,984	221,869
Contractual Expense			
Audit & Computer Maintenance	37,370	24,120	13,250
Building rental	41,479	37,471	4,008
Equipment rental	10,550	23,834	(13,284)
Legal	-	-	-
Laboratory	19,162	20,707	(1,545)
Other	89,530	135,925	(46,394)
Total Contractual Expense	198,092	242,057	(43,965)
Retiree Supp. Annuities and health care costs	193,770	201,273	(7,503)
Contribution to Government of Guam	51,833	50,333	1,500
Total Retiree Benefits	245,603	251,606	(6,003)
Total Operating Expenses	7,637,486	6,496,971	1,140,515
Earnings (Loss) from Operations	1,144,350	1,121,899	22,451
Interest Income - 2010/13/14/16/17/20 Series Bond	4,403	2,189	2,214
Interest Income - Other Funds	1,002	681	322
Interest Income - SDC	674	(1,169)	1,843
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,457,450)	(2,559,639)	102,189
Contributions from Federal Government	-	-	-
Federal Expenditures	-	(72,016)	72,016
Loss on Asset Disposal	-	-	-
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	-	(45,042)	45,042
Total non-operating revenues (expenses)	(2,466,420)	(2,690,744)	224,324
Net Income (Loss) before capital contributions	(1,322,070)	(1,568,846)	246,775
Capital Contributions			
Grants from US Government	1,320,737	2,044,107	(723,370)
Grants from GovGuam & Others	-	190,048	(190,048)
Total Capital Contributions	1,320,737	2,234,154	(913,417)
Change in Net Assets	(1,334)	665,309	(666,642)
Debt Service Calculation			
Earnings From Operations	1,144,350	1,121,899	
System Development Charge	(62,062)	(40,616)	
Retiree COLA	51,833	50,333	
Interest/Investment Income	1,002	681	
Depreciation	2,357,852	2,135,984	
Balance Available for Debt Service per Section 6.12	3,492,976	3,268,280	
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)	1.25	1.25	
Debt Service Coverage (1.40X) (PUC)	1.25	1.25	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending December 31, 2021

SCHEDULE D

	Year to Date Actual (Unaudited) December-21	Budget* December-21	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	16,123,249	17,590,120	(1,466,871)
Wastewater Revenues	8,465,491	9,679,277	(1,213,786)
Legislative Surcharge	753,901	822,643	(68,742)
Other Revenues	98,406	107,684	(9,278)
System Development Charge	92,461	232,326	(139,865)
Total Operating Revenues	25,533,508	28,432,049	(2,898,541)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,758,261	1,794,588	36,327
Power Purchases	3,926,570	3,548,361	(378,209)
Total Utility Costs	5,684,831	5,342,949	(341,882)
Salaries and Wages	4,722,990	5,040,628	317,638
Pension and Benefits	1,840,960	2,088,008	247,048
Total Salaries and Benefits	6,563,950	7,128,636	564,686
Capitalized Labor and Benefits	(860,918)	(925,000)	(64,082)
Net Salaries and Benefits	5,703,032	6,203,636	500,604
Administrative and General Expenses			
Sludge removal	182,341	399,346	217,005
Chemicals	405,747	464,573	58,826
Materials & Supplies	295,016	493,858	198,841
Transportation	135,794	167,779	31,985
Communications	48,368	81,405	33,037
Claims	30,579	42,992	12,413
Insurance	239,811	248,917	9,106
Training & Travel	12,182	70,504	58,322
Advertising	6,928	34,645	27,717
Miscellaneous	321,157	338,944	17,787
Regulatory Expense	70,368	90,550	20,182
Bad Debts Provision	506,853	417,340	(89,513)
Total Administrative and General Expense	2,255,144	2,850,853	595,709
Depreciation Expense	6,912,990	5,567,758	(1,345,232)
Contractual Expense			
Audit & Computer Maintenance	213,070	379,443	166,373
Building rental	124,438	124,235	(203)
Equipment rental	86,737	159,459	72,721
Legal	-	-	-
Laboratory	68,259	189,846	121,587
Other	300,794	729,960	429,166
Total Contractual Expense	793,299	1,582,943	789,644
Retiree Supp. Annuities and health care costs	587,724	700,157	112,433
Contribution to Government of Guam	155,500	157,985	2,485
Total Retiree Benefits	743,224	858,142	114,919
Total Operating Expenses	22,092,518	22,406,281	313,762
Earnings (Loss) from Operations	3,440,990	6,025,769	(2,584,779)
Interest Income - 2010/13/14/16/17/20 Series Bond	10,066	384,898	(374,832)
Interest Income - Other Funds	2,776	88,651	(85,875)
Interest Income - SDC	1,115	7,463	(6,348)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(7,372,351)	(7,914,988)	542,637
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	469,047	(69,233)	538,280
Defeasance due to bond refunding	(514,196)	(67,316)	(446,880)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	417,851	-	417,851
Total non-operating revenues (expenses)	(6,985,691)	(7,570,524)	584,833
Net Income (Loss) before capital contributions	(3,544,701)	(1,544,755)	(1,999,946)
Capital Contributions			
Grants from US Government	6,059,559	9,933,214	(3,873,655)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	6,059,559	9,933,214	(3,873,655)
Change in Net Assets	2,514,858	8,388,459	(5,873,601)
Debt Service Calculation			
Earnings From Operations	3,440,990	6,025,769	
System Development Charge	(92,461)	(232,326)	
Retiree COLA	155,500	157,985	
Interest/Investment Income	2,776	88,651	
Depreciation	6,912,990	5,567,758	
Balance Available for Debt Service per Section 6.12	10,419,795	11,607,837	
Working Capital Reserve Available for Debt Service	-	-	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	10,419,795	11,607,837	
Debt Service			
Principal	2,436,250	2,317,500	
Interest	5,928,267	5,989,988	
Total	8,364,517	8,307,488	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.25	1.40	

*Interim budget

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending December 31, 2021 and 2020

SCHEDULE E

	Year to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	December-21	December-20	(Decrease)
OPERATING REVENUES			
Water Revenues	16,123,249	15,567,456	555,793
Wastewater Revenues	8,465,491	7,520,673	944,818
Legislative Surcharge	753,901	694,483	59,418
Other Revenues	98,406	89,094	9,312
System Development Charge	92,461	159,317	(66,856)
Total Operating Revenues	25,533,508	24,031,023	1,502,485
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,758,261	1,092,000	666,261
Power Purchases	3,926,570	2,983,951	942,620
Total Utility Costs	5,684,831	4,075,950	1,608,880
Salaries and Wages	4,722,990	4,809,911	(86,920)
Pension and Benefits	1,840,960	1,820,940	20,019
Total Salaries and Benefits	6,563,950	6,630,851	(66,901)
Capitalized Labor and Benefits	(860,918)	(916,163)	55,245
Net Salaries and Benefits	5,703,032	5,714,688	(11,656)
Administrative and General Expenses			
Sludge removal	182,341	366,285	(183,943)
Chemicals	405,747	435,704	(29,957)
Materials & Supplies	295,016	253,057	41,959
Transportation	135,794	113,048	22,746
Communications	48,368	39,730	8,638
Claims	30,579	-	30,579
Insurance	239,811	234,991	4,820
Training & Travel	12,182	7,757	4,426
Advertising	6,928	11,427	(4,500)
Miscellaneous	321,157	249,489	71,668
Regulatory Expense	70,368	34,830	35,538
Bad Debts Provision	506,853	475,666	31,187
Total Administrative and General Expense	2,255,144	2,221,983	33,161
Depreciation Expense	6,912,990	6,371,591	541,399
Contractual Expense			
Audit & Computer Maintenance	213,070	282,757	(69,687)
Building rental	124,438	112,414	12,024
Equipment rental	86,737	73,368	13,369
Legal	-	-	-
Laboratory	68,259	32,577	35,682
Other	300,794	355,970	(55,176)
Total Contractual Expense	793,299	857,086	(63,788)
Retiree Supp. Annuities and health care costs	587,724	613,533	(25,809)
Contribution to Government of Guam	155,500	151,000	4,500
Total Retiree Benefits	743,224	764,533	(21,309)
Total Operating Expenses	22,092,518	20,005,831	2,086,688
Earnings (Loss) from Operations	3,440,990	4,025,192	(584,202)
Interest Income - 2010/13/14/16/17/20 Series Bond	10,066	6,667	3,400
Interest Income - Other Funds	2,776	1,895	881
Interest Income - SDC	1,115	9,197	(8,082)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(7,372,351)	(7,678,918)	306,567
Interest Expense - ST BOG	-	-	-
Contributions from Federal Government	-	-	-
Federal Expenditures	-	(127,812)	127,812
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	469,047	467,297	1,750
Defeasance due to bond refunding	(514,196)	(516,291)	2,096
Deferred outflows from pension	-	-	-
Prior Year Adjustment	417,851	(50,572)	468,423
Total non-operating revenues (expenses)	(6,985,691)	(7,888,538)	902,847
Net Income (Loss) before capital contributions	(3,544,701)	(3,863,346)	318,645
Capital Contributions			
Grants from US Government	6,059,559	6,713,187	(653,627)
Grants from GovGuam & Others	-	197,153	(197,153)
Total Capital Contributions	6,059,559	6,910,340	(850,780)
Change in Net Assets	2,514,858	3,046,994	(532,136)
Debt Service Calculation			
Earnings From Operations	3,440,990	4,025,192	
System Development Charge	(92,461)	(159,317)	
Retiree COLA	155,500	151,000	
Interest/Investment Income	2,776	1,895	
Depreciation	6,912,990	6,371,591	
Balance Available for Debt Service per Section 6.12	10,419,795	10,390,361	
Debt Service			
Principal	2,436,250	2,317,500	
Interest	5,928,267	5,541,754	
Total	8,364,517	7,859,254	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.32	
Debt Service Coverage (1.40X) (PUC)	1.25	1.32	

Guam Waterworks Authority
System Development Charges Project Status
As of December 31, 2021

SCHEDULE F

Funding Summary

Total available project funds	\$ 14,896,851
Total project expenditures and encumbrances	10,592,769
Total unobligated project funds	\$ 4,304,081

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 Enhancements - 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 December 31, 2021	Unaudited September 30, 2021	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	4,430	4,430	-
BOG Deposit Accounts	11,395,785	11,783,670	(387,885)
BOG O & M Reserve	13,864,199	13,863,240	959
BOG CapEx Fund	9,111,504	9,391,290	(279,786)
Sub-total Unrestricted	34,377,918	35,044,630	(666,712)
RESTRICTED			
ANZ Bank	500	1,374	(874)
Bank Pacific	17,541	13,720	3,821
Bank of Hawaii	200,779	187,857	12,922
Community First FCU	3,362	2,897	465
First Hawaiian Bank	16,494	28,808	(12,314)
Bank Pacific Surcharge	98,075	346,165	(248,090)
Bank Pacific Escrow Deposit	909,764	905,936	3,828
BOG Customer Refunds	2,189,544	2,101,144	88,400
BOG Emergency Reserve Fund	6,246	6,245	-
BOG Sewer Hookup Revolving Fund	61,963	61,318	646
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	266,405	902,327	(635,922)
BOG Revenue Trust Fund	7,038,818	7,604,696	(565,878)
BOG Capital Improvement Revenue Fund	6,879,987	6,017,960	862,027
BOG Rate Stabilization Fund	11,400,000	11,400,000	-
	32,172,961	32,663,929	(490,968)
BOG - SDC Deposit	2,810,078	4,512,282	(1,702,204)
BOG - SDC CDs	6,250,000	5,250,000	1,000,000
Total SDC	9,060,078	9,762,282	(702,204)
Total Restricted	41,233,039	42,426,211	(1,193,172)
Reserve Funds			
BOG Series 2013 Construction Fund	4,528,887	4,566,711	(37,824)
BOG Series 2016 Construction Fund	52,472,206	56,620,524	(4,148,318)
BOG Series 2017 Refunding Construction Fund	4,356,885	4,368,640	(11,755)
BOG Series 2020A Construction Fund	121,294,616	-	121,294,616
BOG Series 2020A Capitalized Interest Fund	5,584,774	122,317,770	(116,732,996)
BOG Series 2020A Cost of Issuance Fund	-	5,584,579	(5,584,579)
Total Restricted - Held by Trustee	188,237,368	193,458,224	(5,220,856)
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	2,458,525	1,396,665	1,061,860
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	1,994,473	1,048,078	946,395
USB Series 2014 Refunding Debt Service Reserve Fund	7,737,470	7,736,844	626
USB Series 2016 Debt Service Fund	5,568,290	2,816,611	2,751,679
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,558	31,558	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	3,755,963	1,903,114	1,852,849
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	2,945,512	1,472,780	1,472,732
Total Investments	75,764,851	67,678,709	8,086,142
Total Restricted and Unrestricted Cash	339,613,177	338,607,774	1,005,402

Guam Waterworks Authority
Accounts Receivable - Government (Active)
December 31, 2021

SCHEDULE H

A G I N G								
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Autonomous Agencies (Active)								
Guam Int'l Airport Authority	7	\$ 15,930	\$ 15,572	\$ 15,175	\$ 13,742	\$ 236,826	\$	297,245
Guam Power Authority	25	198,841	-	-	-	-		198,841
Guam Memorial Hospital Authority	3	40,007	48,744	1,545	150	13,555		104,002
Guam Housing & Urban Renewal Authority	9	8,118	816	290	336	1,469		11,030
Port Authority of Guam	5	1,480	-	-	-	-		1,480
Guam Housing Corporation	1	30	-	-	-	-		30
Total Autonomous Agencies	50	\$ 264,406	\$ 65,131	\$ 17,011	\$ 14,229	\$ 251,851	\$	612,628
		43.16%	10.63%	2.78%	2.32%	41.11%		100.00%
Line Agencies								
Department of Education	52	\$ 368,155	\$ 379,172	\$ 355,187	\$ 330,028	\$ 141,224	\$	1,573,766
Department of Parks & Recreation	14	80,280	52,047	18,903	4,070	4,397		159,697
Mayors Council of Guam	61	13,785	16,927	10,104	3,382	82,644		126,843
Department of Corrections	9	78,619	271	-	-	-		78,891
Department of Public Works	11	18,044	10,260	1,763	150	6,937		37,155
Department of Chamorro Affairs	7	15,874	5,338	-	-	-		21,211
Guam Police Department	7	5,000	5,991	3,601	1,819	1,502		17,912
Department of Public Health & Social Services	8	4,128	3,849	4,104	104	175		12,360
Guam Fire Department	11	6,086	2,664	-	-	-		8,750
Department of Agriculture	6	4,034	3,251	-	-	-		7,285
Department of Military Affairs/GUARNG	1	7,238	-	-	-	-		7,238
Guam Veterans Affairs Office	2	844	1,019	903	816	1,362		4,945
Office of the Governor	2	3,412	-	-	-	-		3,412
New Guam Mental Health	1	1,781	1,546	-	-	-		3,327
University of Guam	48	3,275	-	-	-	-		3,275
Department of Youth Affairs	3	789	1,105	-	-	-		1,894
Guam Solid Waste Authority	3	823	698	-	-	-		1,522
Department of Customs & Quarantine	1	428	428	389	-	-		1,245
Guam Police Department	2	746	233	31	-	-		1,010
Office of Technology	1	121	106	134	116	494		971
Division of Senior Citizens, DPH&SS	2	370	183	191	145	-		890
Office of Civil Defense	2	312	318	-	-	-		630
Guam Energy Office	1	203	172	202	-	-		576
Guam Public Library	6	538	29	-	-	-		567
Merizo Mayor	1	45	262	82	66	99		555
Guam Environmental Protection Agency	2	218	263	-	-	-		481
Department of Mental Health and Substance	1	405	-	-	-	-		405
Department of Administration	5	174	217	-	-	-		392
Guam Visitors Bureau	2	363	-	-	-	-		363
Agat Mayor's Office	1	106	77	-	-	-		183
The Office of the Dededo Mayor	1	82	100	-	-	-		182
Department of Agriculture-Fisheries	1	97	-	-	-	-		97
Department of Mental Health	2	47	-	-	-	-		47
Total Line Agencies	277	\$ 616,423	\$ 486,527	\$ 395,595	\$ 340,697	\$ 238,836	\$	2,078,077
		29.66%	23.41%	19.04%	16.39%	11.49%		100.00%
Total as of December 31, 2021 (Active)	327	\$ 880,829	\$ 551,658	\$ 412,606	\$ 354,925	\$ 490,686	\$	2,690,705
		32.74%	20.50%	15.33%	13.19%	18.24%		100.00%

GWA Work Session - January 18, 2022 - GM REPORT

GUAM WATERWORKS AUTHORITY
Accounts Receivable Aging Summary by Rate Class
As of December 31, 2021

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	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		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 November 30, 2021

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 2,757,151	\$ 569,403	\$ 581,780	\$ 243,732	\$ 434,059	\$	4,586,125	22%
Agriculture	409	26,394	3,271	1,460	1,213	33,228		65,566	0%
Commercial I	2,628	1,265,299	105,533	50,254	28,944	432,889		1,882,917	9%
Commercial II	35	269,553	12,675	-	-	1,092		283,320	1%
Commercial III	301	686,962	107,016	76,510	16,242	287,358		1,174,088	6%
Golf Course	15	3,731	-	-	-	3,731		3,731	0%
Hotel	58	1,189,305	99,716	102,613	107,901	645,591		2,145,125	10%
Irrigation	33	2,943	386	292	253	1,295		5,170	0%
Residential	48,141	4,502,072	730,985	478,936	506,539	4,906,352		11,124,884	52%
	52,054	10,703,410	1,628,985	1,291,845	904,823	6,741,864		21,270,927	100%
		50%	8%	6%	4%	32%			

Less Allowance for Doubtful Accounts: (8,941,648)
Net Accounts Receivable: 12,329,279

Days Receivables Outstanding 43

ACTIVE ONLY

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	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	-	1,092		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		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	1,295		5,888	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

As of November 30, 2021

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 2,757,151	\$ 488,788	\$ 581,780	\$ 243,732	\$ 434,059	\$	4,505,510	27%
Agriculture	386	26,344	3,162	1,349	770	5,311		36,936	0%
Commercial I	2,464	1,264,749	102,815	43,208	25,951	259,028		1,695,751	10%
Commercial II	34	269,553	12,675	-	-	1,092		282,229	2%
Commercial III	287	686,310	106,365	76,510	16,242	233,240		1,118,667	7%
Golf Course	15	3,731	-	-	-	3,731		3,731	0%
Hotel	55	1,189,305	66,509	66,180	67,542	160,461		1,549,997	9%
Irrigation	32	2,943	386	292	253	1,295		5,170	0%
Residential	39,988	4,472,722	687,054	354,578	280,096	1,572,727		7,367,176	44%
	43,695	10,672,809	1,467,755	1,123,897	634,585	2,664,826		16,563,872	100%
		64%	9%	7%	4%	16%			

Less Allowance for Doubtful Accounts: (8,941,648)
Net Accounts Receivable: 7,622,224

GUAM WATERWORKS AUTHORITY
Accounts Payable Aging

SCHEDULE J

<u>As of</u>	<u>AGING</u>							<u>Days Payable Outstanding</u>	
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days	Total			
December 31, 2021	\$ 2,819,878 77%	\$ 446,216 12%	\$ 101,899 3%	\$ 57,424 2%	\$ 255,129 7%	\$ 3,680,546 100%			33
November 30, 2021	\$ 2,384,367 78%	\$ 174,125 6%	\$ 98,099 3%	\$ 42,291 1%	\$ 364,326 12%	\$ 3,063,209 100%			31
October 31, 2021	\$ 2,564,736 66%	\$ 624,755 16%	\$ 97,771 3%	\$ 210,191 5%	\$ 382,891 10%	\$ 3,880,345 100%			37

GUAM WATERWORKS AUTHORITY
WATER DEMAND BY RATE CLASS
FY2015 - FY2022

SCHEDULE K

CLASS	AUDITED						UNAUDITED		
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	FY2020 TOTAL CONSUMPTION (kGal)	FY2021 TOTAL CONSUMPTION (kGal)	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	3,565,947	-2%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	802,938	2%
F Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,965	-5%
G Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	451,951	12%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	391,864	-13%
G Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	2,440	-15%
A Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	57,385	-17%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	<u>8,654</u>	<u>5,404</u>	<u>3,277</u>	-39%
GRAND TOTAL	<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	<u>5,757,733</u>	<u>5,339,864</u>	<u>5,277,767</u>	-1%



Financial Statement Overview November 2021

There were 991 COVID-19 positive tests and 25 COVID-related fatalities reported during the month of November. For the month of November 2021, the average daily positive test rate was 34 compared to the 102 daily average in October.

On November 30, 2021, the island's COVID Area Risk (CAR) score was .7 as compared to 18.8 on October 31, 2021. Testing continued to be available to the public at no charge at various locations throughout the island. Executive Order 2021-30 extended the public health emergency to December 30, 2021.

By the end of November 2021, 125,354 residents were fully vaccinated, 1,488 residents vaccinated in the month of November. In November, the vaccine eligibility was expanded to include children 5 thru 11 years in age. On November 20, the CDC expanded boosters to all adults. Executive Order 2021-29 loosened restrictions on social gatherings. GovGuam, pharmacies and clinics made available free COVID 19 vaccines and boosters in a variety of locations including the UOG Fieldhouse

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. To date, approximately 49% of payments made in FY22 were made with credit cards. Below is a summary of payments made exceeding the limit 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 2021	49	\$214,355	\$4,310	2.01%
November 2021	59	\$227,229	\$4,569	2.01%

Since the suspension of disconnections for nonpayment was lifted, the Upper Tumon office has been open for payments on Saturdays. For the Saturdays in November, 203 payments totaling \$27,335 were made towards GWA billings and 285 payments totaling \$60,461 were made for GPA.



For the month of November, Finance posted \$132,595 of 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. Once funding becomes available, DOA will also administer the homeowner assistance program which also includes assistance for utilities.

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.

An amended scheduling order was issued by the Administrative Law Judge (ALJ) on August 19, 2021, setting a deadline for a third set of Requests for Information on September 3, 2021, and GWA's response by September 10, 2021. While settlement discussions were scheduled for September 27-October 1, 2021, they were not fruitful.

PUC public hearings were held November 3, 4 and 5, 2021 and evidentiary hearings 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, documents along with 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 due December 30, 2021, and the PUC consultant's supplemental report is due January 15, 2021. No other deadlines were set.

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. CCU Resolution 06-FY2022 is being proposed so that transfers from the RSF can be made, if necessary, before the PUC rate order is issued.

FY21 Audit

The FY21 audit is proceeding according to plan, with field work set to be complete by January 24. However, audited reports from the Department of Administration to determine GWAs share of benefits provided to retirees (Other Post-Employment Benefits) and the Retirement Fund to determine GWAs share of the unfunded liability are needed before the GWA audit can be finalized.

FY22 & FY23 Budget

A request to modify the budget will be made once the PUC order on rates for FY22 has been issued. Weekly reports are issued to the business unit managers to help them track and plan their expenditures based on the available budget.

The budget call for FY23 should be issued shortly.



We continue 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.

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 RFP for insurance services.

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.

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.

Water and Wastewater Consumption

Water consumption is down 1% and wastewater flows are up 5% for the month of November as demand shifts from the residential customer class to commercial and government as the economy picks up and schools open. With regard to water consumption, Commercial 1, 2 & 3 showed growth, while the Hotel class remains down by 4% and residential was also below last November by 6%.

Year to Date (YTD) water demand is also down by 1% while wastewater flows are up by 2% compared to last year. Increases in water demand in the commercial customer classes offset decreases in the residential and hotel customer classes. Note that the number of YTD billing days for November 2021 was the same as November 2020, 61 days. See Schedule K for Water Demand for FY2015 to FY2022.

YTD average daily water consumption for the November 2021 of 14,400 kgals was about 1% less than November 2020's 14,489 kgals. In November 2021 as compared to November 2020, decreases in the residential average daily water consumption were made up by increases in GovGuam and Commercial average daily water consumption.

Balance Sheet (Schedule A)

- Total Assets & Deferred Outflows of Resources of \$1.201B in September 2021 decreased by \$4.5M or less than 1% in November 2021 to \$1.196B. Current Assets decreased by \$4.7M primarily due to decreases in cash and federal receivables. Property, Plant and Equipment decreased by \$1.7M due to increases in accumulated depreciation offset by an increase in construction work in progress. Other Noncurrent Assets increased by \$2.2M due to increases in investments. Days Cash on Hand was calculated at 237 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$883.2 in September 2021 decreased by \$6.7M or 1% to \$876.5M in November 2021 as reductions in contractors' payable were offset by increases in interest payable.



- Accounts Receivable days in October and November 2021 were 43 days. Accounts Payable days were 31 days in November, better by 6 days as compared to 37 days in October 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 November 2021 of \$8.619M were 9% or \$858K less than budget of \$9.5M. Total Operating Revenues for November 2021 were 5% or \$381K more than November 2020's \$8.2M as schools and businesses open due to the relaxation of public health emergency restrictions.
- Total Year to Date Operating Revenues as of November 2021 of \$16.8M were 12% or \$2.2M less than budget of \$18.95M. Total Year to Date Operating Revenues as of November 2021 were 2% or \$339.5 more than Year to Date Operating Revenues as of November 2020's \$16.4M.
- 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 November as well as the revenue totals:

Customer Class	FY2022		FY2021	
o Residential	\$8,048,981	48.33%	\$8,291,859	51.08%
o Commercial	\$3,642,845	21.87%	\$3,352,359	20.65%
o Hotel	\$1,860,551	11.17%	\$1,926,365	11.87%
o Government of Guam	\$1,876,840	11.27%	\$1,568,936	9.67%
o Federal Government	\$1,145,311	6.88%	\$1,015,798	6.26%
o Agriculture, Golf Course, Irrigation	\$79,575	0.48%	\$77,739	0.48%
TOTALS	\$16,654,102	100.00%	\$16,233,056	100.00%

- Total Operating Expenses for November 2021 of \$7.4M were \$102K or 1% more than budget of \$7.5M. Total Operating Expenses for November 2021 were 6% or \$397K more than November 2020's \$6.97M. The largest increases month over month were in power purchases and depreciation.
- Total Year to Date Operating Expenses as of November 2021 of \$14.4M were \$555K or 4% less than budget of \$14.9M. Total Year to Date Operating Expenses as of November 2021 were 4% or \$572K more than November 2020 YTD's \$13.8M. As noted above, the largest increases year over year were in power purchases and depreciation.
- Earnings from Operations for November 2021 of \$1.25M were 38% or \$756K less than the budget of \$2M and 1% or \$16.3K less than November 2020's \$1.27M. Change in Net Assets for November 2021 of \$3.5M was 26% or \$723K more than the \$2.8M budget and \$198K or 6% more than November 2020's \$3.3M.
- Year to Date Earnings from Operations as of November 2021 of \$2.4M were 41% or \$1.6M less than the budget of \$4M and 9% or \$233K less than November 2020 YTD's \$2.6M. Year to Date Change in Net Assets as of November 2021 of \$2.2M was 61% or \$3.4M less than the \$5.6M budget and \$80.6K or 4% more than November 2020 YTD's \$2.1M.

**Key Financial Indicators**

Indicator	Target	Oct-21	Novt-21
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.25	1.26
• Per PUC / CCU	1.40	1.25	1.40
Days – Cash on Hand	120 days	232 days	237 days
Collection Ratio			
• Month to Date	99%	90%	87%
• Year to Date	99%	90%	89%
Days Billed	30 days	30 days	31 days
Account Receivable Days	30 days	43 days	43 days
Account Payable Days	45 days	37 days	31 days
Employee Count	400 FTE	365 FTE	365 FTE
Water Demand			
• Month to Date	478,754	436,303	442,090
• Year to Date	957,508	436,303	878,392
Wastewater Flow			
• Month to Date	356,472	309,291	334,322
• Year to Date	712,945	309,291	643,613
Water Customers	42,839	43,106	43,054
Wastewater Customers	29,805	29,860	29,830

**GUAM WATERWORKS AUTHORITY
November 30, 2021
FINANCIAL AND RELATED REPORTS
TABLE OF CONTENTS**

	SCHEDULES	PAGE
BALANCE SHEET	A	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	B	3
INCOME STATEMENT MTD ACTUALS FY22 VS FY21	C	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY22 VS FY21	E	6
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	F	7
SCHEDULE OF CASH RESTRICTED/UNRESTRICTED	G	8
AGING REPORT - GOVERNMENT RECEIVABLES	H	9
AGING REPORT - RECEIVABLES BY RATE CLASS	I	10
AGING REPORT - ACCOUNTS PAYABLE	J	11
WATER DEMAND BY RATE CLASS FY2015 - FY2022	K	12

GWA Work Session - January 18, 2022 - GM REPORT

GUAM WATERWORKS AUTHORITY
Balance Sheet
November 30, 2021

SCHEDULE A

	Unaudited November 30, 2021	Unaudited September 30, 2021	Increase (Decrease)
ASSETS AND DEFERRED OUTFLOWS of RESOURCES			
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule G)	33,237,609	35,044,630	(1,807,021)
Restricted Funds (Schedule G)	40,659,575	42,426,211	(1,766,637)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$8,941,648 at Nov 30, 2021 and \$8,747,124 at Sept 30, 2021	12,329,279	11,392,368	936,911
Federal Receivable	7,837,645	11,436,000	(3,598,356)
Other Receivable	1,038,855	1,002,328	36,526
Prepaid Expenses	2,224,988	849,867	1,375,121
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Nov 30, 2021 and \$64,131 at Sept 30, 2021	4,368,039	4,284,336	83,703
Total Current Assets	101,695,989	106,435,741	(4,739,752)
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	415,275,210	415,123,284	151,926
Wastewater system	513,741,066	513,741,066	-
Non-utility property	33,085,932	33,051,603	34,329
Total property	962,102,208	961,915,953	186,255
Less: Accumulated Depreciation	(372,077,194)	(367,521,639)	(4,555,555)
Land	5,287,305	5,240,187	47,117
Construction Work in Progress	170,259,820	167,589,130	2,670,689
Property, Plant and Equipment, net	765,572,138	767,223,632	(1,651,494)
<u>Noncurrent assets</u>			
Restricted cash (Schedule G)	190,255,332	193,458,224	(3,202,892)
Investments (Schedule G)	73,069,455	67,678,709	5,390,746
Total other noncurrent assets and deferred charges	263,324,787	261,136,933	2,187,854
Total Assets	1,130,592,914	1,134,796,306	(4,203,392)
Deferred outflows of resources			
Regulatory Assets	1,944,022	1,922,989	21,033
Debt defeasance due to bond refunding	30,943,840	31,286,637	(342,797)
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	1,196,400,858	1,200,926,014	(4,525,156)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,990,000	-
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	-
Notes Payable	-	-	-
Accounts Payable -Trade	3,122,236	2,652,457	469,779
Accrued and Other Liabilities	1,336,360	2,011,179	(674,819)
Interest Payable	12,239,001	7,324,101	4,914,900
Accrued Payroll and Employee Benefits	1,186,151	918,403	267,748
Current portion of employee annual leave	660,125	660,125	-
Contractors' Payable	14,388,651	25,847,832	(11,459,182)
Customer and Other Deposits	2,295,417	2,237,010	58,408
Total Current Liabilities	44,972,941	51,396,108	(6,423,166)
<u>Long Term Debt, less current maturities</u>			
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	40,341,637	40,654,335	(312,698)
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	850,185,606	856,921,471	(6,735,864)
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	876,498,586	883,192,520	(6,693,934)
Net Assets	319,902,272	317,733,494	2,168,778
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,196,400,858	1,200,926,014	(4,525,156)

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending November 30, 2021

SCHEDULE B

	Month to Date Actual (Unaudited) November-21	Budget* November-21	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,387,898	5,863,373	(475,475)
Wastewater Revenues	2,896,575	3,226,426	(329,851)
Legislative Surcharge	254,503	274,214	(19,711)
Other Revenues	30,659	35,895	(5,235)
System Development Charge	49,371	77,442	(28,071)
Total Operating Revenues	8,619,007	9,477,350	(858,343)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	559,133	598,196	39,063
Power Purchases	1,226,235	1,182,787	(43,448)
Total Utility Costs	1,785,368	1,780,983	(4,385)
Salaries and Wages	1,549,951	1,680,209	130,259
Pension and Benefits	612,240	696,003	83,762
Total Salaries and Benefits	2,162,191	2,376,212	214,021
Capitalized Labor and Benefits	(235,948)	(308,333)	(72,386)
Net Salaries and Benefits	1,926,243	2,067,879	141,636
Administrative and General Expenses			
Sludge removal	64,756	133,115	68,359
Chemicals	121,794	154,858	33,064
Materials & Supplies	68,233	164,619	96,386
Transportation	26,558	55,926	29,368
Communications	34,738	27,135	(7,603)
Claims	6,675	14,331	7,656
Insurance	79,937	82,972	3,035
Training & Travel	4,676	23,501	18,826
Advertising	1,589	11,548	9,960
Miscellaneous	115,433	114,933	(500)
Regulatory Expense	30,309	30,183	(126)
Bad Debts Provision	178,649	139,113	(39,536)
Total Administrative and General Expense	733,345	952,236	218,891
Depreciation Expense	2,302,512	1,855,919	(446,593)
Contractual Expense			
Audit & Computer Maintenance	122,413	127,009	4,596
Building rental	41,479	41,412	(68)
Equipment rental	34,430	53,153	18,723
Laboratory	34,284	62,242	27,958
Other	136,224	243,320	107,096
Total Contractual Expense	368,831	527,135	158,304
Retiree Supp. Annuities and health care costs	200,229	233,386	33,156
Contribution to Government of Guam	51,833	52,993	1,159
Total Retiree Benefits	252,063	286,378	34,316
Total Operating Expenses	7,368,362	7,470,530	102,168
Earnings (Loss) from Operations	1,250,645	2,006,820	(756,175)
Interest Income - 2010/13/14/16/17/20 Series Bond	3,046	128,299	(125,254)
Interest Income - Other Funds	935	29,550	(28,616)
Interest Income - SDC	187	2,488	(2,301)
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	-	-	-
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	(3,642)	-	(3,642)
Total non-operating revenues (expenses)	(2,471,975)	(2,523,508)	51,533
Net Income (Loss) before capital contributions	(1,221,330)	(516,688)	(704,642)
Capital Contributions			
Grants from US Government	4,738,823	3,311,071	1,427,751
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	4,738,823	3,311,071	1,427,751
Change in Net Assets	3,517,493	2,794,383	723,110
Debt Service Calculation			
Earnings From Operations	1,250,645	2,006,820	
System Development Charge	(49,371)	(77,442)	
Retiree COLA	51,833	52,993	
Interest/Investment Income	935	29,550	
Depreciation	2,302,512	1,855,919	
Balance Available for Debt Service per Section 6.12	3,556,554	3,867,840	
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)	1.28	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.28	1.40	

*Interim budget

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending November 30, 2021 and 2020

SCHEDULE C

	Month to Date Actual (Unaudited) November-21	Actual (Unaudited) November-20	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	5,387,898	5,391,681	(3,783)
Wastewater Revenues	2,896,575	2,543,339	353,237
Legislative Surcharge	254,503	241,641	12,863
Other Revenues	30,659	42,834	(12,174)
System Development Charge	49,371	18,923	30,448
Total Operating Revenues	8,619,007	8,238,418	380,589
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	559,133	622,223	(63,089)
Power Purchases	1,226,235	992,697	233,538
Total Utility Costs	1,785,368	1,614,919	170,449
Salaries and Wages	1,549,951	1,550,587	(636)
Pension and Benefits	612,240	583,596	28,644
Total Salaries and Benefits	2,162,191	2,134,183	28,008
Capitalized Labor and Benefits	(235,948)	(250,364)	14,416
Net Salaries and Benefits	1,926,243	1,883,819	42,424
Administrative and General Expenses			
Sludge removal	64,756	96,344	(31,588)
Chemicals	121,794	121,860	(66)
Materials & Supplies	68,233	148,214	(79,981)
Transportation	26,558	51,930	(25,372)
Communications	34,738	17,652	17,086
Claims	6,675	-	6,675
Insurance	79,937	78,330	1,607
Training & Travel	4,676	10,400	(5,724)
Advertising	1,589	2,222	(633)
Miscellaneous	115,433	75,425	40,008
Regulatory Expense	30,309	16,913	13,396
Bad Debts Provision	178,649	163,536	15,113
Total Administrative and General Expense	733,345	782,826	(49,481)
Depreciation Expense	2,302,512	2,118,121	184,391
Contractual Expense			
Audit & Computer Maintenance	122,413	101,629	20,785
Building rental	41,479	51,012	(9,532)
Equipment rental	34,430	22,147	12,283
Legal	-	-	-
Laboratory	34,284	4,370	29,914
Other	136,224	131,280	4,944
Total Contractual Expense	368,831	310,437	58,394
Retiree Supp. Annuities and health care costs	200,229	210,987	(10,758)
Contribution to Government of Guam	51,833	50,333	1,500
Total Retiree Benefits	252,063	261,321	(9,258)
Total Operating Expenses	7,368,362	6,971,444	396,918
Earnings (Loss) from Operations	1,250,645	1,266,974	(16,329)
Interest Income - 2010/13/14/16/17/20 Series Bond	3,046	2,360	686
Interest Income - Other Funds	935	614	320
Interest Income - SDC	187	2,385	(2,198)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,457,450)	(2,559,639)	102,189
Contributions from Federal Government	-	-	-
Federal Expenditures	-	(46,499)	46,499
Loss on Asset Disposal	-	-	-
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	(3,642)	-	(3,642)
Total non-operating revenues (expenses)	(2,471,975)	(2,616,527)	144,553
Net Income (Loss) before capital contributions	(1,221,330)	(1,349,553)	128,223
Capital Contributions			
Grants from US Government	4,738,823	4,669,080	69,743
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	4,738,823	4,669,080	69,743
Change in Net Assets	3,517,493	3,319,527	197,966
Debt Service Calculation			
Earnings From Operations	1,250,645	1,266,974	
System Development Charge	(49,371)	(18,923)	
Retiree COLA	51,833	50,333	
Interest/Investment Income	935	614	
Depreciation	2,302,512	2,118,121	
Balance Available for Debt Service per Section 6.12	3,556,554	3,417,120	
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)	1.28	1.30	
Debt Service Coverage (1.40X) (PUC)	1.28	1.30	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending November 30, 2021

SCHEDULE D

	Year to Date Actual (Unaudited) November-21	Budget* November-21	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	10,695,594	11,726,746	(1,031,152)
Wastewater Revenues	5,464,175	6,452,851	(988,676)
Legislative Surcharge	494,333	548,428	(54,096)
Other Revenues	67,171	71,790	(4,619)
System Development Charge	30,399	154,884	(124,485)
Total Operating Revenues	16,751,672	18,954,700	(2,203,027)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,059,133	1,196,392	137,259
Power Purchases	2,539,127	2,365,574	(173,553)
Total Utility Costs	3,598,260	3,561,966	(36,294)
Salaries and Wages	3,051,990	3,360,419	308,429
Pension and Benefits	1,195,646	1,392,005	196,359
Total Salaries and Benefits	4,247,636	4,752,424	504,788
Capitalized Labor and Benefits	(566,501)	(616,667)	(50,166)
Net Salaries and Benefits	3,681,135	4,135,757	454,622
Administrative and General Expenses			
Sludge removal	119,159	266,231	147,072
Chemicals	229,654	309,716	80,062
Materials & Supplies	170,352	329,238	158,886
Transportation	97,596	111,852	14,257
Communications	41,002	54,270	13,268
Claims	24,847	28,661	3,814
Insurance	159,874	165,945	6,071
Training & Travel	7,683	47,003	39,320
Advertising	4,289	23,097	18,808
Miscellaneous	214,517	225,630	11,113
Regulatory Expense	45,545	60,367	14,822
Bad Debts Provision	333,056	278,226	(54,829)
Total Administrative and General Expense	1,447,573	1,900,235	452,662
Depreciation Expense	4,555,137	3,711,839	(843,299)
Contractual Expense			
Audit & Computer Maintenance	181,382	252,962	71,580
Building rental	82,959	82,823	(135)
Equipment rental	76,188	106,306	30,118
Legal	-	-	-
Laboratory	49,097	124,483	75,386
Other	211,264	486,640	275,376
Total Contractual Expense	600,889	1,053,214	452,326
Retiree Supp. Annuities and health care costs	393,954	466,771	72,818
Contribution to Government of Guam	103,667	105,985	2,319
Total Retiree Benefits	497,620	572,757	75,136
Total Operating Expenses	14,380,614	14,935,768	555,154
Earnings (Loss) from Operations	2,371,058	4,018,932	(1,647,873)
Interest Income - 2010/13/14/16/17/20 Series Bond	5,663	256,599	(250,936)
Interest Income - Other Funds	1,774	59,101	(57,327)
Interest Income - SDC	441	4,975	(4,534)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(4,914,900)	(5,276,658)	361,758
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	312,698	(46,155)	358,853
Defeasance due to bond refunding	(342,797)	(44,877)	(297,920)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(3,981)	-	(3,981)
Total non-operating revenues (expenses)	(4,941,103)	(5,047,016)	105,913
Net Income (Loss) before capital contributions	(2,570,044)	(1,028,084)	(1,541,960)
Capital Contributions			
Grants from US Government	4,738,823	6,622,143	(1,883,320)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	4,738,823	6,622,143	(1,883,320)
Change in Net Assets	2,168,778	5,594,059	(3,425,280)
Debt Service Calculation			
Earnings From Operations	2,371,058	4,018,932	
System Development Charge	(30,399)	(154,884)	
Retiree COLA	103,667	105,985	
Interest/Investment Income	1,774	59,101	
Depreciation	4,555,137	3,711,839	
Balance Available for Debt Service per Section 6.12	7,001,236	7,740,972	
Debt Service			
Principal	1,624,167	1,545,000	
Interest	3,952,178	3,993,325	
Total	5,576,345	5,538,325	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.26	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.26	1.40	

*Interim budget

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending November 30, 2021 and 2020

SCHEDULE E

	Year to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	November-21	November-20	(Decrease)
OPERATING REVENUES			
Water Revenues	10,695,594	10,632,593	63,001
Wastewater Revenues	5,464,175	5,123,371	340,804
Legislative Surcharge	494,333	477,743	16,589
Other Revenues	67,171	59,745	7,426
System Development Charge	30,399	118,701	(88,301)
Total Operating Revenues	16,751,672	16,412,153	339,519
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,059,133	1,244,445	(185,312)
Power Purchases	2,539,127	1,981,398	557,729
Total Utility Costs	3,598,260	3,225,843	372,417
Salaries and Wages	3,051,990	3,097,748	(45,758)
Pension and Benefits	1,195,646	1,172,057	23,589
Total Salaries and Benefits	4,247,636	4,269,805	(22,169)
Capitalized Labor and Benefits	(566,501)	(583,139)	16,638
Net Salaries and Benefits	3,681,135	3,686,666	(5,531)
Administrative and General Expenses			
Sludge removal	119,159	223,869	(104,710)
Chemicals	229,654	326,769	(97,116)
Materials & Supplies	170,352	199,709	(29,357)
Transportation	97,596	90,161	7,434
Communications	41,002	28,268	12,735
Claims	24,847	-	24,847
Insurance	159,874	156,661	3,213
Training & Travel	7,683	7,757	(74)
Advertising	4,289	6,892	(2,604)
Miscellaneous	214,517	158,422	56,095
Regulatory Expense	45,545	25,872	19,673
Bad Debts Provision	333,056	324,674	8,382
Total Administrative and General Expense	1,447,573	1,549,053	(101,481)
Depreciation Expense	4,555,137	4,235,607	319,530
Contractual Expense			
Audit & Computer Maintenance	181,382	206,960	(25,578)
Building rental	82,959	88,483	(5,524)
Equipment rental	76,188	74,534	1,653
Legal	-	-	-
Laboratory	49,097	11,870	37,227
Other	211,264	215,950	(4,686)
Total Contractual Expense	600,889	597,797	3,091
Retiree Supp. Annuities and health care costs	393,954	412,260	(18,306)
Contribution to Government of Guam	103,667	100,667	3,000
Total Retiree Benefits	497,620	512,927	(15,306)
Total Operating Expenses	14,380,614	13,807,894	572,721
Earnings (Loss) from Operations	2,371,058	2,604,260	(233,202)
Interest Income - 2010/13/14/16/17/20 Series Bond	5,663	4,478	1,185
Interest Income - Other Funds	1,774	1,214	560
Interest Income - SDC	441	10,366	(9,925)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(4,914,900)	(5,119,279)	204,378
Interest Expense - ST BOG	-	-	-
Contributions from Federal Government	-	-	-
Federal Expenditures	-	(55,797)	55,797
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	312,698	310,948	1,750
Defeasance due to bond refunding	(342,797)	(344,194)	1,397
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(3,981)	-	(3,981)
Total non-operating revenues (expenses)	(4,941,103)	(5,192,263)	251,161
Net Income (Loss) before capital contributions	(2,570,044)	(2,588,004)	17,959
Capital Contributions			
Grants from US Government	4,738,823	4,669,080	69,743
Grants from GovGuam & Others	-	7,106	(7,106)
Total Capital Contributions	4,738,823	4,676,186	62,637
Change in Net Assets	2,168,778	2,088,182	80,596
Debt Service Calculation			
Earnings From Operations	2,371,058	2,604,260	
System Development Charge	(30,399)	(118,701)	
Retiree COLA	103,667	100,667	
Interest/Investment Income	1,774	1,214	
Depreciation	4,555,137	4,235,607	
Balance Available for Debt Service per Section 6.12	7,001,236	6,823,047	
Debt Service			
Principal	1,624,167	1,545,000	
Interest	3,952,178	3,694,503	
Total	5,576,345	5,239,503	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.26	1.30	
Debt Service Coverage (1.40X) (PUC)	1.26	1.30	

Guam Waterworks Authority
System Development Charges Project Status
As of November 30, 2021

SCHEDULE F

Funding Summary

Total available project funds	\$ 14,829,247
Total project expenditures and encumbrances	10,592,769
Total unobligated project funds	\$ 4,236,477

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	1,153,971
Central Guam Reservoirs	274,240	5,800	280,040
Line Replacement Phase IV	256,937	-	256,937
Northern DWWTP	1,275,146	4,349,681	5,624,827
Northern DWWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	519,227	74,641	593,869
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofofo Sewer Improvement	-	241,142	241,142
Groundwater Well Production Meter Rep.	113,543	37,664	151,207
	\$ 5,876,273	\$ 4,716,497	\$ 10,592,769

Future planned projects

	FY 2021-2025
Water Wells	1,000,000
Water Dist Sys Pipe Replacement & Upgrades	1,500,000
Capacity Enhancements - 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 November 30, 2021	Unaudited September 30, 2021	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	4,430	4,430	-
BOG Deposit Accounts	10,211,261	11,783,670	(1,572,409)
BOG O & M Reserve	13,863,914	13,863,240	674
BOG CapEx Fund	9,156,005	9,391,290	(235,285)
Sub-total Unrestricted	33,237,609	35,044,630	(1,807,021)
RESTRICTED			
ANZ Bank	518	1,374	(856)
Bank Pacific	18,948	13,720	5,227
Bank of Hawaii	234,411	187,857	46,554
Community First FCU	3,707	2,897	810
First Hawaiian Bank	26,157	28,808	(2,651)
Bank Pacific Surcharge	288,039	346,165	(58,126)
Bank Pacific Escrow Deposit	905,943	905,936	8
BOG Customer Refunds	2,155,557	2,101,144	54,412
BOG Emergency Reserve Fund	6,245	6,245	-
BOG Sewer Hookup Revolving Fund	61,571	61,318	253
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	486,657	902,327	(415,670)
BOG Revenue Trust Fund	5,867,024	7,604,696	(1,737,672)
BOG Capital Improvement Revenue Fund	6,879,846	6,017,960	861,886
BOG Rate Stabilization Fund	11,400,000	11,400,000	-
	31,418,104	32,663,929	(1,245,825)
BOG - SDC Deposit	4,241,470	4,512,282	(270,812)
BOG - SDC CDs	5,000,000	5,250,000	(250,000)
Total SDC	9,241,470	9,762,282	(520,812)
Total Restricted	40,659,575	42,426,211	(1,766,637)
Reserve Funds			
BOG Series 2013 Construction Fund	4,528,804	4,566,711	(37,907)
BOG Series 2016 Construction Fund	54,003,572	56,620,524	(2,616,952)
BOG Series 2017 Refunding Construction Fund	4,360,027	4,368,640	(8,613)
BOG Series 2020A Construction Fund	121,778,256	-	121,778,256
BOG Series 2020A Capitalized Interest Fund	5,584,672	122,317,770	(116,733,098)
BOG Series 2020A Cost of Issuance Fund	-	5,584,579	(5,584,579)
Total Restricted - Held by Trustee	190,255,332	193,458,224	(3,202,892)
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	2,104,570	1,396,665	707,905
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	1,679,006	1,048,078	630,928
USB Series 2014 Refunding Debt Service Reserve Fund	7,737,260	7,736,844	416
USB Series 2016 Debt Service Fund	4,651,059	2,816,611	1,834,448
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,558	31,558	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	3,138,344	1,903,114	1,235,230
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	2,454,599	1,472,780	981,819
Total Investments	73,069,455	67,678,709	5,390,745
Total Restricted and Unrestricted Cash	337,221,971	338,607,774	(1,385,804)

GWA Work Session - January 18, 2022 - GM REPORT

Guam Waterworks Authority
Accounts Receivable - Government (Active)
November 30, 2021

SCHEDULE H

A G I N G								
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Autonomous Agencies (Active)								
Guam Int'l Airport Authority	7	\$ 15,908	\$ 15,492	\$ 21,019	\$ 8,000	\$ 236,826	\$	297,245
Guam Power Authority	25	195,954	-	-	-	-		195,954
Guam Memorial Hospital Authority	3	48,744	42,500	1,389	150	13,555		106,338
Guam Housing & Urban Renewal Authority	9	8,709	290	336	257	1,213		10,805
Port Authority of Guam	5	1,404	-	-	-	-		1,404
Guam Housing Corporation	1	30	-	-	-	-		30
Total Autonomous Agencies	50	\$ 270,749	\$ 58,283	\$ 22,744	\$ 8,407	\$ 251,594	\$	611,777
		44.26%	9.53%	3.72%	1.37%	41.13%		100.00%
Line Agencies								
Department of Education	52	\$ 379,172	\$ 359,444	\$ 338,720	\$ 227,773	\$ 579	\$	1,305,687
Department of Parks & Recreation	14	113,884	21,901	463	2,977	4,035		143,259
Mayors Council of Guam	61	20,249	10,104	3,783	1,524	88,255		123,915
Department of Corrections	9	75,056	-	-	-	-		75,056
University of Guam	48	58,730	-	-	-	-		58,730
Department of Public Works	11	29,255	2,899	150	54	6,952		39,310
Department of Chamorro Affairs	7	27,254	-	-	-	-		27,254
Guam Police Department	7	7,082	4,283	3,876	2,067	2,063		19,372
Department of Public Health & Social Services	8	4,593	6,041	1,881	188	154		12,858
Guam Fire Department	11	8,120	2,664	-	-	-		10,784
Department of Agriculture	6	7,518	3,251	-	-	-		10,769
Guam Veterans Affairs Office	2	1,019	903	816	1,357	6		4,101
Department of Military Affairs/GUARNG	1	4,063	-	-	-	-		4,063
Office of the Governor	2	3,844	-	-	-	-		3,844
New Guam Mental Health	1	1,751	1,546	-	-	-		3,297
Department of Youth Affairs	3	1,241	961	144	-	-		2,346
Guam Solid Waste Authority	3	1,602	-	-	-	-		1,602
Division of Senior Citizens, DPHS&S	2	284	303	178	192	150		1,107
Office of Technology	1	106	134	116	600	-		956
Department of Customs & Quarantine	1	428	389	-	-	-		817
Guam Public Library	6	607	-	-	-	-		607
Guam Police Dept	2	259	222	42	-	-		523
Merizo Mayor	1	262	82	66	37	62		509
Department of Mental Health and Substance	1	478	-	-	-	-		478
Guam Energy Office	1	374	-	-	-	-		374
Office of Civil Defense	2	318	-	-	-	-		318
Guam Environmental Protection Agency	2	263	-	-	-	-		263
Department of Agriculture-Fisheries	1	120	115	-	-	-		236
Guam Visitors Bureau	2	229	-	-	-	-		229
Department of Administration	3	217	-	-	-	-		217
Department of Mental Health	2	164	-	-	-	-		164
The Office of the Dededo Mayor	1	100	-	-	-	-		100
Agat Mayor's Office	1	77	-	-	-	-		77
Total Line Agencies	275	\$ 748,717	\$ 415,245	\$ 350,235	\$ 236,769	\$ 102,256	\$	1,853,221
		40.40%	22.41%	18.90%	12.78%	5.52%		100.00%
Total as of November 30, 2021 (Active)	325	\$ 1,019,466	\$ 473,528	\$ 372,979	\$ 245,176	\$ 353,850	\$	2,464,999
		41.36%	19.21%	15.13%	9.95%	14.35%		100.00%

GWA Work Session - January 18, 2022 - GM REPORT

GUAM WATERWORKS AUTHORITY
Accounts Receivable Aging Summary by Rate Class
As of November 30, 2021

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 2,757,151	\$ 569,403	\$ 581,780	\$ 243,732	\$ 434,059	\$ 4,586,125	22%	
Agriculture	409	26,394	3,271	1,460	1,213	33,228	65,566	0%	
Commercial I	2,628	1,265,299	105,533	50,254	28,944	432,889	1,882,917	9%	
Commercial II	35	269,553	12,675	-	-	1,092	283,320	1%	
Commercial III	301	686,962	107,016	76,510	16,242	287,358	1,174,088	6%	
Golf Course	15	3,731	-	-	-	-	3,731	0%	
Hotel	58	1,189,305	99,716	102,613	107,901	645,591	2,145,125	10%	
Irrigation	33	2,943	386	292	253	1,295	5,170	0%	
Residential	48,141	4,502,072	730,985	478,936	506,539	4,906,352	11,124,884	52%	
	52,054	10,703,410	1,628,985	1,291,845	904,823	6,741,864	21,270,927	100%	
		50%	8%	6%	4%	32%			

Less Allowance for Doubtful Accounts: (8,941,648)
Net Accounts Receivable: 12,329,279

Days Receivables Outstanding 43

As of October 31, 2021

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 2,043,043	\$ 547,707	\$ 552,131	\$ 356,299	\$ 476,595	\$ 3,975,774	19%	
Agriculture	407	21,658	3,212	1,923	2,527	32,242	61,561	0%	
Commercial I	2,621	1,156,036	125,275	38,029	19,798	428,990	1,768,128	9%	
Commercial II	34	281,657	-	-	-	1,092	282,748	1%	
Commercial III	301	592,296	100,898	81,196	10,614	283,613	1,068,617	5%	
Golf Course	15	6,279	-	-	-	-	6,279	0%	
Hotel	58	1,206,271	156,529	128,705	11,685	665,926	2,169,116	11%	
Irrigation	33	2,959	343	270	151	1,327	5,049	0%	
Residential	48,056	4,518,309	757,672	622,066	508,990	4,646,996	11,054,030	54%	
	51,959	9,828,507	1,691,635	1,424,320	910,063	6,536,781	20,391,304	100%	
		48%	8%	7%	4%	32%			

Less Allowance for Doubtful Accounts: (8,747,124)
Net Accounts Receivable: 11,644,180

Days Receivables Outstanding 43

ACTIVE ONLY

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 2,757,151	\$ 488,788	\$ 581,780	\$ 243,732	\$ 434,059	\$ 4,505,510	27%	
Agriculture	386	26,344	3,162	1,349	770	5,311	36,936	0%	
Commercial I	2,464	1,264,749	102,815	43,208	25,951	259,028	1,695,751	10%	
Commercial II	34	269,553	12,675	-	-	-	282,229	2%	
Commercial III	287	686,310	106,365	76,510	16,242	233,240	1,118,667	7%	
Golf Course	15	3,731	-	-	-	-	3,731	0%	
Hotel	55	1,189,305	66,509	66,180	67,542	160,461	1,549,997	9%	
Irrigation	32	2,943	386	292	253	-	3,875	0%	
Residential	39,988	4,472,722	687,054	354,578	280,096	1,572,727	7,367,176	44%	
	43,695	10,672,809	1,467,755	1,123,897	634,585	2,664,826	16,563,872	100%	
		64%	9%	7%	4%	16%			

Less Allowance for Doubtful Accounts: (8,941,648)
Net Accounts Receivable: 7,622,224

As of October 31, 2021

Rate Class	No. of Accounts	A G I N G						Total	
		Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 2,043,043	\$ 547,574	\$ 552,131	\$ 356,299	\$ 476,595	\$ 3,975,641	25%	
Agriculture	384	21,549	3,101	1,461	1,319	5,112	32,542	0%	
Commercial I	2,460	1,155,475	122,463	35,927	10,267	264,630	1,588,762	10%	
Commercial II	33	281,657	-	-	-	-	281,657	2%	
Commercial III	288	592,296	100,898	81,196	10,614	229,495	1,014,499	6%	
Golf Course	15	4,555	-	-	-	-	4,555	0%	
Hotel	55	1,173,064	120,097	88,346	11,685	180,796	1,573,988	10%	
Irrigation	32	2,959	343	270	151	32	3,754	0%	
Residential	40,006	4,480,111	642,214	395,148	215,919	1,592,097	7,325,490	46%	
	43,707	9,754,706	1,536,688	1,154,480	606,254	2,748,758	15,800,887	100%	
		62%	10%	7%	4%	17%			

Less Allowance for Doubtful Accounts: (8,747,124)
Net Accounts Receivable: 7,053,763

GUAM WATERWORKS AUTHORITY
Accounts Payable Aging

SCHEDULE J

<u>As of</u>	<u>AGING</u>								<u>Days Payable Outstanding</u>
	Current	31 - 60 Days	61 - 90 Days	91 - 120 Days	> 120 Days	Total			
November 30, 2021	\$ 2,384,367 78%	\$ 174,125 6%	\$ 98,099 3%	\$ 42,291 1%	\$ 364,326 12%	\$ 3,063,209 100%			31
October 31, 2021	\$ 2,564,736 66%	\$ 624,755 16%	\$ 97,771 3%	\$ 210,191 5%	\$ 382,891 10%	\$ 3,880,345 100%			37
September 30, 2021	\$ 2,149,072 82%	\$ 145,056 6%	\$ 55,956 2%	\$ 19,984 1%	\$ 249,782 10%	\$ 2,619,850 100%			31

GUAM WATERWORKS AUTHORITY
WATER DEMAND BY RATE CLASS
FY2015 - FY2022

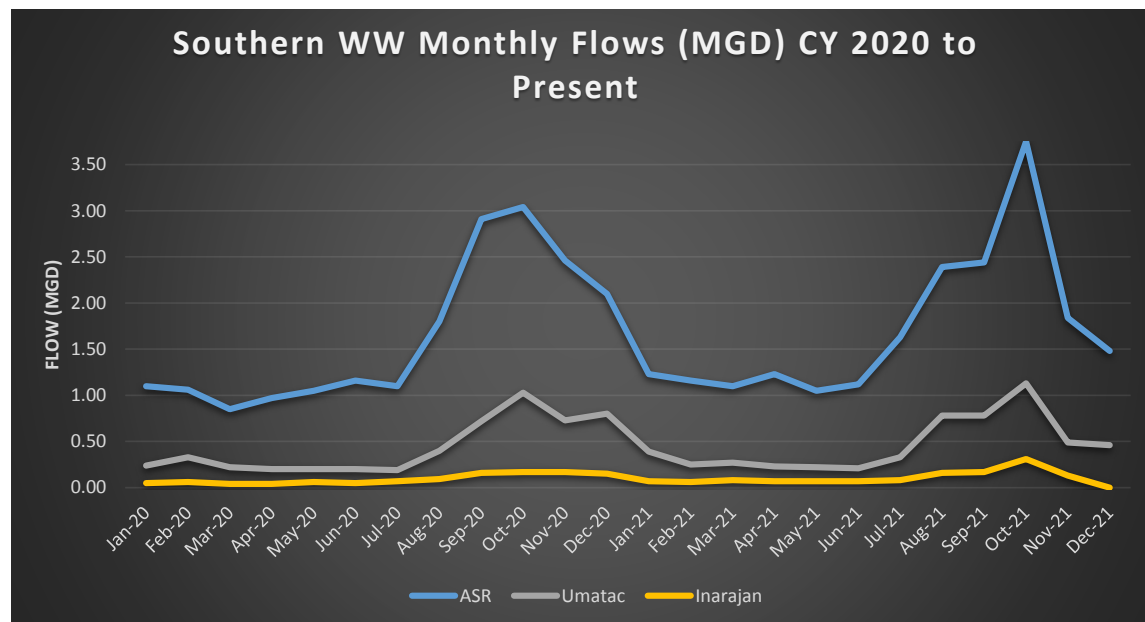
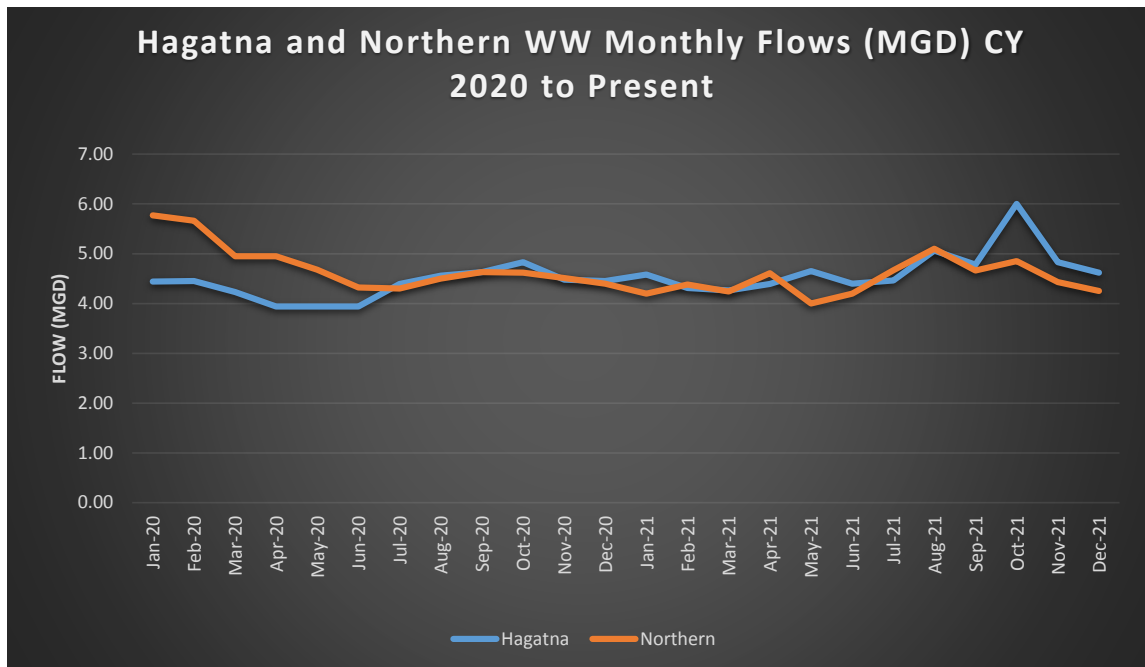
SCHEDULE K

CLASS	AUDITED						UNAUDITED		
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	FY2020 TOTAL CONSUMPTION (kGal)	FY2021 TOTAL CONSUMPTION (kGal)	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	3,572,339	-1%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	806,800	3%
F Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,422	-31%
G Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	444,466	10%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	381,828	-15%
G Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	2,793	-2%
A Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	57,602	-16%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	<u>8,654</u>	<u>5,404</u>	<u>3,077</u>	-43%
GRAND TOTAL	<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	<u>5,757,733</u>	<u>5,339,864</u>	<u>5,270,327</u>	-1%

Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day

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

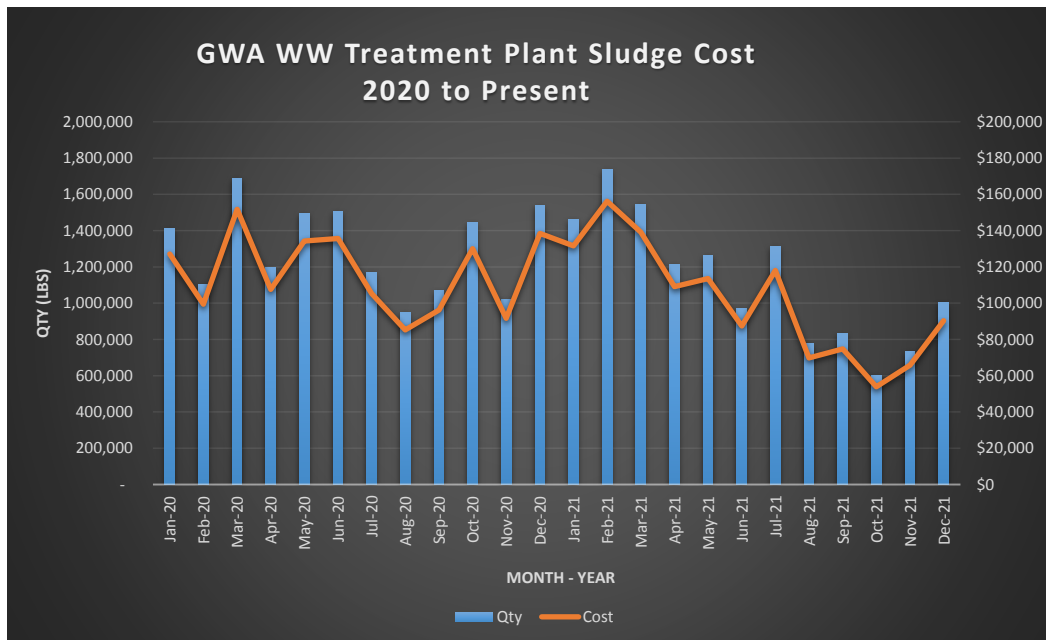
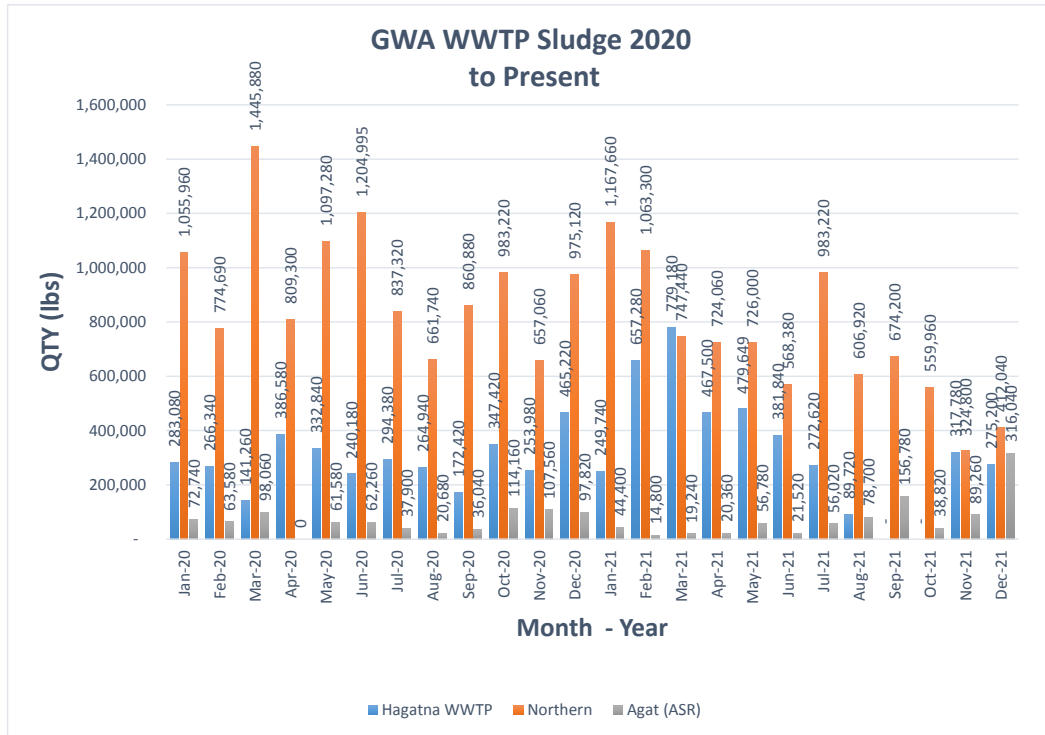
2021	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-21	4.58	4.20	1.23	0.39	0.07
Feb-21	4.31	4.38	1.16	0.25	0.06
Mar-21	4.26	4.24	1.10	0.27	0.08
Apr-21	4.39	4.61	1.23	0.23	0.07
May-21	4.65	4.00	1.05	0.22	0.07
Jun-21	4.40	4.20	1.12	0.21	0.07
Jul-21	4.46	4.67	1.63	0.33	0.08
Aug-21	5.06	5.10	2.39	0.78	0.16
Sep-21	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	1,714	1,630	621	169	40



GWA Work Session - January 18, 2022 - GM REPORT

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2020	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-20	283,080	\$25,477	1,055,960	\$95,036	72,740	\$6,547	1,411,780	\$127,060
Feb-20	266,340	\$23,971	774,690	\$69,722	63,580	\$5,722	1,104,610	\$99,415
Mar-20	141,260	\$12,713	1,445,880	\$130,129	98,060	\$8,825	1,685,200	\$151,668
Apr-20	386,580	\$34,792	809,300	\$72,837	0	\$0	1,195,880	\$107,629
May-20	332,840	\$29,956	1,097,280	\$98,755	61,580	\$5,542	1,491,700	\$134,253
Jun-20	240,180	\$21,616	1,204,995	\$108,450	62,260	\$5,603	1,507,435	\$135,669
Jul-20	294,380	\$26,494	837,320	\$75,359	37,900	\$3,411	1,169,600	\$105,264
Aug-20	264,940	\$23,845	661,740	\$59,557	20,680	\$1,861	947,360	\$85,262
Sep-20	172,420	\$15,518	860,880	\$77,479	36,040	\$3,244	1,069,340	\$96,241
Oct-20	347,420	\$31,268	983,220	\$88,490	114,160	\$10,274	1,444,800	\$130,032
Nov-20	253,980	\$22,858	657,060	\$59,135	107,560	\$9,680	1,018,600	\$91,674
Dec-20	465,220	\$41,870	975,120	\$87,761	97,820	\$8,804	1,538,160	\$138,434
Grand Total	3,448,640	\$310,378	11,363,445	\$1,022,710	772,380	\$69,514	15,584,465	\$1,402,602

	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



GWA Work Session - January 18, 2022 - GM REPORT

Guam Waterworks Authority				Date: 1/11/2022		<div></div> <div>WASTEWATER FACILITIES REPORT</div>							
REVIEWS													
TOTAL PUMPS INSTALLED		181		OVERALL AVERAGE		87%							
TOTAL PUMPS OPERATIONAL		159		% OF OPERATING PUMPS		88%							
TOTAL PUMP STATIONS		82											
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	1	50%	GPA	A	pump#1 removed and dropped to vendor for repairs due to defective mechanical seal as per electrician.	WO 1133294				PO500216
5	HARMON	2	2	2	100%	GPA	A	pump #2 was picked up from vendor and installed (back on line)					
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	YPAO PAO	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 removed due to defective starting capacitor.	WO 1257204				
22	ASTUMBO 2	2	2	2	100%	GPA	A						
Total	22		52	42	81%								

GWA Work Session - January 18, 2022 - GM REPORT

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 rebuked 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	2	100%	GPA	A	Pump #1 has bearing issue. Pump is still online until PO is released.	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	Agara Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned					
Total	29		63	58	92%								

GWA Work Session - January 18, 2022 - GM REPORT

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	TALAOFO	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 Lucy 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 Talaofo.		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	3	100%	OP	AUTO	Pump #3 was placed back online.					
25	Windward Hills	1	3	2	67%	OP	AUTO	Pump was installed on line #2. Pending electrical hook up.					OR 51710
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	Talague	2	2	2	100%	PORTABLE	MAN						
31			66	59	89%								

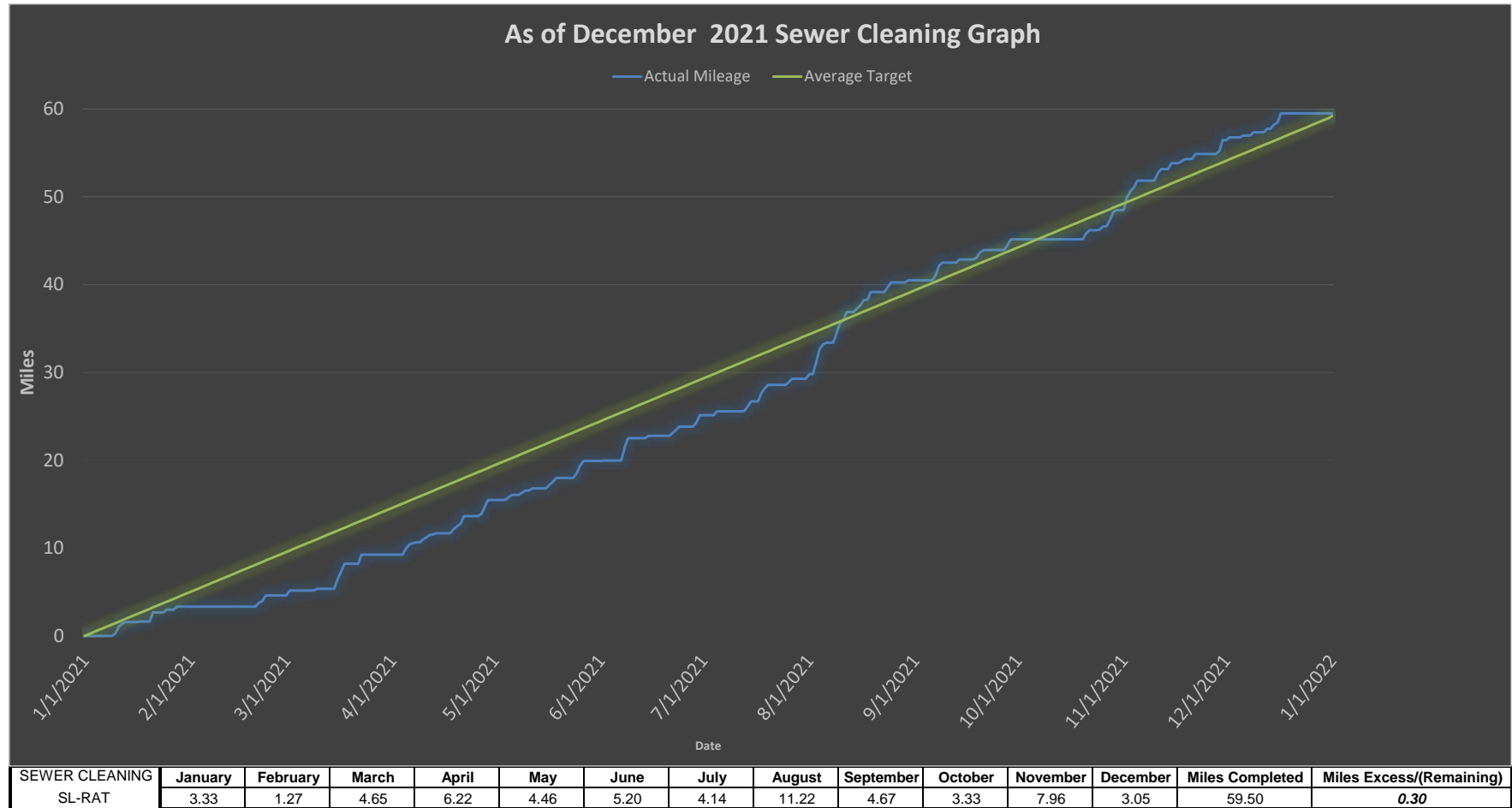












5 miles a month required, 59.2 miles a year to complete for 2021 (296 miles to complete in 5 years)

59.2 miles x 5 years = 296 miles

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

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

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

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



Guam Waterworks Authority

VEHICLE FLEET STATUS

12/3/2021

EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment	Number of Equipment Not	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	5	3	2	60%
Fuel Tanker	1	1	0	100%
Heavy Duty	12	10	2	83%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	144	111	33	77%
Mini Backhoe	4	2	2	50%
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	16	12	4	75%
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	224	170	54	

SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
2	1	0	0	0	0	0
3	0	0	0	0	0	0
1	1	0	0	1	0	0
0	0	0	0	0	1	0
0	1	0	0	0	0	0
1	0	0	0	0	0	0
2	1	0	0	2	0	0
1	0	0	0	0	0	0
10	0	0	1	0	1	0
1	0	0	0	0	0	0
1	0	0	0	0	0	0
105	6	1	7	12	8	5
2	0	0	0	0	0	2
0	0	0	0	0	1	0
0	0	0	0	1	0	0
1	1	0	0	2	1	0
2	0	0	0	0	0	0
1	0	0	0	0	0	0
12	0	0	0	3	1	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
157	13	1	8	22	16	7




Guam Waterworks Authority
VEHICLE FLEET STATUS
12/30/2021

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	10	2	83%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	146	111	35	76%
Mini Backhoe	4	1	3	25%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	1	4	20%
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	171	57	

SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
2	1	0	0	0	0	0
3	0	0	0	0	0	0
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
9	1	0	0	0	2	0
1	0	0	0	0	0	0
1	0	0	0	0	0	0
105	6	1	6	12	11	5
1	0	0	0	1	0	2
0	0	0	0	0	1	0
0	0	0	0	1	0	0
1	0	0	0	2	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
159	12	2	6	22	17	10

GWA Work Session - January 18, 2022 - GM REPORT

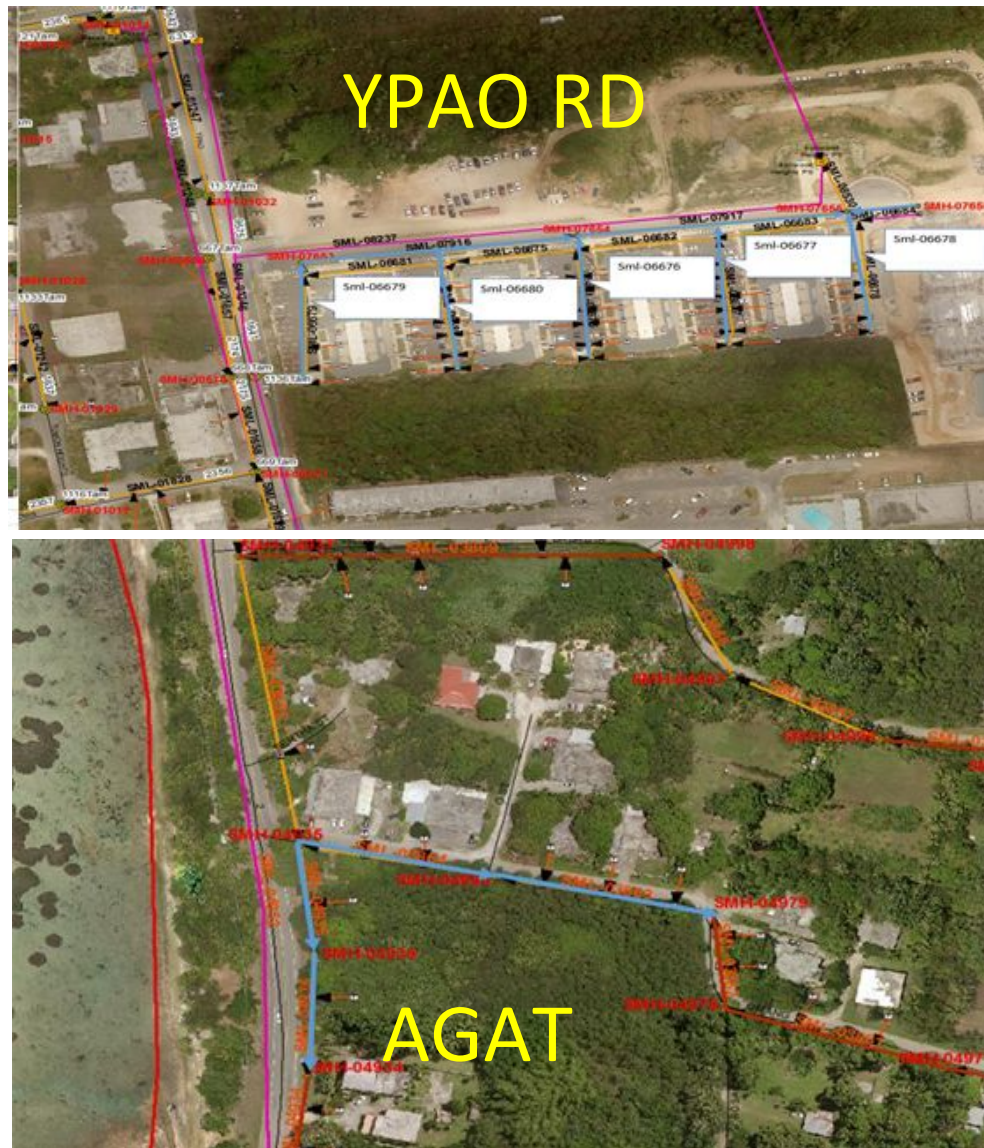
Guam Waterworks Authority				Date: 12/14/2021		<div></div> <div>WASTEWATER FACILITIES REPORT</div>							
REVIEWS													
TOTAL PUMPS INSTALLED	171	OVERALL AVERAGE		86%									
TOTAL PUMPS OPERATIONAL	147	% OF OPERATING PUMPS		86%									
TOTAL PUMP STATIONS	77												
Northern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	3	75%	GPA	A	P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs		Pending new pumps which are part of the Northern Treatment 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	1	50%	GPA	A	pump#1 removed and dropped to vendor for repairs due to defective mechanical seal as per electrician.	WO 1133294				PO500216
5	HARMON	2	2	1	50%	GPA	A	pump #2 was removed and dropped to vendor for repairs due to burnt motor	WO 1111348				PO 500238
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	2	67%	GPA	N/A	9-2-21, Pump #3 was removed due to pump was grounded.	WO 1228469				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	2	100%	GPA	A						
22	ASTUMBO 2	2	2	2	100%	GPA	A						
Total	22		52	43	83%								

GWA Work Session - January 18, 2022 - GM REPORT

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.	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	2	100%	GPA	A	Pump #1 has bearing issue. Pump is still online until PO is released.					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	58	92%								

GWA Work Session - January 18, 2022 - GM REPORT

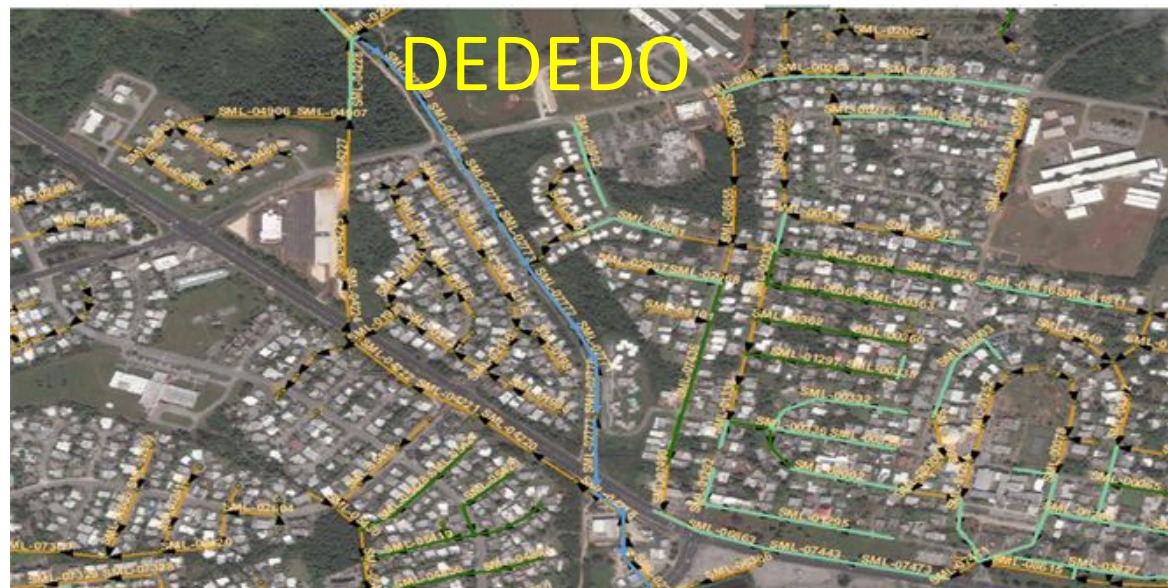
Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	2	50%	OP	MAN	Pump#2 was removed and taken to vendor due to seal failure. Pump #4 was returned to vendor due to low megger and seal failure (pump is still under warranty). Pump #5 was removed and brought to vendor due to motor grounded.	#2- WO 1222521 #4 -WO 1133299 #5-WO 1222257	#2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from ASRWWT on #2.			P#4 (PO 500215) P#2 PO 500428 P#5 PO 500391 VFDs replacement (OR 50790 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	TALAOFO	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 Lucy 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	1	50%	PORTABLE /INOP	NA	12/1/21, Motor #1 was secured due to possible bearing issue.	WO 1249489				
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	1	50%	PORTABLE/INOP	NA	Compressor #2 needs to be replaced.					
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 #3 was removed due to seal failure. Pump was returned back to vendor which is still under warranty.					
25	Windward Hills	1	3	2	67%	OP	AUTO	Pump #2 was removed due to impeller wont spin.					OR 51710
26	Aplacho	1	3	3	100%	OP	AUTO						
26			56	46	82%								









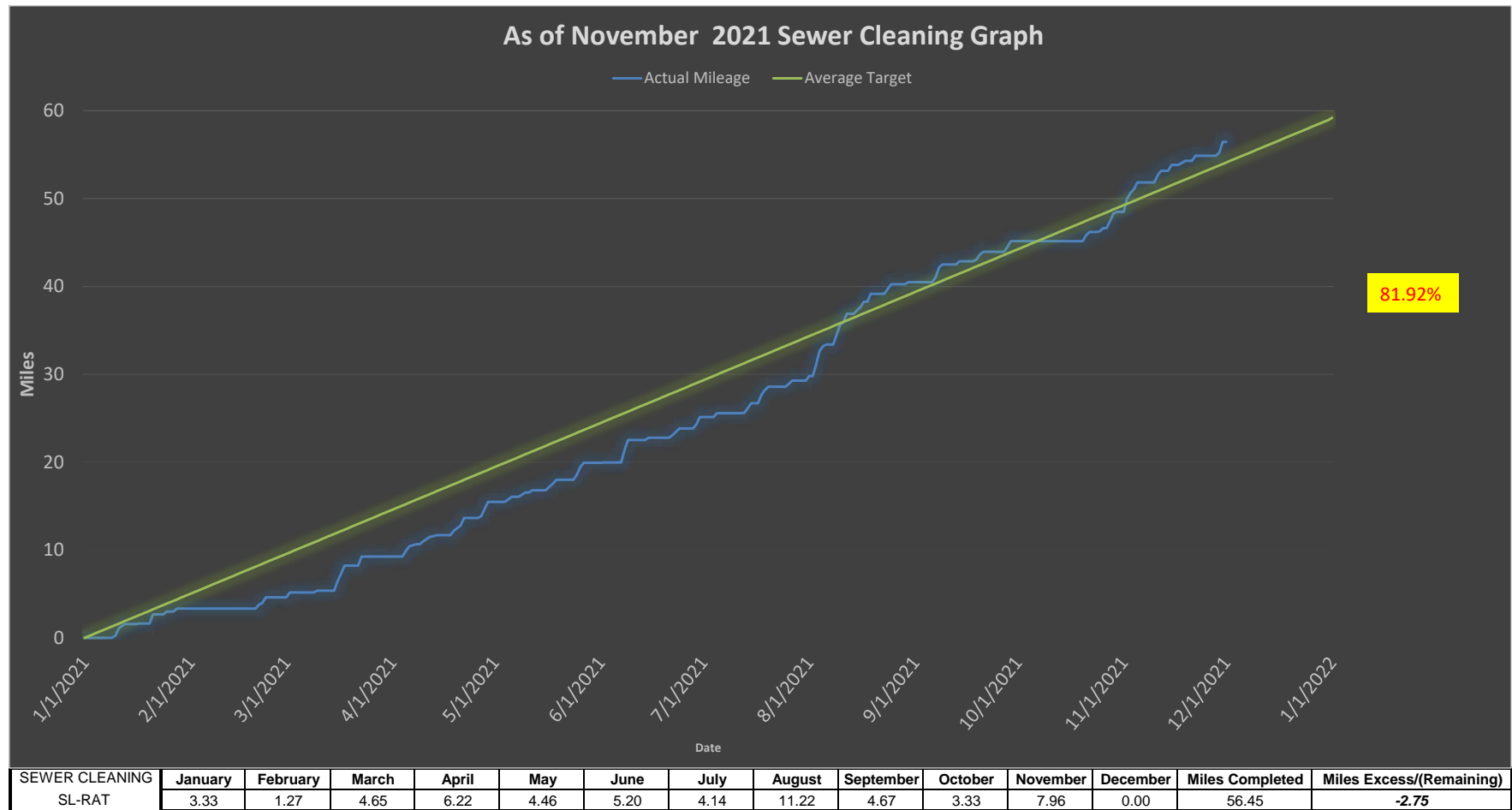


YIGO MARIANAS TERRACE









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

59.2 miles x 5 years = 296 miles

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

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

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

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

Guam Waterworks Authority		Date: 11/30/2021	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	55	OVERALL AVERAGE	94%
TOTAL PUMPS OPERATIONAL	52	% OF OPERATING PUMPS	95%
TOTAL BOOSTER PUMP STATIONS	27		

Northern District

NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	PUMP AND MOTOR INVENTORY
1	Yigo	30	3	3	100%	OP	A						
2	Gaythero	20	2	2	100%	OP	A						
3	Matsuec	25	2	2	100%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A						
5					50%	OP	A	1-29-21 work still ongoing with upgrading control wires. One pump placed on standby.		Electrical wires being upgraded.			
6	Hyundai	40	2	1	50%	OP	A						
6	Chin, Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Agana Heights	30	3	3	100%	OP	A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
10	Adawag	1.5	1	1	100%	N/A							
11	Paie Kren	1	1	1	100%	N/A							
12	Ulisa, Unlaian	1	2	2	100%	OP	A						
13	Latte Heights	15	2	2	100%	OP	A						
TOTAL = 13			26	25	96%								
pump availability = no of operational pumps/no of pumps*100%													

Central District

NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	2	67%	OP	A	Pump 3 shaft repaired. Pump 1 VFD showing ground fault.					
2	Brigade	60 / 20	3	3	100%	OP	A						
3					67%	OP	A	Pump 3 pending mechanical seals and rebuild kit. 11-5-21 delivery date not available.					
3	Windward Hills	200 / 75	3	2	67%	OP	A	Pump 2 installed 11-23-21					
4	Santa Rita Spring	40	2	2	100%	OP	A						
5					100%	N/A		1-29-21 Renovation of station started. One pump remains in service during this period.					
6	Santa Ana (Lower)	25	1	1	100%	N/A		11-5-21 Renovation still ongoing.					
7	Camacho	1	1	1	100%	N/A							
7	Tenono	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	Malolojo 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	Malolojo Elevated	15	3	3	100%	OP	A						
TOTAL=7			15	15	100%								
pump availability = no of operational pumps/no of pumps*100%													

Guam Waterworks Authority		Date: 12/30/2021	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	55	OVERALL 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	Mataquac	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	Inspection needed for pump 1 due to low discharge pressure.					
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	Chin, Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Apana Heights	30	3	3	100%	OP	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	Uloa/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%	OP	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. 12-30-21 delivery date not available					
4	Santa Rita Spring	40	2	2	100%	OP	A	Pump 2 installed 11-23-21					
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.					
6	Camacho	1	1	1	100%	N/A		12-30-21 Renovation still ongoing.					
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	Maloloj 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	Maloloj Elevated	15	3	3	100%	OP	A						
Total=7			15	15	100%								
pump availability =no of operational pumps/no of pumps*100%													



"Better Water. Better Lives."

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Tel. No. (671) 300-6846/8 Fax. No. (671) 648-3290

January 14, 2022

Commissioners
Consolidated Commission on Utilities

RE: Written Recommendation to Discuss GWA Litigation Matter in Executive Session during the January 18, 2022, Consolidated Commission on Utilities Work Session for the Guam Waterworks Authority

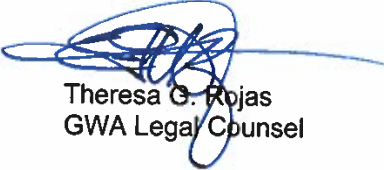
Dear Commissioners,

As the legal counsel for Guam Waterworks Authority (GWA), I hereby recommend pursuant to 5 G.C.A. § 8111, that the Commissioners discuss the following matters in Executive Session during the January 18, 2022, Consolidated Commission on Utilities Work Session for the Guam Waterworks Authority:

1. Litigation issue as stated in Agenda;
2. Any other matter that legal counsel for GWA may verbally recommend that the Commission hear during the above-described meeting.

Pursuant to 5 G.C.A. § 8111, the Commission must make an affirmative vote of a majority of the members of the Commission to discuss these matters in Executive Session. Please contact me at 300-6853 if you have any questions.

Sincerely,



Theresa G. Rojas
GWA Legal Counsel