



CONSOLIDATED COMMISSION ON UTILITIES

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

GUAM WATERWORKS AUTHORITY WORK SESSION

*CCU Conference Room
4:30 p.m., Tuesday, April 20, 2021*

AGENDA (AMENDED)

1. CALL TO ORDER

2. ISSUES FOR DECISION

- 2.1 Authorizing Management of Guam Power Authority and Guam Waterworks Authority to Procure Merchant Services / GWA Resolution No. 15-FY2021 (Amended) and GPA Resolution No. 2021-06 (Amended)
- 2.2 Authorizing Management of Guam Power Authority and Guam Waterworks Authority to Receive Payments from Guam Solid Waste Authority (GSWA) Customers at GPWA Facilities / GWA Resolution No. 17-FY2021 and GPA Resolution No. 2021-11
- 2.3 Approving the Guam Waterworks Authority Financial Plan Update for FY2022-FY2024 / Resolution No. 18-FY2021
- 2.4 Contract Approval for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement Project; GWA Project No. M19-001-BND / Resolution No. 19-FY2021
- 2.5 Creation of the Community Outreach Program Director Position for the Guam Waterworks Authority / Resolution No. 20-FY2021

3. GM REPORT

- 3.1 GM Summary

4. ISSUES FOR DISCUSSION

5. OTHER DISCUSSION

- 5.1 CCU Rules Update

6. DIVISION REPORTS

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

7. ANNOUNCEMENTS

- 7.1 Next CCU Meetings: GPA Work Session: April 22; CCU Regular Monthly Mtg.: April 27

8. ADJOURNMENT



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

Issues for Decision

Resolution No. 17-FY2021 (GWA) / 2021-11 (GPA)

Authorizing Management of Guam Power Authority and Guam Waterworks Authority to Receive Payments from Guam Solid Waste Authority (GSWA) Customers at GPWA Facilities

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

The objective is to authorize Guam Power Authority and Guam Waterworks Authority (collectively GPWA) to accept collections on behalf of the Guam Solid Waste Authority (GSWA). GSWA has requested payment collection assistance as they believe many of their customers are also residential customers of GPWA. Although there is no mandate in law for this assistance, making the requested action neither necessary or urgent, accepting GSWA collections will make payments more convenient for Guam residents, especially GWA and GPA customers who are also GSWA customers. A Memorandum of Agreement detailing the terms and conditions under which GPWA will agree to receive GSWA payments will be required prior to provision of this assistance. The MOA will address segregation of funds, limitations on liability, and the responsibilities of each party involved, including payment of fees and costs.

Where is the location?

GPWA offices and/or drive-thrus in Fadian, Julale, and Upper Tumon.

How much will it cost?

Any costs for the requested assistance will be borne by GSWA, who will pay for any costs to upgrade the CC&B software, provide materials and pay a processing fee.

When will it be completed?

If approved by the CCU, once the MOA has been executed, CC&B software has been upgraded, and proper notice has been provided to the public, GPWA can begin accepting payments.

What is the funding source?

Guam Solid Waste Authority

The RFP/BID responses (if applicable):

Not applicable



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GPA RESOLUTION NO. 2021-11

GWA RESOLUTION NO. 17-FY2021

**AUTHORIZING MANAGEMENT OF GUAM POWER AUTHORITY AND GUAM
WATERWORKS AUTHORITY TO RECEIVE PAYMENTS FROM GUAM SOLID
WASTE AUTHORITY (GSPA) CUSTOMERS AT GPWA FACILITIES**

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 Power Authority (“GPA”) and the Guam Waterworks Authority (“GWA”); and

WHEREAS, GPA and GWA are Guam Public Corporations established and existing under the laws of Guam; and

WHEREAS, the Guam Solid Waste Authority (“GSPA”) is an autonomous public corporation regulated by the Public Utility Commission and governed by a five-member board appointed by the Governor and confirmed by the legislature; and

WHEREAS, precipitated by Bank of Guam fee increases and budget constraints, GSPA formally requested in January that GPA and GWA accept payments from GSPA customers at Guam Power Authority and Guam Waterworks Authority (collectively “GPWA”) facilities; and

WHEREAS, additionally, the GSPA Board, by Resolution No. 2021-001 (Exhibit “A”), has requested that GSPA ratepayers make payments to GSPA using GPWA facilities for the convenience of their customers and GPWA ratepayers; and

WHEREAS, the GPA and GWA operate facilities in Julale, Fadian and Upper Tumon which accept receipts from GPA and GWA ratepayers and customers; and

1 **WHEREAS**, GSWA customers are also likely to be GPA and GWA residential
2 ratepayers; and

3
4 **WHEREAS**, GSWA will pay for any upfront costs to update the software to make
5 acceptance of GSWA receipts efficient and provide the needed equipment and supplies to
6 support the processing of receipt; and

7
8 **WHEREAS**, GSWA will pay for an administrative fee to process GSWA collections;
9 and

10 **WHEREAS**, GWA, GPA and GSWA will execute a Memorandum of Agreement
11 (Exhibit “B” – Draft MOA) which will set out the terms and conditions under which GSWA
12 customer payments can be received at GPWA facilities, to include segregation of funds,
13 limitations on liability, responsibilities of each party, to include costs and fees.

14
15 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
16 does hereby approve and authorize the following:

- 17 1. The recitals set forth above hereby constitute the findings of the CCU.
18 2. The CCU finds that acceptance of GSWA customer payments at GPWA facilities
19 will provide a convenience to GPWA ratepayers.
20 3. The CCU authorizes the GPA General Manager and GWA General Manager to
21 receive GSWA customer payments at GPWA facilities, provided that GPA and GWA enter into
22 a Memorandum of Agreement (MOA) with GSWA to formalize the terms and conditions under
23 which GSWA Customer payments may be received, such terms and conditions to include
24 segregation of funds, limitations of liability, responsibilities and related fees.
25 4. The General Managers of GPA and GWA are directed to review the MOA
26 annually and make amendments as needed.

27
28 **RESOLVED**, that the Chairman certifies and the Board Secretary attests to the adoption
29 of this Resolution.

30
31 //

DULY and REGULARLY ADOPTED and APPROVED this 27th day of April 2021.

Certified by:

Attested by:

JOSEPH T. DUENAS

Chairperson

MICHAEL T. LIMTIACO

Secretary

SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSENT: _____

ABSTAIN: _____

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EXHIBIT A



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO
Governor of Guam

JOSHUA F. TENORIO
Lt. Governor of Guam

LARRY J. GAST
General Manager



GSWA Board Resolution No. 2021-001

Authorization to Generate a Memorandum of Understanding with the Guam Power Authority to accept GSWA Customer Payments over the Counter

WHEREAS, the Guam Solid Waste Authority has incurred a rate increase for payments being accepted at the Bank of Guam; and,

WHEREAS, the Guam Solid Waste Authority has faced financial challenges throughout its transition out of Receivership into a fully autonomous agency and weathers the negative financial impacts of COVID-19; and,

WHEREAS, it is the desire of the Guam Solid Waste Authority Management and the Board to enable this partnership and provide a more efficient and convenient payment option for its customers; and,

WHEREAS, GSWA will pay for any upfront costs to update the software to make acceptance of GSWA receipts efficient and provide the needed equipment and supplies to support the processing of receipt; and

WHEREAS, GSWA will pay for an administrative fee to process GSWA collections; and

THEREFORE, BE IT HEREBY RESOLVED that the Board of Guam Solid Waste Authority does hereby authorize its management team to take appropriate action to enter into a Memorandum of Understanding with the Guam Power Authority and the Guam Waterworks Authority to have their agencies accept payments from GSWA customers on behalf of GSWA; and,

BE IT FURTHER RESOLVED that the Board of Guam Solid Waste Authority does hereby authorize the management team to generate and circulate an initial draft of the agreement.

Upon a motion to adopt the text of the foregoing Resolution made by Vice Chairwoman Minakshi Hemlani, seconded by Board Secretary Margaret (Peggy) Denney, the following vote was recorded:

Ayes: 4

Nays: 0

Absent: 0

Abstain: 0



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO
Governor of Guam

JOSHUA P. TENORIO
Lt. Governor of Guam

LARRY J. GAST
General Manager



Upon said roll call, the text of the foregoing was duly enacted as a Resolution of the Board of Guam Solid Waste Authority, Guam, on the 7th day of April 2021.

GUAM SOLID WASTE AUTHORITY BOARD OF DIRECTORS


Andrew Gayle, Chairman


Minakshi Hemlani, Vice Chair


Margaret Denney, Secretary


Jim Oehlerking, Director

ATTEST:

ALICIA FEJERAN, CLERK

BY: 

**MEMORANDUM OF AGREEMENT
BETWEEN
THE GUAM POWER AUTHORITY / THE GUAM WATERWORKS AUTHORITY
AND
THE GUAM SOLID WASTE AUTHORITY**

The Guam Power Authority and the Guam Waterworks Authority mutually agree to provide certain essential services for the GUAM SOLID WASTE AUTHORITY and in return will be fairly compensated by the GUAM SOLID WASTE AUTHORITY (GSWA).

A. RESPONSIBILITIES OF THE GUAM POWER AUTHORITY (GPA) / THE GUAM WATERWORKS AUTHORITY (GWA), also known collectively as GPWA:

I. Collections

The Guam Power Authority / The Guam Waterworks agree to accept collections on behalf of GSWA and will perform the following tasks when accepting payments.

a. Acceptance of Walk-up Payments:

Walk-up payments will be accepted and receipted when a billing statement with the following line data elements are provided by the payee:

- 1) Full Name
- 2) Account Number
- 3) Amount Due

If payment made is other than billed amount, customer must reflect changes in the bill.

b. Payments received by drop box will be accepted and receipted when:

- 1) The same criteria for data elements identified in A.1.a1.) are followed and provided.
- 2) No offsets are applied.
- 3) Account numbers are indicated on all billings.

Drop-box payments with insufficient GSWA account information will not be processed. These payments will be transmitted to GPA/GWA Office in Upper Tumon and picked up by designated GSWA personnel.

c. Preparation of Deposits:

- 1) The Guam Power Authority / The Guam Waterworks will deposit monies collected to the designated GSWA bank account with the Bank of Guam using the pre-printed deposit slips provided by GSWA.
- 2) There will be no co-mingling of GPWA and GSWA funds.
- 3) GSWA collections will be reconciled and deposited to GSWA's Bank of Guam account no later than the following business day.

II. Deposits of Solid Waste Collections:

a. Guam Power Authority / Guam Waterworks Authority will prepare a Daily Collection Report of monies collected and deposited from the day's collection. Report will be emailed in an excel format with the following information:

- 1) Date of Payment
- 2) Customer Account Number
- 3) Amount Paid

- b. All GSWA coupons paid will be scanned and emailed.
- c. Guam Power Authority / Guam Waterworks Authority will submit via email to the Guam Solid Waste Authority Authorized Personnel(s) the elements identified in II. a. and b. the following business day.

III. GPA / GWA Invoice

The Guam Power Authority / The Guam Waterworks Authority shall transmit invoices with the data elements as follows:

- 1) Invoice Date
- 2) Invoice Number
- 3) Account Number
- 4) Description – Period Ending
- 5) Number of Coupons
- 6) Rate Charges
- 7) Amount

B. RESPONSIBILITIES OF GUAM SOLID WASTE AUTHORITY (GSWA):

I. Payments to GPA / GWA

- a. Rates: The GUAM SOLID WASTE AUTHORITY agrees to pay \$1.00 per coupon to the Guam Power Authority / the Guam Waterworks Authority.
- b. GSWA reimburse GPWA for any software upgrades to GPWA's system required to efficiently process GSWA payments.
 - 1) GPWA will obtain quotes from its software vendor.
 - 2) GSWA will authorize updates prior to the work.

b. Method of Payment: The Guam Solid Waste Authority will make an ACH payment or check payable to the:

- 1) Guam Power Authority crediting the Account Number: _____ when mailed for payments made at the Julale and Fadian locations. .
- 2) Guam Waterworks Authority crediting the Account Number: _____ when mailed for payments made at the Upper Tumon location.
- 3) Payments will be made within in 30 days of receipt of invoice.

II. GSWA will be responsible for supplying deposit slips to GPA/GWA.

III. GSWA will be responsible for all customer inquiries and will provide POC information to GPA/GWA. GSWA will work with GPA/GWA on any collection discrepancies.

C. EFFECTIVE PERIOD

This MOU shall be in effect on the date signed by the Governor and will remain in effect until cancelled in writing by either of the parties identified below or their successors.

D. POINT OF CONTACT AND OFFICIAL MAILING ADDRESSES

- I. Guam Power Authority
John Kim, CPA
Chief Financial Officer
Phone: 671 300-3120
Email: jjekim@gpagwa.com
Gloria B Nelson Public Service Building
688 Route 15
Mangilao, GU 96913
 - II. Guam Waterworks Authority
Taling M Taitano, CPA
Chief Financial Officer
Phone: 671 300-6860
Email: tmtaitano@guamwaterworks.org
PO Box 3010
Hagatna, GU 96932
 - III. Guam Solid Waste Authority
Kathy B Kakigi, CPA
Comptroller
Phone: 671 647-4365
Email: kkakigi.gswa@gmail.com
542 North Marine Corps Drive
Tamuning, GU 96911
- E. HOLD HARMLESS CLAUSE
- GSWA agrees to indemnify, defend, and hold harmless GPWA and its affiliates, and their respective directors, officers and employees from and against any and all liabilities, claims, losses, lawsuits, judgments, and/or expenses, including reasonable attorney fees, to which GPWA or its personnel may become subject arising out of or related to this MOA (a "Loss") except to the extent such Loss is due to the gross negligence or willful misconduct of GPWA.

IN WITNESS OF, the parties have entered into this Agreement on the dates indicated by their respective names.

GUAM SOLID WASTE AUTHORITY
LARRY J. GAST
GENERAL MANAGER

DATE: _____

KATHRINE B. KAKIGI
COMPTROLLER

DATE: _____

DOCUMENT NO.: _____

VENDOR NO.: _____

AMOUNT:
***AMOUNT WILL VARY AND WILL BE
BASED UPON THE RATE OF SERVICES
RENDERED ACCORDING TO THIS
AGREEMENT***

**APPROVED AS TO LEGALITY AND
FORM:**

LEEVIN TAITANO CAMACHO
ATTORNEY GENERAL OF GUAM

DATE: _____

APPROVED:

LESTER CARLSON, DIRECTOR
BUREAU OF BUDGET MANAGEMENT RESEARCH

DATE: _____

GUAM POWER AUTHORITY

JOHN M. BENAVENTE, P.E.
GENERAL MANAGER

DATE: _____

JOHN J.E. KIM, CPA
CHIEF FINANCIAL OFFICER

DATE: _____

GUAM WATERWORKS AUTHORITY

MIGUEL C. BORDALLO, P.E.
GENERAL MANAGER

DATE: _____

TALING M. TAITANO, CPA
CHIEF FINANCIAL OFFICER

DATE: _____

APPROVED:

LOURDES A. LEON GUERRERO
GOVERNOR OF GUAM

DATE: _____



Issues for Decision

Resolution No. 18-FY2021

Relative to Approving the Guam Waterworks Authority Five Year Financial Plan Update

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

Although proforma rates for FY2022-FY2024 were agreed to, the Guam Public Utilities Commission (PUC) FY20 Rate Decision and Order, among other things, required that GWA a) perform a number of analytical studies, and b) use the studies to prepare a comprehensive review and update of its Five-Year Financial Plan. The analytical studies were filed, as required, with the PUC on March 31, 2021 and the FY2022 Comprehensive Review and Update to the Five-Year Financial Plan is due on May 1, 2021.

The executive summaries of the studies were provided via email and hard copies are available for review. The studies included:

1. Demand Forecasting
2. Water Loss Reduction
3. Cost of Service (draft submitted; study to be updated concurrent with submission of Financial Plan Update)
4. Affordability / Rate Design (draft submitted; study to be updated concurrent with submission of Financial Plan Update)
5. Capital Financing Alternatives
6. Capitalized Labor
7. Cesspool and Septic Tank Elimination

The Financial Plan addresses the 5-year period FY2020-FY2024 and includes: (1) FY2020 actuals (2) FY2021 projected results and (3) an updated forecast for FY2021 through FY2024 informed by the stipulated studies and results from FY2020 and FY2021. Updates were made to the annual budgets to reflect aggressive cost-containment efforts for operations, maintenance, and repair of GWA's water and sewer system, including revenue funding available for capital improvement projects; and (2) the detailed descriptive plan for raising sufficient revenue to meet the projected costs set forth in the budgets, including adjustments or increases in other sources of revenue such as the Legislative surcharge.

Approval of the Five-Year Financial Plan Update is urgent and necessary to meet the May 1, 2021 filing deadline in the PUC FY20 Rate Decision and Order.

Where is the location? The Five-Year Financial Plan Update includes funding for activities and projects that will be conducted island wide.

How much will it cost? The total funding required for the FY 22-24 portion of the Financial Plan is \$xxx,xxx,xxx.

Resolution No. 18-FY2021, Issues for Decision

Page 2 of 2

When will it be completed? The period covered by the updated plan is from FY2020 to FY2024. Once approved by the CCU, the Financial Plan will be submitted to the Public Utility Commission on May 1, 2021. A scheduling order should be in place by the week of April 20, 2021. GWA hopes to have the PUC decision and rate order related to the Financial Plan in place before the beginning of FY2022.

What is the funding source? The Financial Plan proposes raising additional revenues thru rates.

The RFP/BID responses (if applicable): N/A



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GWA RESOLUTION NO. 18-FY2021

RELATIVE TO APPROVING THE GUAM WATERWORKS AUTHORITY FIVE-YEAR FINANCIAL PLAN UPDATE

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, GWA is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, the Guam Public Utilities Commission (“PUC”) FY20 Rate Decision and Order issued on February 27, 2020, agreed to proforma rates for FY2022, FY2023 and FY2024 and required an FY2022 Comprehensive Review and Update to GWA’s Five-Year Financial Plan (“Financial Plan”); and

WHEREAS, the PUC FY20 Rate Decision and Order required GWA to undertake various analytical studies, namely (1) Demand Forecasting, (2) Water Loss Reduction, (3) Cost of Service / Rate Design, (4) Affordability, (5) Capital Financing Alternatives, (6) Capitalized Labor, and (7) Cesspool and Septic Tank Elimination, and to submit the studies by March 31, 2021, and incorporate the same into the Financial Plan Update; and

WHEREAS, the PUC FY20 Rate Decision and Order required a projected fund balance of not less than \$3 million and a debt service coverage ratio of 1.40x-1.5x; and

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WHEREAS, the PUC will determine final rates for FY2022, FY2023, and FY2024 based on the results of the studies and the Financial Plan Update; and

WHEREAS, on March 2020, the Governor of Guam issued Executive Order 2020-03 declaring a Guam State of Emergency in response to the Novel Coronavirus (COVID-19) outbreak, placing a number of restrictions on governments, businesses and citizens beginning in March 2020 and continuing to date; and

WHEREAS, this worldwide pandemic has had a profound effect on Guam's economy, negatively impacting GWA's revenues in FY2020 and FY2021 and those impacts have been reflected in the Financial Plan Update; and

WHEREAS, the changes in debt service due to the issuance of the Series 2020A Water and Wastewater System Revenue Bonds (additional debt service) in May 2020 and the Series 2020B Water and Wastewater System Revenue Refunding Bonds (debt service savings) in August 2020 were included in the Financial Plan Update; and

WHEREAS, GWA performed the studies, submitted five final reports and two draft reports (the Cost of Service Analysis and Affordability and Rate Design studies will be finalized along with the Financial Plan Update), and incorporated the results of those studies into the Financial Plan Update; and

WHEREAS, management has provided copies of the analytical studies and presented the results to the CCU; and

WHEREAS, GWA has attempted to mitigate impacts to rates through the use of Rate Stabilization and federal American Rescue Plan Act (ARPA) funds; and

WHEREAS; management has presented to the CCU for its approval the Financial Plan Update, a summary attached hereto as Exhibit A; and

WHEREAS, highlights of the plan include:

- 1) Rate increases of xx% for FY2022, xx% for FY 2023, and xx% for FY2024.
- 2) Internally funded capital improvement projects (CIPs) of approximately XXXX Million dollars (\$XX,000,000) to reduce GWA's need to finance all capital and thereby reduce costs to the consumers by eliminating the interest and costs associated with financing.
- 3) Proper debt services ratios required under the 2005, 2010, 2013, 2016 and 2020 Series Bond Indentures and future bond financing.
- 4) For FY2022-2024, reduced Debt Service Coverage targets of 1.3x and working capital reserve of 90 days to reflect reductions in demand due to the pandemic as described in the Demand Study.
- 5) Continuation of on-going efforts to reduce water losses by 20%-25% over the next five years through the implementation of island wide District Metered Areas (DMA) as well as a DMA monitoring and control system, proactive and expanded leak detection, and water loss control technical assistance along with prioritizing line replacement projects.
- 6) Adoption of a Letter of Credit and/or Commercial Paper program, after obtaining the necessary legislative and executive approvals.
- 7) Development of a rate-funded affordability program targeted at rate-payers in need.
- 8) Use of cost-of-service analysis results to propose changes in rate design
- 9) Adoption of recommendation of the capitalized labor study to properly allocate labor costs to CIPs.
- 10) Investment in extending sewer lines and development of programs to encourage rate payers to connect to the sewer system and eliminate cesspools and septic tanks.
- 11) Use of \$11.3 million Rate Stabilization and \$XX.X in federal ARPA Funds to mitigate needed rate increases.

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 Financial Plan Update required by the PUC FY20 Rate Decision and Order has been updated to reflect actions and events occurring since the stipulated and rate order were initially issued by the PUC, and the results of the analytical studies, and approves the Financial Plan Update, including but not limited to the highlights set forth below:
 - a. rate increases of XX% in FY2022, XX% in FY2023, and XX% in FY2024 to account for current debt service and future debt service for approximately \$XXX million in financing for capital projects and increases in costs such as power costs; Navy water purchases and other normal and recurring operating expenses due to inflation.
 - b. a reduction in water losses by 20 by the end of the five-year period;
 - c. XXX set aside for internally funded capital improvement projects to offset amounts GWA is required to borrow.
 - d. Use of xx and xx of Rate Stabilization and federal ARPA funds.
3. The CCU hereby further authorizes the management of GWA to submit the Financial Plan Update to the Guam Public Utility Commission.

DULY AND REGULARLY ADOPTED, this 27th day of April 2021.

Certified by:

Attested by:

JOSEPH T. DUENAS

MICHAEL T. LIMTIACO

Chairperson

Secretary

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SECRETARY'S CERTIFICATE

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

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

AYES:

NAYS:

ABSENT:

ABSTAIN:

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

Issues for Decision

Resolution No. 19-FY2021

Relative to Contract Approval for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement Project

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

The main objective of the project is to disconnect the existing meters along Canada-Toto Loop from an existing 6-inch asbestos cement pipe (ACP) and reconnect the meters to the existing 12-inch PVC waterline to resolve the recurring waterline breaks in the area. The project will also replace old and persistently leaking 2-inch and 6-inch ACP with new polyvinyl chloride (PVC) pipe ranging from 6-inches to 12-inches in diameter, including upgrade of service laterals of various lengths, along Tai Road, S-13, and Blas Street. The project will continue the waterline replacement program's efforts to reduce the non-revenue water rate, as well as improve the system where service delivery has been below standard.

Where is the project located?

The Tai Road and S-13 are located in Mangilao Village.

The Canada-Toto Loop and Blas Street are located in Barrigada and Mongmong-Toto-Maite villages.

How much will it cost?

The lowest combined bid (Base Bid + Additive Bid No. 1 + Additive Bid No. 2) proposal submitted that was deemed responsive was by Giant Construction Corporation of One Million Nine Hundred Forty-Five Thousand Seven Hundred Twenty Dollars (\$1,945,720.00). The nearest combined bid was over Eighty-Five Thousand Dollars (\$85,000.00) higher.

When will it be completed?

The construction period for the work to be substantially completed is 365 calendar days from the Notice to Proceed.

What is the funding source?

2020 Bond proceeds under the CIP PW 09-03 Water Distribution System Pipe Replacement and Upgrades and MP-PW-Pipe-12 Rehabilitation and Replacement Program funds

The RFP/BID responses (if applicable):

Four (4) interested bidders purchased and submitted bid proposals.

1. Ian Corporation
2. Giant Construction Corporation
3. Infratech International, LLC
4. Mega United



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GWA RESOLUTION NO. 19-FY2021

**RELATIVE TO CONTRACT APPROVAL FOR THE TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE REPLACEMENT PROJECT;
GWA PROJECT NO. M19-001-BND**

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

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

WHEREAS, GWA currently has a number of critical projects as part of GWA’s Capital Improvement Plan, including the upgrade of service laterals and replacement of old and persistently leaking waterlines in various diameter, length, and location islandwide; and

WHEREAS, GWA intends to continue the waterline replacement program as part of GWA’s efforts to reduce non-revenue water and make improvements to the system where service delivery has been below standard; and

WHEREAS, on January 7, 2021, GWA advertised the Invitation for Bid IFB-02-ENG-2021 for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement soliciting bid proposals from experienced, responsible, and responsive bidders to provide construction services for service lateral upgrade and replacement of approximately 5,720 LF of existing 2-inch and 6-inch asbestos cement pipe (ACP) with new polyvinyl chloride (PVC) pipes ranging from 6-inch to 12-inch diameter and disconnection of existing branch waterline, service connections and other water appurtenance connections from an existing 6-inch ACP and reconnect to an existing 12-inch PVC waterline along Canada-Toto Loop; and

WHEREAS, IFB packages were obtained by multiple interested parties, of which four (4) parties submitted bids to GWA (see EXHIBIT A – Abstract of Bids) before the bid proposal deadline; and

WHEREAS, the bid opening conducted on February 26, 2021 revealed Mega United Corporation, Ltd. was the apparent lowest bidder for both Base Bid and Combined Bid (Base Bid + Additive Bid No. 1 + Additive Bid No. 2), however, further review and inquiries from apparent lowest bidder resulted in Mega United Corporation, Ltd. being deemed a non-responsive bidder (see EXHIBIT B – Bid Rejection); and

WHEREAS, GWA Engineering and design consultant subsequently analyzed the next apparent low Base Bid proposal submitted by InfraTech International and determined that InfraTech International was also deemed non-responsive for not submitting complete bid requirements and not meeting the required current and previous experience within the last five (5) years which indicated none of the projects listed give any indication that they are similar in nature to the work required (see EXHIBIT C – GWA letter to InfraTech International); and

WHEREAS, GWA Engineering and design consultant further analyzed the bid proposals received and determined that the bid package submitted by Giant Construction Corporation was the lowest responsive and responsible bid and met all the bid requirements set forth by GWA; and

WHEREAS, GWA Management seeks CCU approval of Giant Construction Corporation’s combined bid (Base Bid + Additive Bid No. 1 + Additive Bid No. 2) proposal amount (SEE EXHIBIT D - Bid Proposal) of One Million Nine Hundred Forty-Five Thousand Seven Hundred Twenty Dollars (\$1,945,720.00), plus the ten percent (10%) contingency of One Hundred Ninety-Four Thousand Five Hundred Seventy-Two Dollars (\$194,572.00), to bring the total authorized funding amount to Two Million One Hundred Forty Thousand Two Hundred Ninety-Two Dollars (\$2,140,292.00); and

WHEREAS, GWA Management further seeks CCU approval to petition the Public Utilities Commission’s approval of the contract given this project meets the Contract Review Protocol requirements for GWA projects for which the use of Bond funds is intended;

WHEREAS, funding for this project will utilize 2020 Bond under the CIP PW 09-03 Water Distribution System Pipe Replacement and Upgrades and MP-PW-Pipe-12 Rehabilitation and Replacement Program funds.

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the conditions set by GWA relative to commencement of subsequent work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
3. The CCU hereby authorizes the management of GWA to accept the combined bid proposal from Giant Construction Corporation (Exhibit D).
4. The CCU hereby authorizes the management of GWA to enter into a contract with Giant Construction Corporation in the amount of One Million Nine Hundred Forty-Five Thousand Seven Hundred Twenty Dollars (\$1,945,720.00).
5. The CCU hereby approves the funding total of One Million Nine Hundred Forty-Five Thousand Seven Hundred Twenty Dollars (\$1,945,720.00), along with a 10% percent contingency of One Hundred Ninety-Four Thousand Five Hundred Seventy-Two Dollars (\$194,572.00), to bring the total authorized funding amount to Two Million One Hundred Forty Thousand Two Hundred Ninety-Two Dollars (\$2,140,292.00).
6. The CCU hereby approves the funding for this project will be from the 2020 Bond proceeds under the CIP PW 09-03 Water Distribution System Pipe Replacement and Upgrades and MP-PW-Pipe-12 Rehabilitation and Replacement Program funds.
7. The CCU hereby further approves GWA management to petition the PUC's approval of the project and contract proposal.

//

//

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

3
4 **DULY AND REGULARLY ADOPTED**, this 27th day of April 2021.

5
6 Certified by:

Attested by:

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

MICHAEL T. LIMTIACO
Secretary

11
12 **SECRETARY'S CERTIFICATE**

13
14 I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as
15 evidenced by my signature above do hereby certify as follows:

16 The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular
17 meeting by the members of the Guam Consolidated Commission on Utilities, duly and
18 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:

19 **AYES:** _____

20 **NAYS:** _____

21 **ABSENT:** _____

22 **ABSTAIN:** _____

23
24
25
26 ///

27
28
29 ///

30
31
32 ///



ORIGINAL
Exhibit A

Project Name: TAI ROAD/S-13 AND CANADA-TOTO-LOOP/BLAS STREET WATERLINE REPLACEMENT
Project Number: M19-001-BND IFB NO.: IFB-02-ENG-2021

Bid Opening Date: February 26, 2021
Time: 3:00 PM

ABSTRACT OF BIDS

BIDDERS NAME	Bid Bond	CERTIFICATIONS							ADDENDUM	
		Bidder Qualification Statement	Non-Collusion Affidavit	Equal Employment Opportunity	Non-Segregated Facilities	Non-Employment of Sexual Offender	Wage & Benefit Determination	Major Shareholders Affidavit	Special Instruction to Bidders	
1. IAN CORPORATION	LEXON INSURANCE CO. 15% OF TOTAL BID AMOUNT	✓	✓	✓	✓	✓	✓	✓	✓	1
2. GIANT CONSTRUCTION CORPORATION	PAIFIC INDEMNITY INS. CO. 15% OF ACCOMPANYING BID	✓	✓	✓	✓	✓	✓	✓	✓	2
3. INFRA TECH INTERNATIONAL, LLC	SAFECO INSURANCE CO. OF AMERICA 15% OF BID	✓	✓	✓	✓	✓	✓	✓	✓	
4. MEGA UNITED	FIRST NET INSURANCE CO. 15% OF TOTAL BID AMOUNT	✓	✓	✓	✓	✓	✓	✓	✓	
BASE BID		ADDITIVE BID NO. 1		ADDITIVE BID NO. 2		GRAND TOTAL				
1. IAN CORPORATION	\$1,276,796.75	\$295,349.34		\$458,613.51		\$2,030,759.60				
2. GIANT CONSTRUCTION CORPORATION	\$1,554,690.00	\$162,040.00		\$228,990.00		\$1,945,720.00				
3. INFRA TECH INTERNATIONAL, LLC	\$1,161,211.39	\$464,620.45		\$669,459.14		\$2,295,290.98				
4. MEGA UNITED	\$907,290.00	\$126,320.00		\$228,260.00		\$1,261,870.00				
GWA Engineer's Estimate		\$2,073,757.14		\$207,567.82		\$352,762.63		\$2,634,087.59		

Bids Opened and Read by:

GLORIA B. BENJAN
(Name and Signature)

Tabulated By:

ERNESTO V. BARIN
(Name and Signature)

GWA Procurement Representative:
ROLAND LUMONGSUD
(Name and Signature)
Feb 16/2019

Witness:

Diego John M.
(Name and Signature)



March 10, 2021

Mr. Zumin Zhang
President
Mega United Corporation, LTD
P.O. Box 8620
Tamuning, Guam 96931

Project: Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement
GWA Project No. M19-001-BND

Subject: Bid Rejection

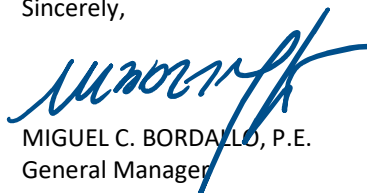
Hafa Adai Mr. Zhang,

This is in response to your letter dated March 9, 2021 advising the Guam Waterworks Authority (GWA) that Mega United Corporation LTD (Mega United) made the decision to decline the above referenced project despite being apparent low bidder. You stated the decision was made due to errors resulting from miscalculations of quantities and material costs for numerous line items submitted in the bid proposal.

Because Mega United is nonresponsive, your bid is hereby rejected and GWA will not award the project to Mega United in accordance with Article 16 – Modification and Withdrawal of Bid, Section 16.03 and Article 19 – Evaluation of Bids and Award of Contract, Section 19.01 as rejecting your bid is in the best interest of GWA.

We are returning herewith your bid security (Bid Bond) in accordance with the bid requirements. Should you have any questions, please submit them in writing to Gloria Bensen of Engineering Division at gpbensan@guamwaterworks.org.

Sincerely,



MIGUEL C. BORDALLO, P.E.
General Manager

Enclosure



Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P.O. Box 3010, Hagåtña, Guam 96932
Tel. No. (671) 300-6846/48 Fax No. (671) 648-3290

March 29, 2021

Ravindra B. Gogineni
Vice President
InfraTech International, LLC
118 Aspengao Ct.
Barrigada, Guam 96913

Project: IFB-02-ENG-2021
Tai Road/S-13 and Canada-Toto-Loop/Blas Street Waterline Replacement
GWA Project No. M19-001-Bond

Subject: Bid Evaluation

Hafa Adai Mr. Gogineni,

This is in response to your email dated March 26, 2021 requesting additional information why InfraTech is not awarded the project when it is the 2nd lowest bidder (Base Bid).

The Guam Waterworks Authority (GWA) and its design consultant carefully evaluated all bids received and decided to award the combined bid (Base Bid, Additive Bid No. 1, and Additive Bid No. 2) to the lowest responsive and responsible bidder who submitted the lowest combined bid and met the requirements of the bid. The determination of award was in accordance with Article 19 – Evaluation of Bids and Award of Contract of the Instruction to Bidders.

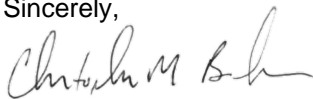
Bid Analysis for InfraTech International, LLC:

1. The Contractor is not licensed with a C-17 (Excavating, Grading & Trenching) and C-37 (Plumbing) classification, which are classifications associated with the type of work to be performed under this project and there is no indication of any major suppliers that might be qualified with these classifications.
2. The Contractor's current and previous experience within the last 5 years only shows a few projects that are utility related, but all are on-going project and have not been completed. None of the projects listed give any indication that they are similar in nature to the work required under this project.
3. The Contractor mis-informed the contact information on the Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement by stating that the Owner is Duenas, Camacho & Associates, instead of Guam Waterworks Authority, and listed the Design Engineer as mi-Tech, instead of HDR, Inc. or HDR Engineering, Inc., whom were the designers for that project.
4. The Contractor is missing Schedule C (Major Equipment) as required under page 8 of Section 00460 – Qualifications Statement.
5. The Contractor only provided “unaudited” balance sheets for the last 3 years and not “audited” balance sheets as required under page 8 of Section 00460 – Qualifications Statement. These “unaudited” balance sheets state to see accompanying review of independent accountants, however, those were not provided.

6. The Contractor did not provide any evidence of authority for individuals to bind organization to an agreement as required under page 8 of Section 00460 – Qualifications Statement.
7. The Contractor did not provide resumes of officers and key individuals (including Safety Officer) of the firm as required under page 8 of Section 00460 – Qualifications Statement.
8. The Contractor did not provide the required safety program submittals or acknowledge that there are none as required under page 6 & 8 of Section 00460 – Qualifications Statement.
9. The bid form submitted by Infratech International, LLC., had one mathematical calculation error in the base bid. Per the Instructions to Bidders, Article 14.01, Item C, the sum total for a unit price bid item shall favor the unit prices provided. In the bid tabulation, the unit prices were held and multiplied against the quantities that were provided in the bid schedule and the new totals were calculated.
10. The bid submitted was less than the engineer's estimate by 56.0% for the base bid and 87.1% for the overall total. The bid supplied was more than the engineer's estimate by 223.8% for additive bid #1 and 189.8% for additive bid #2.
11. This submitted bid for the additive bid #1 and additive bid #2 is considerably higher than expected and the grand total for base bid and all additive bids is this highest amongst all of the bidders.

Should you have any questions, please email Gloria Bengan at gpbengan@guamwaterworks.org within two (2) days after receipt of this letter.

Sincerely,



for:

MIGUEL C. BORDALLO, P.E.
General Manager

MCB/gb

BID FORM

ORIGINAL

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

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

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with Buyer in the form included in the Bidding Documents to furnish the Goods and Special Services as specified or indicated in the Bidding Documents, for the prices and within the times indicated in this Bid, and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 - BIDDER'S ACKNOWLEDGMENTS

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

ARTICLE 3 - BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.	Addendum Date
Addendum No. 1	Feb. 16, 2021
Addendum No. 2	Feb. 17, 2021

B. Bidder has visited the Point of Destination and site where the Goods are to be installed or Special Services will be provided and become familiar with and is satisfied as to the observable local conditions that may affect cost, progress, or the furnishing of Goods and Special Services, if required to do so by the Bidding Documents, or if, in Bidder's judgment, any local condition may affect cost, progress, or the furnishing of Goods and Special Services.

C. Bidder is familiar with and is satisfied as to all Laws and Regulations in effect as of the date of the Bid that may affect cost, progress, and the furnishing of Goods and Special Services.

- D. Bidder has carefully studied, considered, and correlated the information known to Bidder; information commonly known to sellers of similar goods doing business in the locality of the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; information and observations obtained from Bidder's visits, if any, to the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; and any reports and drawings identified in the Bidding Documents regarding the Point of Destination and the site where the Goods will be installed or where Special Services will be provided, with respect to the effect of such information, observations, and documents on the cost, progress, and performance of Seller's obligations under the Bidding Documents.
- E. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution (if any) thereof by Engineer is acceptable to Bidder.
- F. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for furnishing the Goods and Special Services for which this Bid is submitted.

ARTICLE 4 - BIDDER'S CERTIFICATIONS

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Buyer, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Buyer of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Buyer, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process.

ARTICLE 5 - BASIS OF BID

- 5.01 Bidder will furnish the Goods and Special Services in accordance with the Contract Documents for the following price(s):

GUAM WATERWORKS AUTHORITY
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT DESIGN
GWA Project No. M19-001-BND

UNIT PRICE BID FORM

Base Bid Description: Tai Road and Canada-Toto Loop Work

Work consists of replacing an existing 6-inch asbestos cement pipe (ACP) water line with a new 8-inch polyvinyl chloride (PVC) water line and reconnecting all branch water lines, service connections and other water appurtenance connections, and performing disinfection of the new PVC water line and providing temporary traffic control as necessary to complete the work along Tai Road. Additional work consists of reconnecting existing branch water lines, service connections and other water appurtenance connections from an existing 6-inch ACP water line to an existing 12-inch PVC water line along Canada-Toto Loop and providing temporary traffic control as necessary to complete the work along Canada-Toto Loop.

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization	Lump Sum	\$ 228,000.00	1	\$ 228,000.00
2	Erosion Control Measures (Includes silt fence and all other required temporary best management practices necessary to control sediment runoff)	Lump Sum	\$ 40,000.00	1	\$ 40,000.00
3	2" PVC Pressure Pipe (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 145.00	48	\$ 6,960.00
4	6" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 160.00	135	\$ 21,600.00
5	8" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 176.00	3,640	\$ 640,640.00
6	12" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ 600.00	111	\$ 66,600.00

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
7	12" Gate Valve	Ea.	\$ <u>5,000.00</u>	4	\$ <u>20,000.00</u>
8	8" Gate Valve	Ea.	\$ <u>4,500.00</u>	4	\$ <u>18,000.00</u>
9	6" Gate Valve	Ea.	\$ <u>3,800.00</u>	9	\$ <u>34,200.00</u>
10	1" Service Line	Lin. Ft.	\$ <u>87.00</u>	1,264	\$ <u>109,968.00</u>
11	1-1/2" Service Line	Lin. Ft.	\$ <u>92.00</u>	321	\$ <u>29,532.00</u>
12	Reconnection of 3/4" Single Meter Installation on 8-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,750.00</u>	19	\$ <u>52,250.00</u>
13	Reconnection of 3/4" Single Meter Installation on 12-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,920.00</u>	19	\$ <u>55,480.00</u>
14	Reconnection of 3/4" Dual Meter or Multi-Meter Installation on 8-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,850.00</u>	9	\$ <u>25,650.00</u>
15	Reconnection of 3/4" Dual or Multi-Meter Installation on 12-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,980.00</u>	7	\$ <u>20,860.00</u>
16	Reconnection of 2" Water line on 8-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,800.00</u>	3	\$ <u>8,400.00</u>
17	Reconnection of 2" Water line on 12-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,850.00</u>	1	\$ <u>2,850.00</u>
18	Reconnection of Fire Hydrant Assembly on 8-inch Water Main (Includes Tapping Sleeve and all Fittings necessary to make the reconnection)	Ea.	\$ <u>8,000.00</u>	2	\$ <u>16,000.00</u>
19	Reconnection of Fire Hydrant Assembly on 12-inch Water Main (Includes Tapping Sleeve and all Fittings necessary to make the reconnection)	Ea.	\$ <u>8,400.00</u>	2	\$ <u>16,800.00</u>

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
	reconnection)				
20	Fire Hydrant Assembly (Includes 5 L.F of 6-inch PVC lateral service line and all pipe, bends and thrust blocks necessary to complete the installation)	Ea.	\$ <u>6,800.00</u>	3	\$ <u>20,400.00</u>
21	Combination Air Release Valve in Valve Box	Ea.	\$ <u>5,500.00</u>	2	\$ <u>11,000.00</u>
22	Relocate Meter Box and Assembly	Ea.	\$ <u>4,700.00</u>	5	\$ <u>23,500.00</u>
23	Pressure Testing and Disinfection of New Waterline and Service Connections (Tai Rd. and Canada-Toto Loop)	Lump Sum	\$ <u>20,000.00</u>	1	\$ <u>20,000.00</u>
24	Fittings	Tons	\$ <u>8,000.00</u>	2	\$ <u>16,000.00</u>
25	Traffic Control including traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ <u>45,000.00</u>	1	\$ <u>45,000.00</u>
26	As-builts	Lump Sum	\$ <u>5,000.00</u>	1	\$ <u>5,000.00</u>
BASE BID (TOTAL Items 1 through 26, inclusive)					\$ <u>1,554,690.00</u>
<u>(Please write out total bid amount in words below)</u>					
\$ <u>One Million Five Hundred Fifty Four Thousand Six Hundred Ninety Exactly</u>					

GUAM WATERWORKS AUTHORITY
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT DESIGN
GWA Project No. M19-001-BND

UNIT PRICE BID FORM

Additive Bid #1 Description: S-13 Road Work

Replacing an existing 2-inch water line with a new 6-inch water line along S-13 and reconnecting all service connections and other water appurtenance connections.

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization and Demobilization (For additional costs associated with bonding, insurance and permits for this additive bid)	Lump Sum	\$ <u>28,000.00</u>	1	\$ <u>28,000.00</u>
2	Erosion Control Measures (Includes silt fence and all other required temporary best management practices necessary to control sediment runoff)	Lump Sum	\$ <u>3,500.00</u>	1	\$ <u>3,500.00</u>
3	6" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ <u>135.00</u>	680	\$ <u>91,800.00</u>
4	1" Service Line	Lin. Ft.	\$ <u>120.00</u>	112	\$ <u>13,440.00</u>
5	Reconnection of 3/4" Single Meter Installation on 6-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)		\$ <u>1,800.00</u>	5	\$ <u>9,000.00</u>
6	2" Temporary Blowoff Assembly in Vault (Complete in Place)	Lump Sum	\$ <u>5,000.00</u>	1	\$ <u>5,000.00</u>
7	Pressure Testing and Disinfection of New Waterline and Service Connections (S-13 Rd.)	Lump Sum	\$ <u>4,000.00</u>	1	\$ <u>4,000.00</u>

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
8	Fittings	Tons	\$ <u>10,000.00</u>	0.1	\$ <u>1,000.00</u>
9	Traffic Control including traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ <u>4,500.00</u>	1	\$ <u>4,500.00</u>
10	As-builts	Lump Sum	\$ <u>1,800.00</u>	1	\$ <u>1,800.00</u>
<u>ADDITIVE BID #1 (TOTAL Items 1 through 10, inclusive)</u>					\$ <u>162,040.00</u>
<u>(Please write out total bid amount in words below)</u>					
\$ <u>One Hundred Sixty Two Thousand Forty Exactly</u>					

GUAM WATERWORKS AUTHORITY
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT DESIGN
GWA Project No. M19-001-BND

UNIT PRICE BID FORM

Additive Bid #2 Description: Blas Street Work

Work consists of replacing an existing 6-inch ACP water line with a new 6-inch PVC water line along Blas Street and reconnecting all service connections and other water appurtenance connections.

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
1	Mobilization (For additional costs associated with bonding, insurance and permits for this additive bid)	Lump Sum	\$ <u>38,000.00</u>	1	\$ <u>38,000.00</u>
2	Erosion Control Measures (Includes silt fence and all other required temporary best management practices necessary to control sediment runoff)	Lump Sum	\$ <u>8,400.00</u>	1	\$ <u>8,400.00</u>
3	6" PVC Pressure Pipe Class 235 psi (DR 18) (Includes excavation, bedding, pipe, backfill and any necessary asphalt or grass replacement)	Lin. Ft.	\$ <u>85.00</u>	1,152	\$ <u>97,920.00</u>
4	6" Gate Valve	Ea.	\$ <u>3,500.00</u>	1	\$ <u>3,500.00</u>
5	1" Service Line	Lin. Ft.	\$ <u>60.00</u>	142	\$ <u>8,520.00</u>
6	Reconnection of 3/4" Single Meter Installation on 6-inch Water Main (Includes Service Saddle and all Fittings necessary to make the reconnection)	Ea.	\$ <u>2,900.00</u>	6	\$ <u>17,400.00</u>

Item No.	Description	Unit	Unit Price	Qty	Bid Amount
7	Fire Hydrant Assembly (Includes 5 L.F of 6 inch PVC lateral service line and all pipe, bends and thrust blocks necessary to complete the installation)	Ea.	\$ <u>6,800.00</u>	1	\$ <u>6,800.00</u>
8	2" Permanent Blowoff Assembly in Vault (Complete in Place)	Lump Sum	\$ <u>5,200.00</u>	1	\$ <u>5,200.00</u>
9	Combination Air Release Valve in Valve Box	Ea.	\$ <u>5,500.00</u>	2	\$ <u>11,000.00</u>
10	Pressure Testing and Disinfection of New Waterline and Service Connections (Blas St.)	Lump Sum	\$ <u>12,500.00</u>	1	\$ <u>12,500.00</u>
11	Fittings	Tons	\$ <u>8,500.00</u>	0.7	\$ <u>5,950.00</u>
12	Traffic Control including traffic control work, all traffic control devices, placement and removal of devices and detours, cleanup, restoration, and incidentals.	Lump Sum	\$ <u>10,000.00</u>	1	\$ <u>10,000.00</u>
13	As-builts	Lump Sum	\$ <u>3,800.00</u>	1	\$ <u>3,800.00</u>
<u>ADDITIVE BID #2 (TOTAL Items 1 through 13, inclusive)</u>					\$ <u>228,990.00</u>
<u>(Please write out total bid amount in words below)</u>					
\$ <u>Two Hundred Twenty Eight Thousnad Nine Hundred Ninety Exactly</u>					

GUAM WATERWORKS AUTHORITY
TAI ROAD/S-13 AND CANADA-TOTO LOOP/BLAS STREET WATERLINE
REPLACEMENT DESIGN
GWA Project No. M19-001-BND

SUMMARY OF BIDS	
<u>BASE BID (TOTAL Items 1 through 26, inclusive)</u>	\$ <u>1,554,690.00</u>
<u>ADDITIVE BID #1 (TOTAL Items 1 through 10, inclusive)</u>	\$ <u>162,040.00</u>
<u>ADDITIVE BID #2 (TOTAL Items 1 through 13, inclusive)</u>	\$ <u>228,990.00</u>
<u>GRAND TOTAL BASE BID + ADDITIVE BID #1 TO ADDITIVE BID #2</u>	\$ <u>1,945,720.00</u>
<u>(Please write out grand total bid amount in words below)</u>	
\$ <u>One Million Nine Hundred Forty Five Thousand Seven Hundred Twenty Exactly</u>	



GUAM WATERWORKS AUTHORITY

"Better Water, Better Lives."

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

Tel: (671) 300-6846

Issues for Decision

Resolution No. 20-FY2021

Relative to the Creation of the Community Outreach Program Director Position at the Guam Waterworks Authority (GWA).

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

Objective is to create the Community Outreach Program Director – GWA job standards and salary range based on the 20th market percentile, 2017 market data; The position is needed to oversee and direct a voluntary workforce dedicated to public outreach and education to assist in advancing various GWA program goals and objectives.

The Authority does not currently employ a Community Outreach Program Director, thus limiting effective operation and responsiveness, requiring communications and outreach directly by the Assistant General Manager – Administration & Support, while at the same time, impacting effectiveness of Managers, who are responsible for addressing the various water/wastewater program needs to serve our community in line with adopted Levels-of-Service goals.

Upon approval of this creation, the position will be added to GWA's Drug and Alcohol-Free Workplace Policy as a Testing Designated Position (TDP) list, subject to random drug testing.

Where is the location?

The Community Outreach Program Director – GWA position will be organizationally located within the Administrative Division.

How much will it cost?

There is no cost to create the position.

When will it be completed?

Public Law 28-159, Section 7.0.3 (c) requires GPA and GWA to post a petition on their websites for ten (10) days (not including Saturdays, Sundays and government of Guam holidays. GWA has met the posting requirements and the position creation can be acted upon by the CCU at the April 7, 2021 Board meeting.

What is the funding source?

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

The RFP/BID responses (if applicable)

N/A



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

RESOLUTION NO. 20-FY2021

**APPROVAL OF THE CREATION OF THE COMMUNITY OUTREACH PROGRAM
DIRECTOR – GUAM WATERWORKS AUTHORITY
JOB CLASSIFICATION STANDARD**

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

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

WHEREAS, the GWA General Manager requests the CCU to approve the creation of the Community Outreach Program Director position in the classified status (Exhibit A); and

WHEREAS, the GWA General Manager requests the CCU to approve the job classification standards of the Community Outreach Program Director position in the classified status; and

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

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

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//

1 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities,
2 as the Governing Body of the Guam Waterworks Authority, does hereby approve and authorize
3 the following:

- 4 1. The recitals set forth above hereby constitute the findings of the CCU.
- 5 2. The creation of the job classification standard for the Community Outreach
6 Program Director position in the classified status is hereby approved and
7 attached herein as Exhibit A.
- 8 3. The Community Outreach Program Director position is hereby added to the
9 certified, technical and professional (CTP) list of positions and testing
10 designated positions (TDP) list at GWA, subject to random drug testing.

11 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the
12 adoption of this Resolution.
13

14 **DULY AND REGULARLY ADOPTED**, this 27th day of April 2021.
15

16
17 Certified by:

Attested by:

18
19 _____
20 **JOSEPH T. DUENAS**
21 Chairperson

22 **MICHAEL T. LIMTIACO**
23 Secretary

24 //

25 //

26 //

27 //

28 //
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30
31
32

SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSENT: _____

ABSTAIN: _____

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Exhibit A

COMMUNITY OUTREACH PROGRAM DIRECTOR – GUAM WATERWORKS AUTHORITY

NATURE OF WORK IN THIS CLASS:

Handles the day-to-day operations of various Water, Wastewater, and Customer Service outreach programs and activities not limited to: recruitment and selection of program volunteers, orientation and organizational familiarization, federal grant administration and project management, planning, developing, organizing and implementing programs that are focused on solving community problems through education and public outreach.

ILLUSTRATIVE EXAMPLES OF WORK:

- Develops, implements, maintains and improves Water, Wastewater and Customer Service education and outreach programs.
- Lead recruitment and selection efforts, ensuring that all program volunteer positions are filled.
- Oversee administrative tasks such as maintaining volunteer files, approving volunteer timesheets and reimbursements, and coordinating logistics for trainings and events.
- Manage accurate and timely data collection across all programs and assure timely report submissions.
- Coordinate evaluation and continuous efforts to improve volunteer service delivery and community experience.
- Create and maintain calendars of events not limited to: workshops, appearances, community events and communication opportunities to promote GWA and its partnership with the community.
- Serves as the Authority's liaison: advocating for the organization while promoting positive relationships between all stakeholders, incorporating GWA's values and vision into daily activities.
- Develops, administers and implements effective communications and outreach plans and strategies for GWA's Outreach Program to broaden community awareness.
- Evaluates impact of community outreach program outcomes.
- Establish budget and funding source(s) for education and outreach programs through grants, available technical assistance and other outside sources.
- Develops updates and implements Water conservation and demand management programs, guidelines and policies consistent with management's plans and directions.
- Formulates, and develops comprehensive public notices regarding GWA programs via brochures, , social media, emails, campaigns and attendance in community events.
- Supervise, coach and evaluate the performance of subordinates.
- Performs other related duties as required.

KNOWLEDGE, ABILITIES AND SKILLS

- Knowledge of the principles and practices of public relations and outreach.
- Knowledge of the methods and techniques of various media such as photography, printing processes, and videography.
- Knowledge of budget preparation and presentation.
- Demonstrated ability to build strong, productive relationships with diverse individuals and organizations to achieve common goals.
- Ability to communicate and work effectively, both orally and in writing with the public and employees.
- Ability to learn the Authority's programs, policies, services and operations to effectively conduct outreach programs and initiatives.
- Strong organizational and administrative skills and attention to detail.
- Ability to prepare, analyze, edit and revise information material.

Community Outreach Program Director – Guam Waterworks Authority

1 of 2

- Ability to maintain program records and prepare reports.
- Ability to effectively supervise, coach and evaluate performance of subordinates.
- Skills in identifying strategies to develop effective outreach programs, guidelines, policies consistent with management's recommendations and directions.
- Strong computer and internet skills.
- Flexibility, resourcefulness, positive attitude, and proven ability to problem solve.
- Skill in the safe operation of a motor vehicle.

MINIMUM EXPERIENCE AND TRAINING:

- A. Graduation from a recognized college or university with a Bachelor's Degree in Communications, Marketing, Media, Business or Public Administration; **AND**
- B. Five (5) years of experience in public relations field; **OR**
- C. Any equivalent combination of experience, training, and certification requirements, which provides the minimum knowledge, abilities, and skills.

NECESSARY SPECIAL QUALIFICATION:

Possession of a valid Guam Driver's License.

ESTABLISHED: APRIL 2021

JE POINTS: 1014

IMPLEMENTATION RANGE: MINIMUM: N4-A; \$83,126 MAXIMUM: N5-A \$86,502

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities



Management Report

GWA CCU Work Session, April 20, 2021



GWA Workforce availability as of April 14, 2021

Healthy	353	96.2%
Sick, not COVID-19 related	3	0.8%
COVID-19 Quarantined	1	0.3%
COVID-19 Medical Risk		0.0%
Military Leave	9	2.5%
LTD	1	0.3%
	367	100%

Total		
Healthy/Reporting for duty at worksite	342	93.2%
Healthy/Reporting for duty - Part Teleworking and Part Reporting for duty at worksite	3	0.8%
Healthy/Reporting for duty - Teleworking	8	2.2%
Employee sick - symptoms unrelated to COVID-19	3	0.8%
Military Leave	9	2.5%
LTD/Workers Comp	1	0.3%
Employee sick - symptoms related to COVID-19	1	0.3%
	367	100%

GWA Workforce Vaccine Status as of April 14, 2021

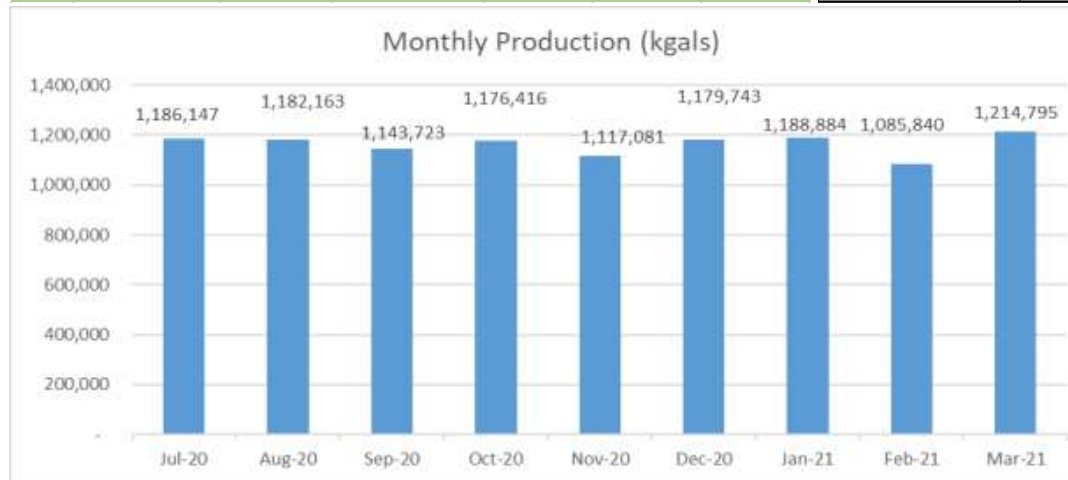
One Shot Remaining	55	14.99%
Fully Vaccinated	142	38.69%
Did Not Receive Shot	170	46.32%
	367	100.00%

Operations Update

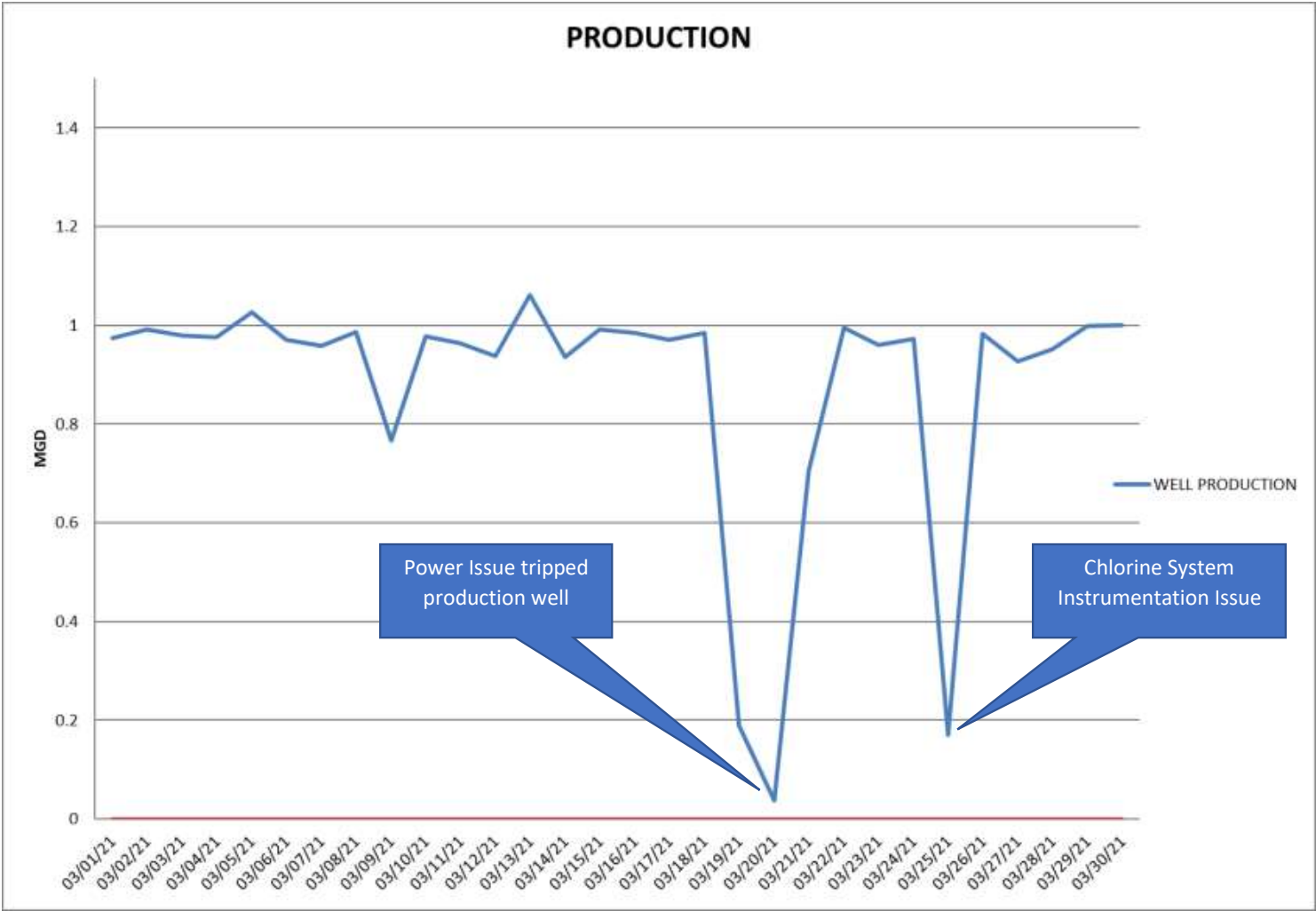
Production (March 2021)

Monthly Production Summary - March 2021				
Deep Wells			35.8 MGD	
Active wells =	96	of 120		
Avg days in operation =	31	days		
Total Production =	1,110,403	Kgals		
Springs			0.24 MGD	
Avg days in operation =	31	days		
Total Production =	7564	Kgals		
Ugum Surface Water Plant			2.2 MGD	
Avg days in operation =	31	days		
Total Production =	69,532	Kgals		
Tumon Maui Well			0.88 MGD	
Avg days in operation =	31	days		
Total Production =	27,296	Kgals		
			1,214,795	39.2 MGD

DW Status as of 3/31/2021		
Active	96	
Grounded motor or Pump Failure	12	A26-D03-D04-F06-F08-F13-F15-M17A-M23-Y09-Y16-Y20
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Temporarily Secured	2	A23-A25
Standby	2	A29-F05
TOTAL	120	

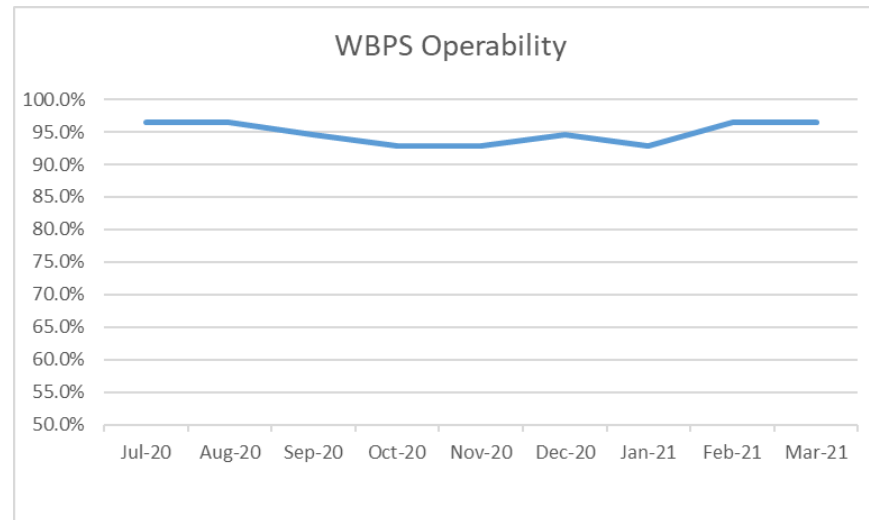


Tumon Maui Well Production (March 2021)

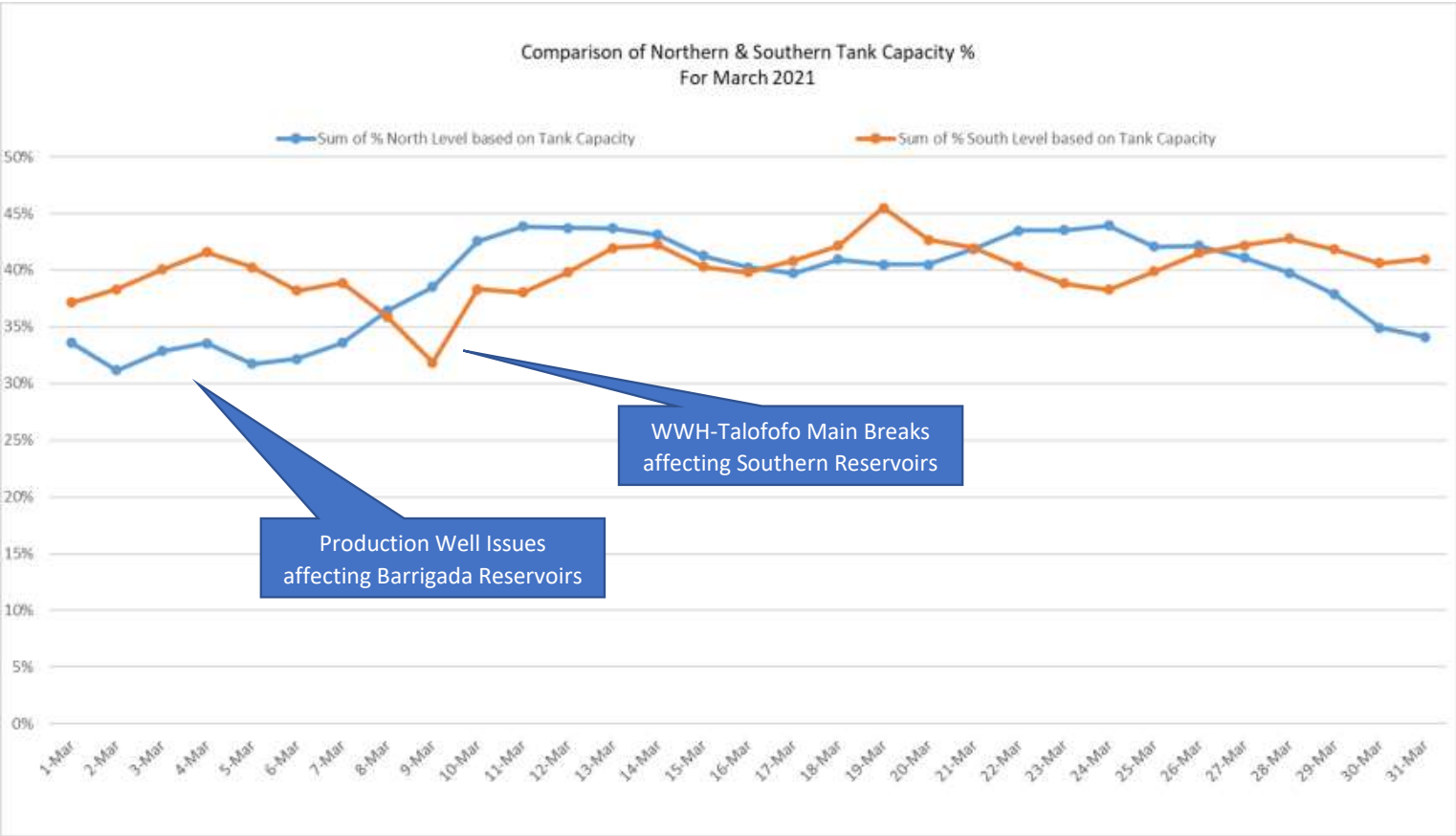


Distribution (March 2021)

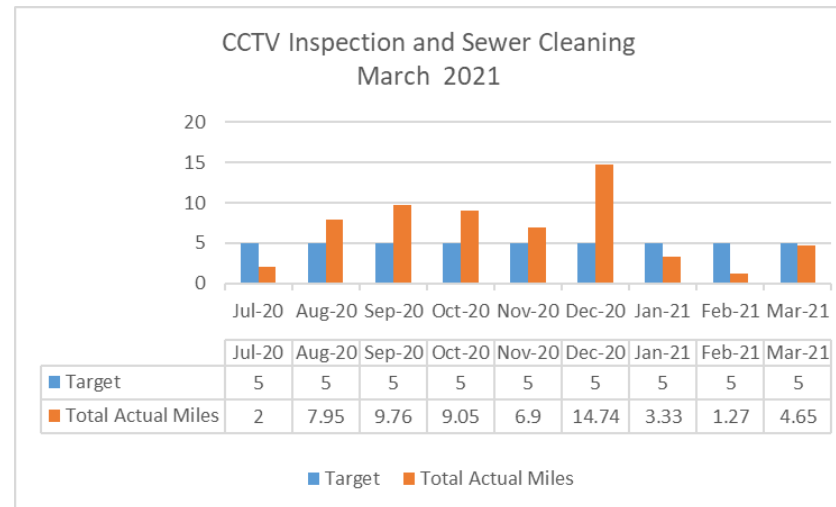
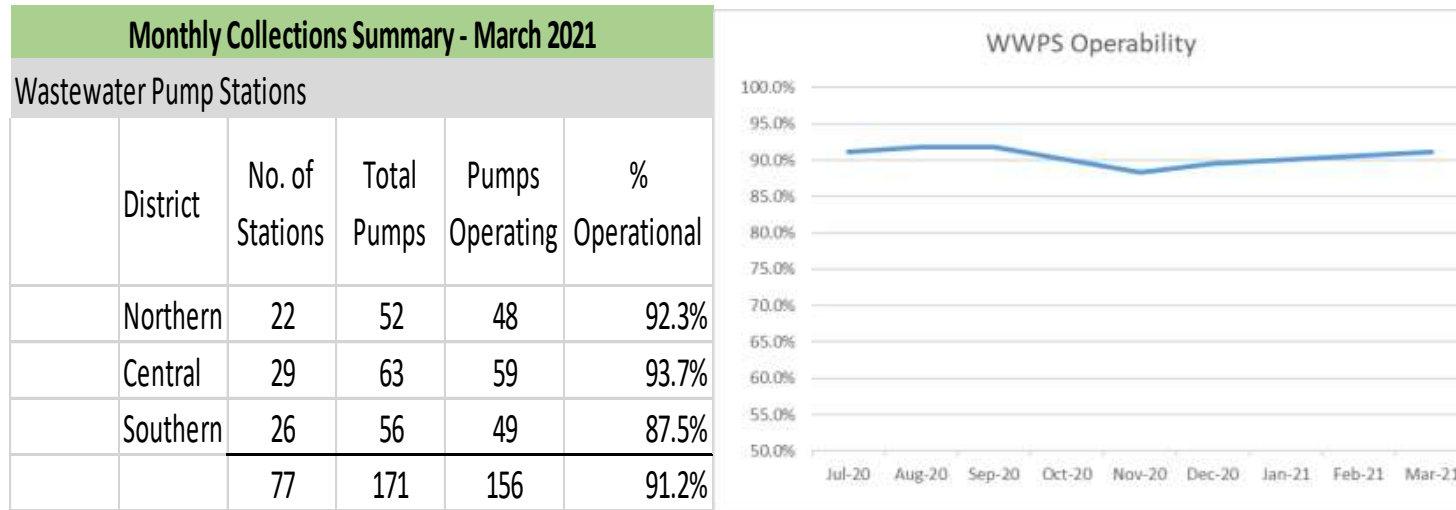
Monthly Distribution Summary - March 2021					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	25	96.2%
	Central	7	14	13	92.9%
	Southern	7	16	16	100.0%
		27	56	54	96.4%



Distribution – Tank Levels (March 2021)



Wastewater Collections (March 2021)



Wastewater Collections –Cleaning/Jetting (March 2021)

Yigo



Anigua



Wastewater Collections –Cleaning/Jetting (March 2021)

Barrigada Route 10 to Mangilao



Mangilao Route 10 to Chalan Pago



Wastewater Collections –Cleaning/Jetting (March 2021)

Sinajana

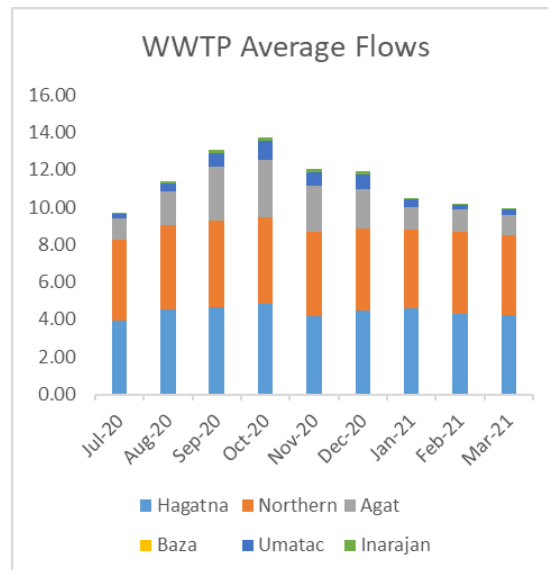


Agana



Wastewater Treatment (March 2021)

Monthly Wastewater Treatment Summary - March 2021				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	4.26	779,180	\$ 70,126
	Northern	4.24	747,440	\$ 67,270
	Agat	1.1	19,240	\$ 1,732
	Baza	0		
	Umatac	0.27		
	Inarajan	0.08		
		9.95	1,545,860	\$ 139,128

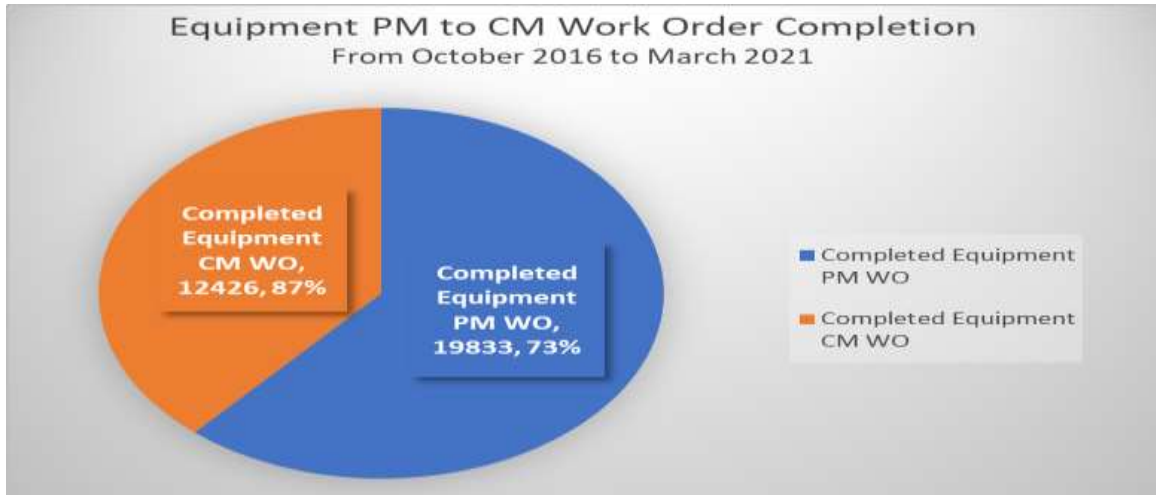


Asset Management (through March 2021)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

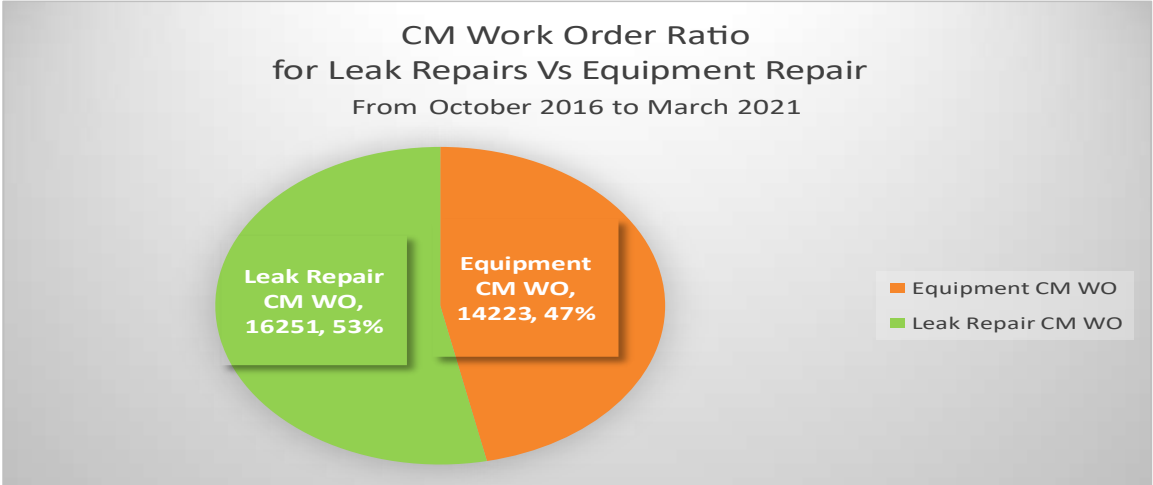


II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*

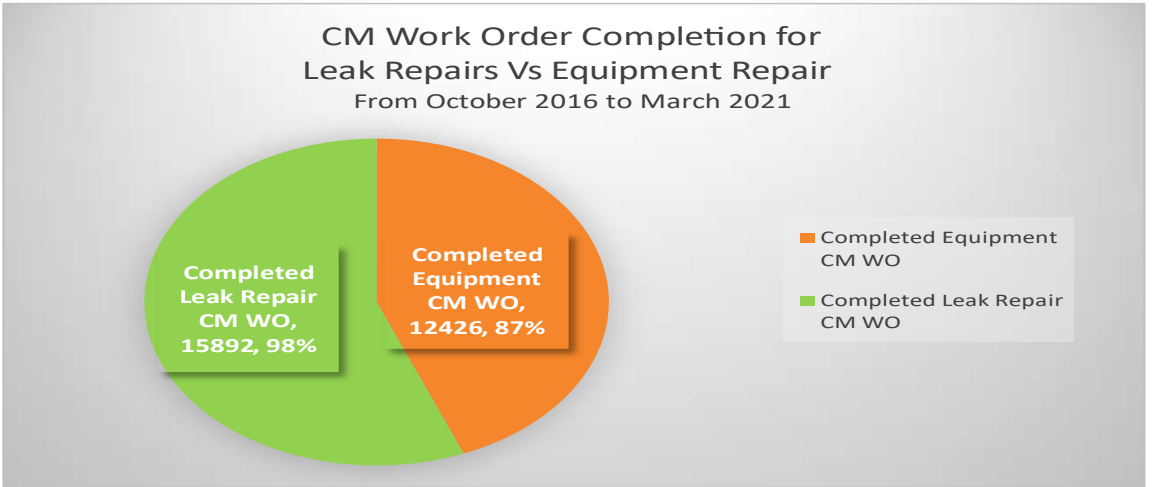


Asset Management (March 2021)

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 March 2021)

- 01- TMW
 - Next inspection is scheduled in April/May. Date not yet determined.
 - Letter requesting pumping rates for TMW from 800 to 900 gpm was sent to DOD. Waiting on response.
- 04-OEA Projects
 - Observation Wells/NGLA
 - Temporary Construction Easement (TCE) – GWA has not signed the TCES; still pending re-bid / contract award.
 - MOA for monitoring well maintenance - with WERI is still pending the final determination of cost split;
 - GWA and DOD have met with WERI/USGS to discuss cost for long term data collection and analysis for the project. Final conditions and cost will be included in an MOA. Draft will be sent to GWA once cost information is finalized.
- 05-Water to Camp Blaz
 - No update. GWA is waiting for a formal request from the Marines on when Camp Blaz needs the water, how much and duration.
- 06-Strategy/Framework Discussion – Proposed Projects for continued discussion for interoperability
 - Route 16 Intertie – DOD is requesting 400 gpm from GWA along Route 16. GWA is able to accommodate this request. DOD will provide information on the location and layout of the meter for GWA to review.
 - Santa Rosa Intertie – no update
 - Andy South Intertie is at Tank 4 towards Route 15. GWA and DOD exchanged maps of lines in the area with each other.
- 07-Property Transfers
 - Transfer of Navy Laterals at Murray Road to GWA: DOD is working on the documents. GWA needs to completed an Environmental Condition of Property (ECP) to move forward. DOD already completed one for this property. DOD will confirm if the existing ECP is sufficient to move forward. Update will be provided at the April One Guam Meeting.
- 30-Other
 - Umatac / Cetti Bay Easement: No update.
 - PRV Meter Vault location near Route 1 and Route 3 Intersection
 - DOD is requesting flexibility in relocating the meter further west along Marine Corp. Drive. The closest parcel owned by DOD is the Harmon Booster Pump Station, which is currently being used by GPA. GPA will need to provide authorization to GWA on whether this is a viable option.

Court Order Summary (March 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%	

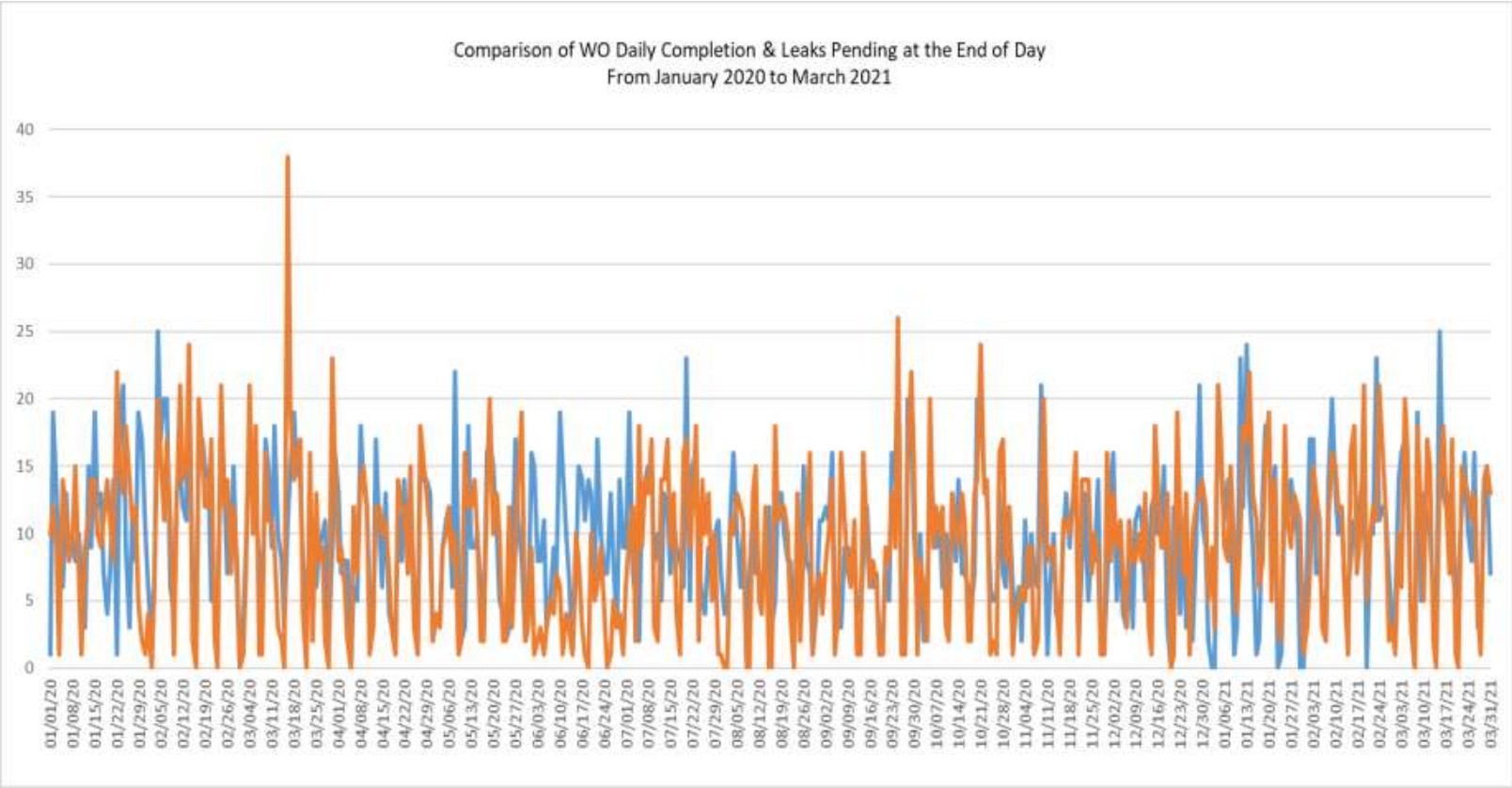
Court Order – Status Information (February 2021)

- No CO delays due to approval of CO extension. That makes us 98.9% done with the CO.
 - Final Date to complete CO 29(b) is June 30, 2023.
- Overflow or Bypass events reported to USEPA (for March 2021):
 - March 2, 2021 - SSO#391 Aga Drive, Hyundai Santa Rita – FOG
 - March 27, 2021 - SSO#404 Sister Eucharita Street, Yona – FOG
 - April 5, 2021 - SSO#410 S. Melindes Ct. – Ligan Terrace manhole SSO-FOG

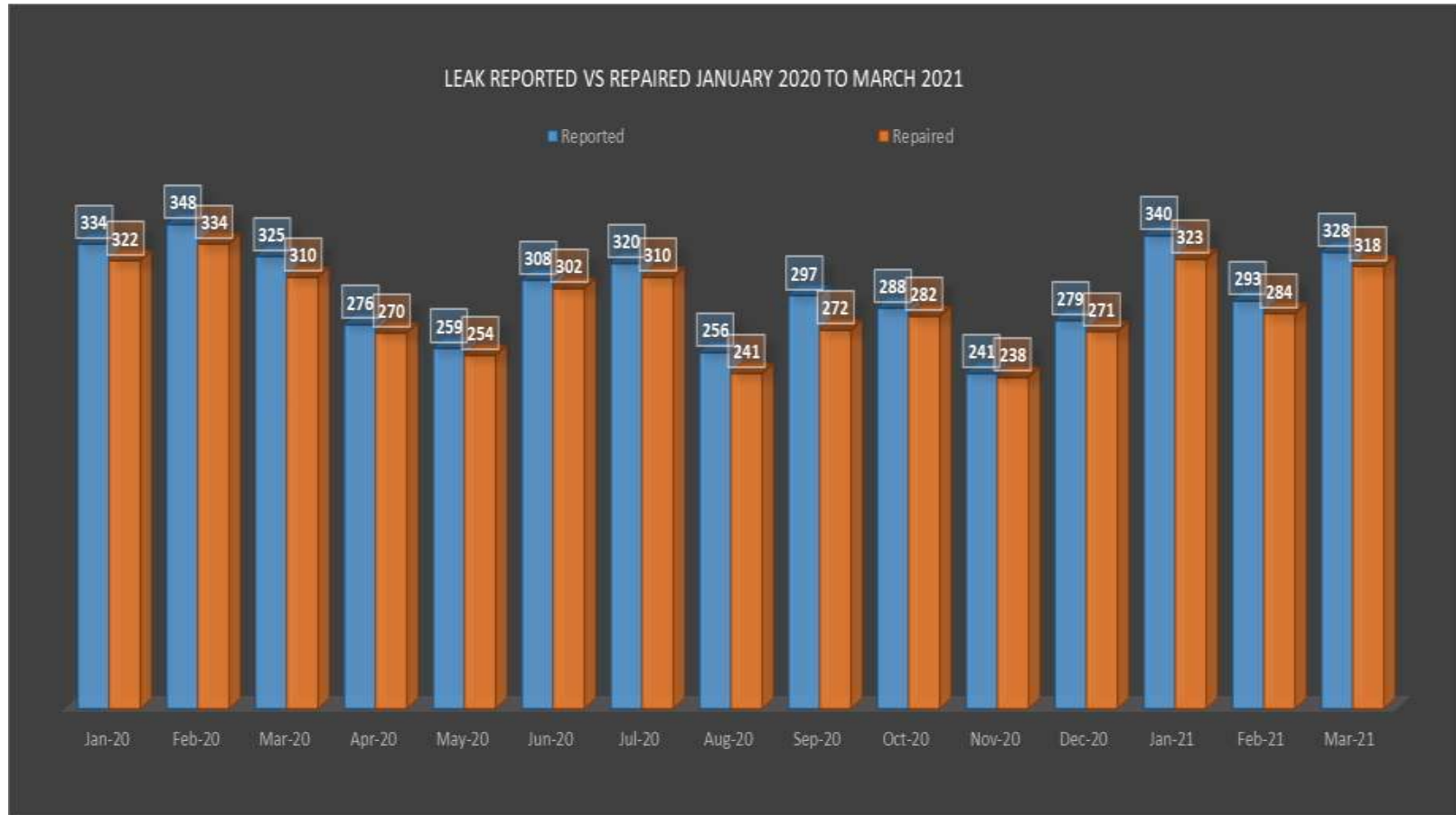
Land Acquisition Summary (through March 2021)

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. 3 rd follow up update status request emailed to DLM 12/14/2020. Land Registration process is still pending from AG office per DLM 04/09/2021.
	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	Petition to Approve Sale sent, waiting for hearing date with Superior Court, per family Attorney on 03/16/2021.
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 to proceed with survey work for parceling of AG-12 property 01/25/2021.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19. Letter of Decision to CLTC being drafted for land purchase acquisition 04/09/2021.
Asan Springs	Asan	Federal	In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment will be developed. The permit for the biological survey was submitted on 6/12/2020 and was signed by NPS on 1/22/2021. Further coordination between NPS and SHPO is pending to determine necessary approach for an archaeological survey. February 10, 2021 – Biological Survey at Asan Springs project site was performed, HDR report of findings is pending. However, 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. Pending archaeological survey requirements from SHPO.

Leak Repair Summary (through March 2021)



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



Monthly Leak Report Cost (through March 2021)



Assumptions:

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



GWA Financial Overview

MARCH 2021





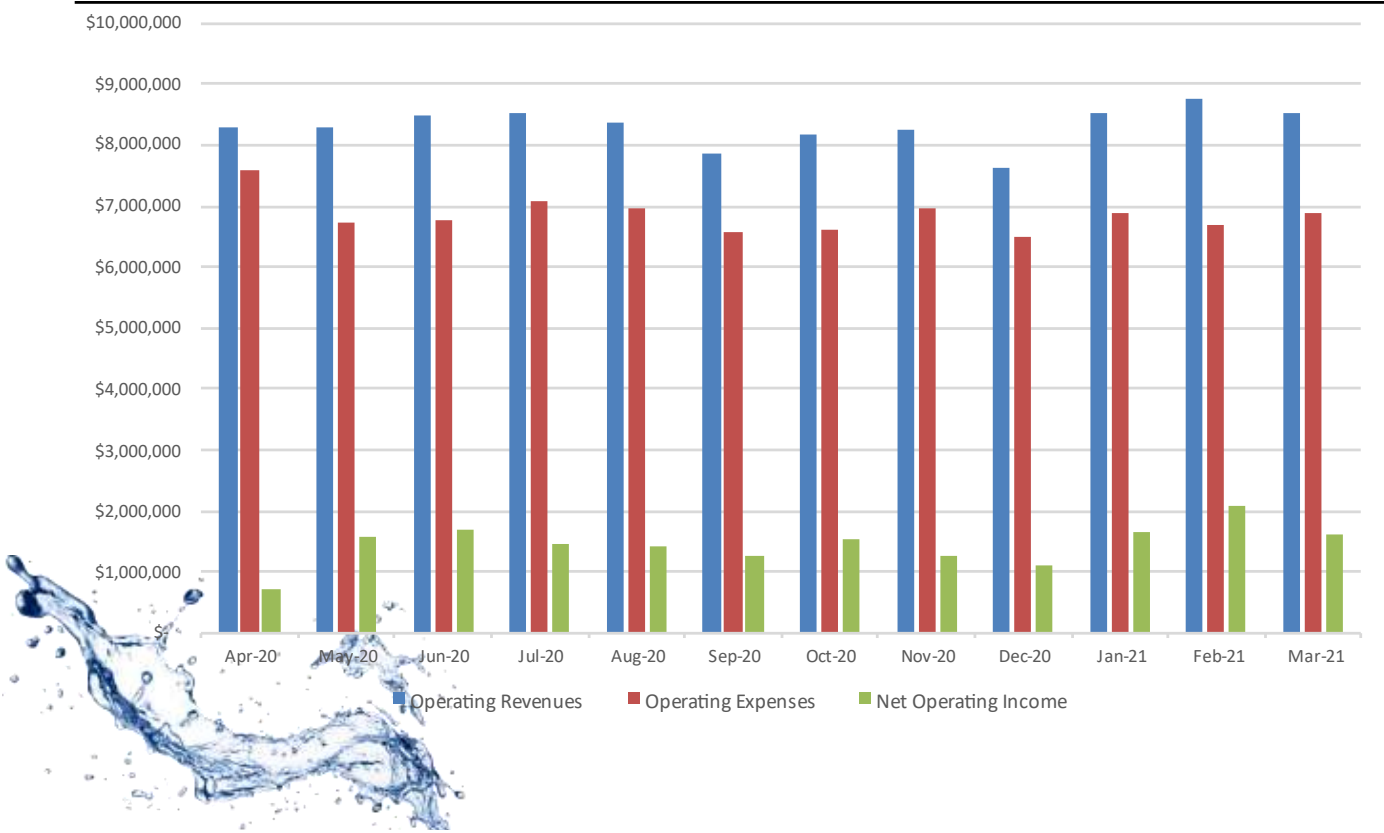
Key Financial Indicators

Indicator	Target	Feb-21	Mar-21
DSC YTD			
• Per Section 6.1.2 of Indenture	1.25	1.34	1.33
• Per PUC / CCU	1.40	1.34	1.33
Days – Cash on Hand	120 days	293 days	291 days
Collection Ratio			
• Month to Date	99%	97%	100%
• Year to Date	99%	95%	96%
Days Billed	30 days	29 days	29 days
Account Receivable Days	30 days	49 days	48 days
Account Payable Days	45 days	32 days	34 days
Employee Count	400 FTE	370 FTE	365 FTE
Water Demand			
• Month to Date	478,754	438,854	450,669
• Year to Date	2,872,525	2,199,768	2,650,438
Wastewater Flow			
• Month to Date	356,472	320,727	309,455
• Year to Date	2,138,834	1,565,754	1,875,208
Water Customers	42,839	43,202	43,306
Wastewater Customers	29,805	29,867	29,830



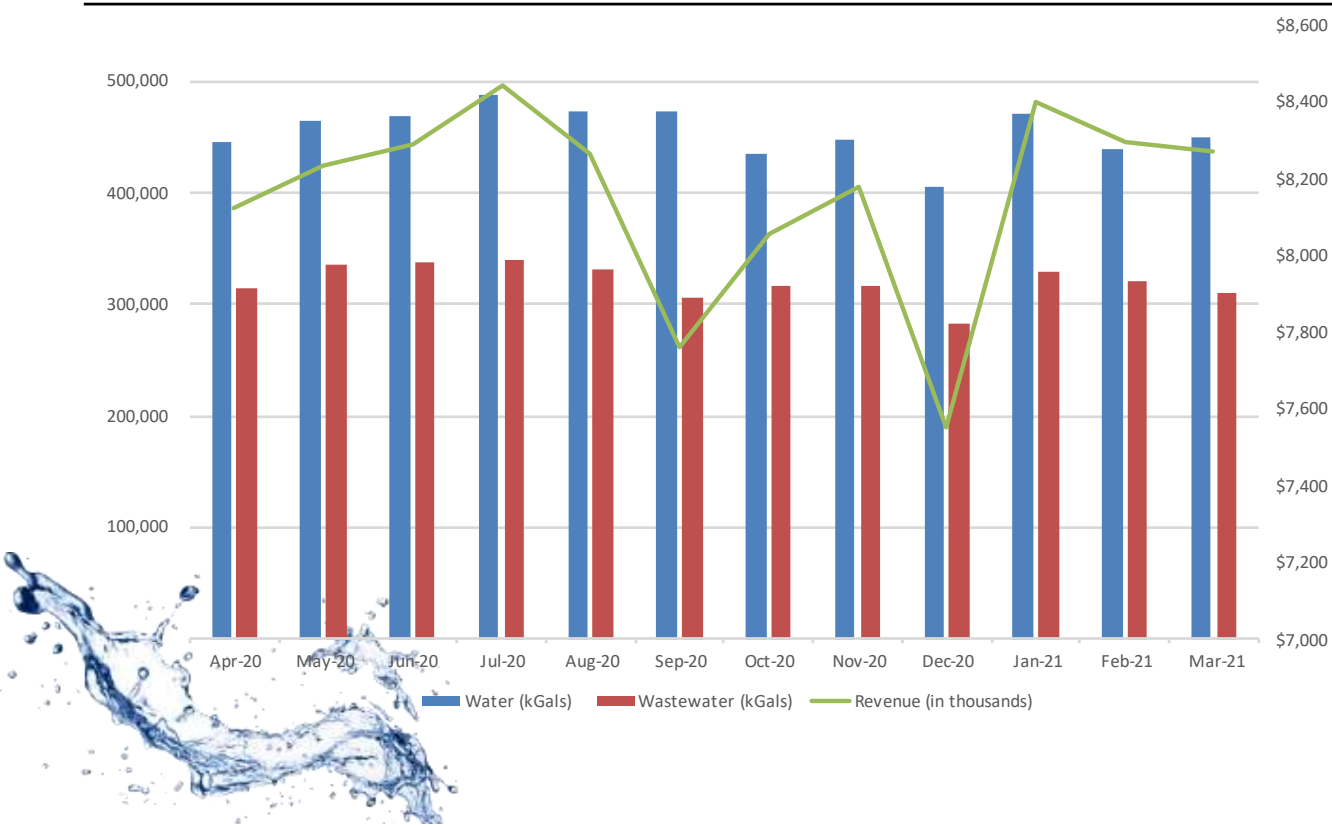


Income Statement



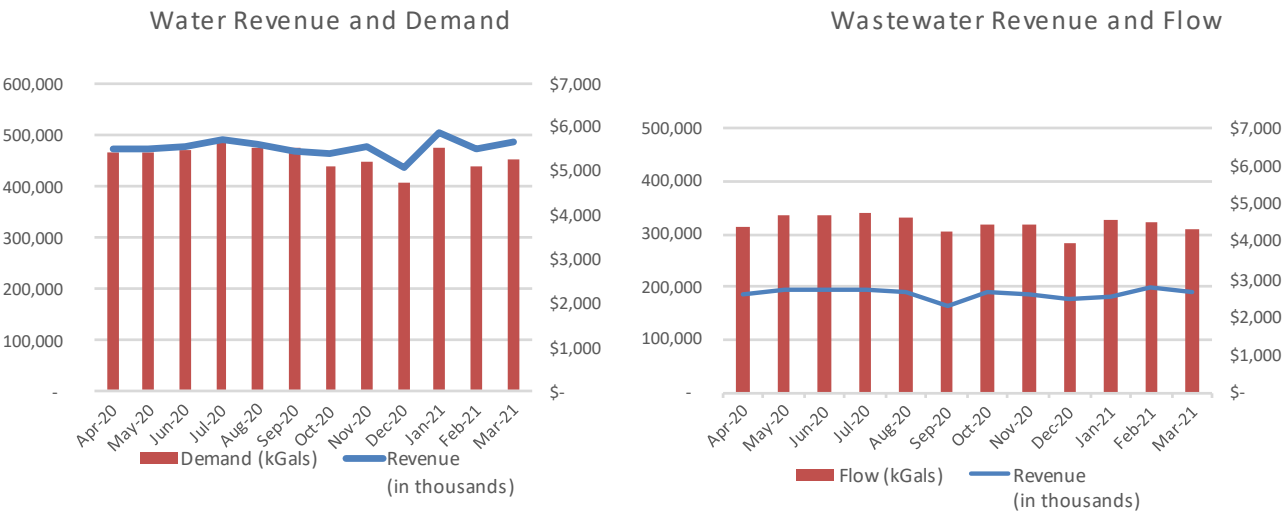


Overall Revenues and Demand



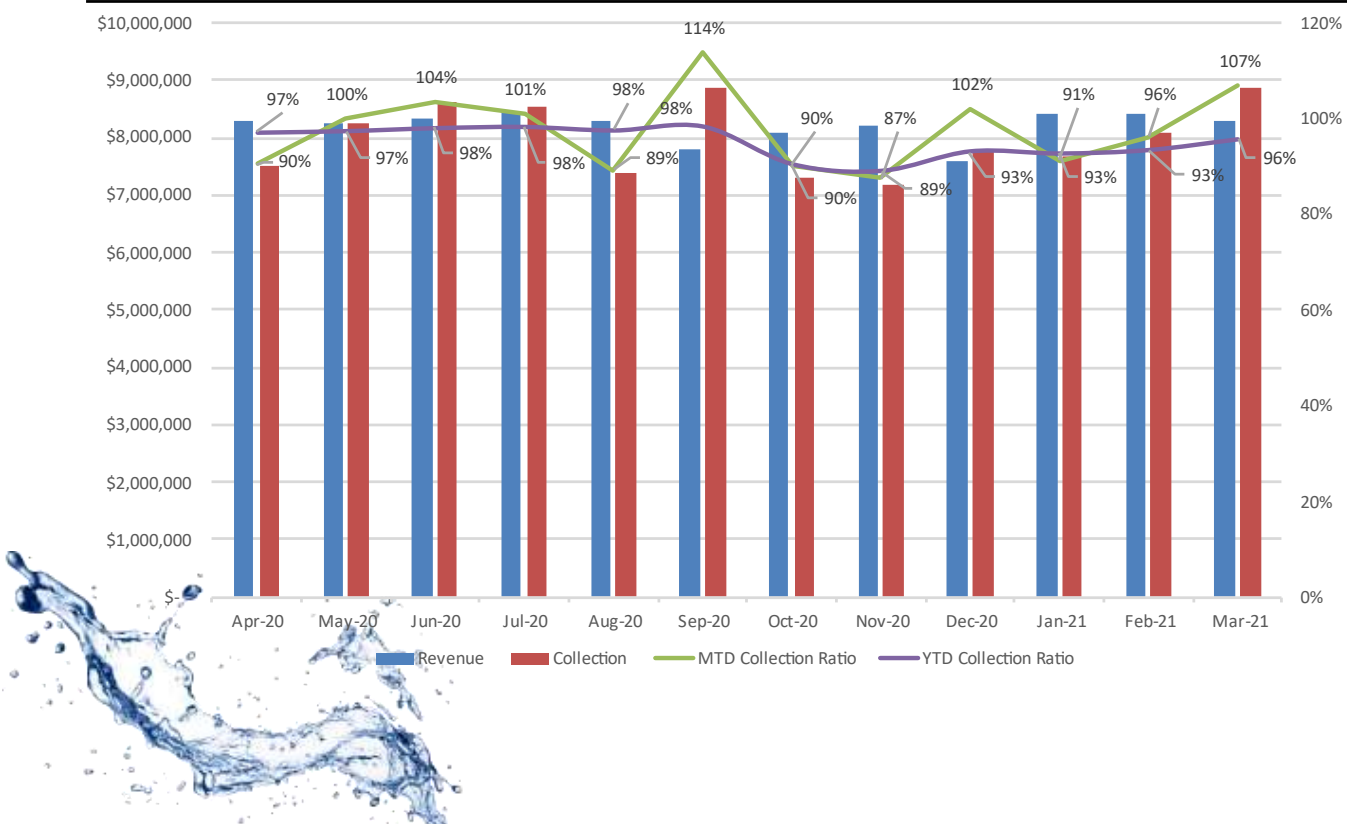


Revenues and Demand



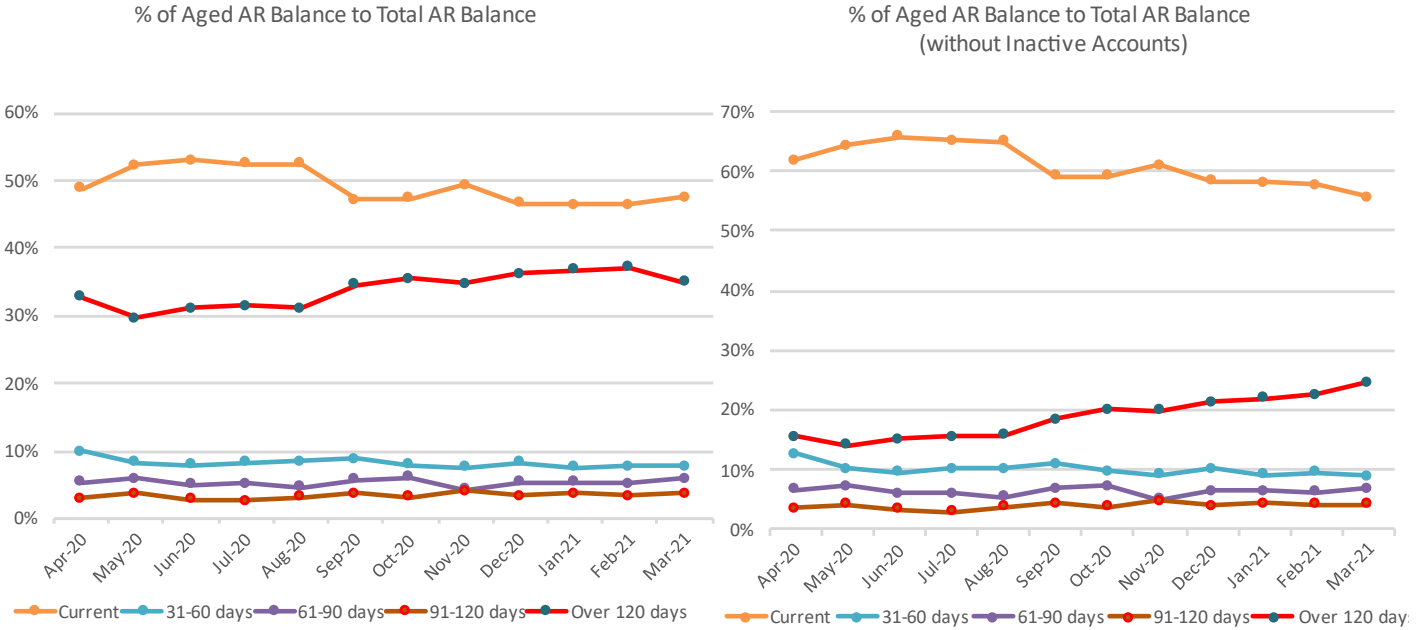


Overall Revenues and Collections



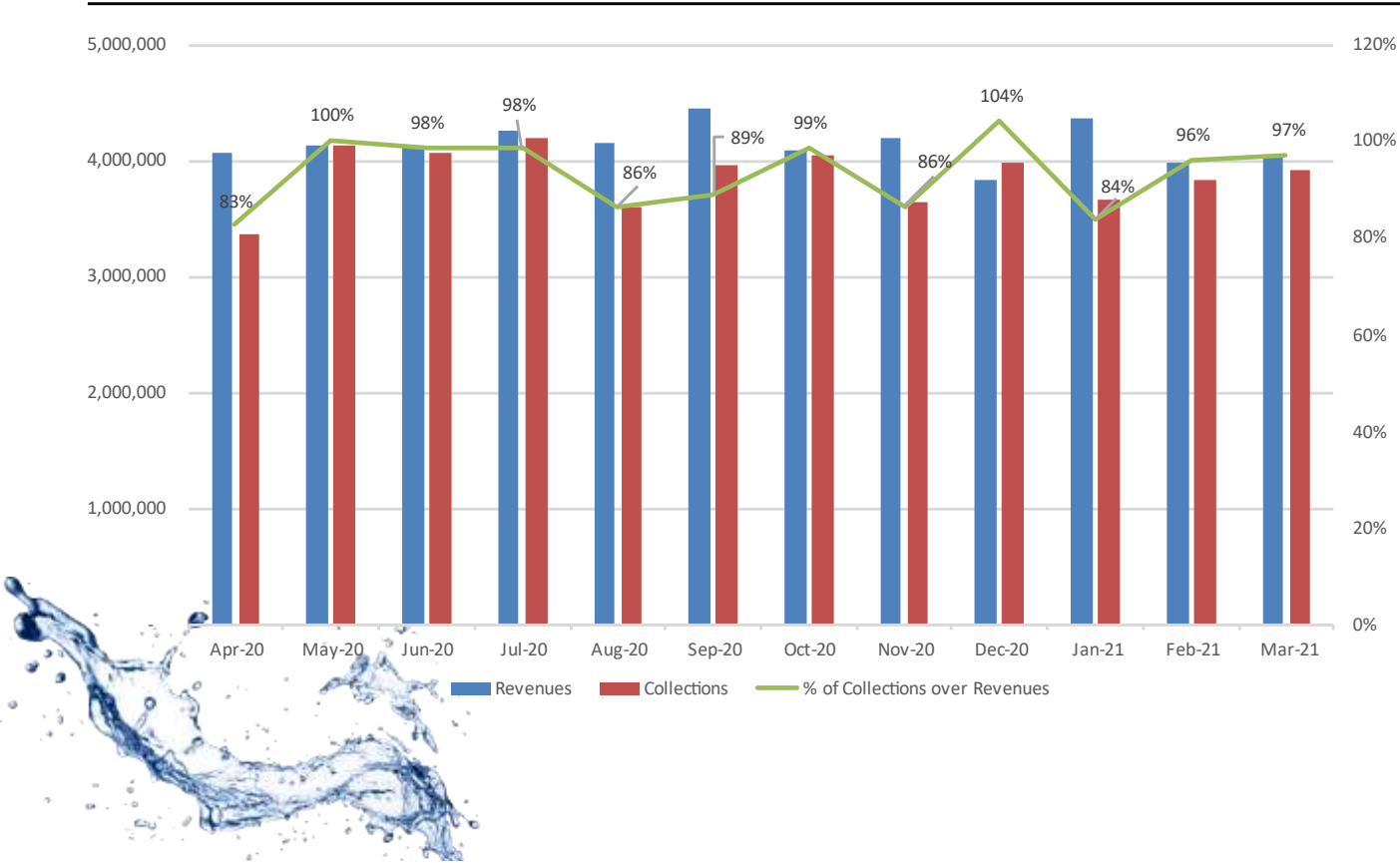


Overall – AR Aging



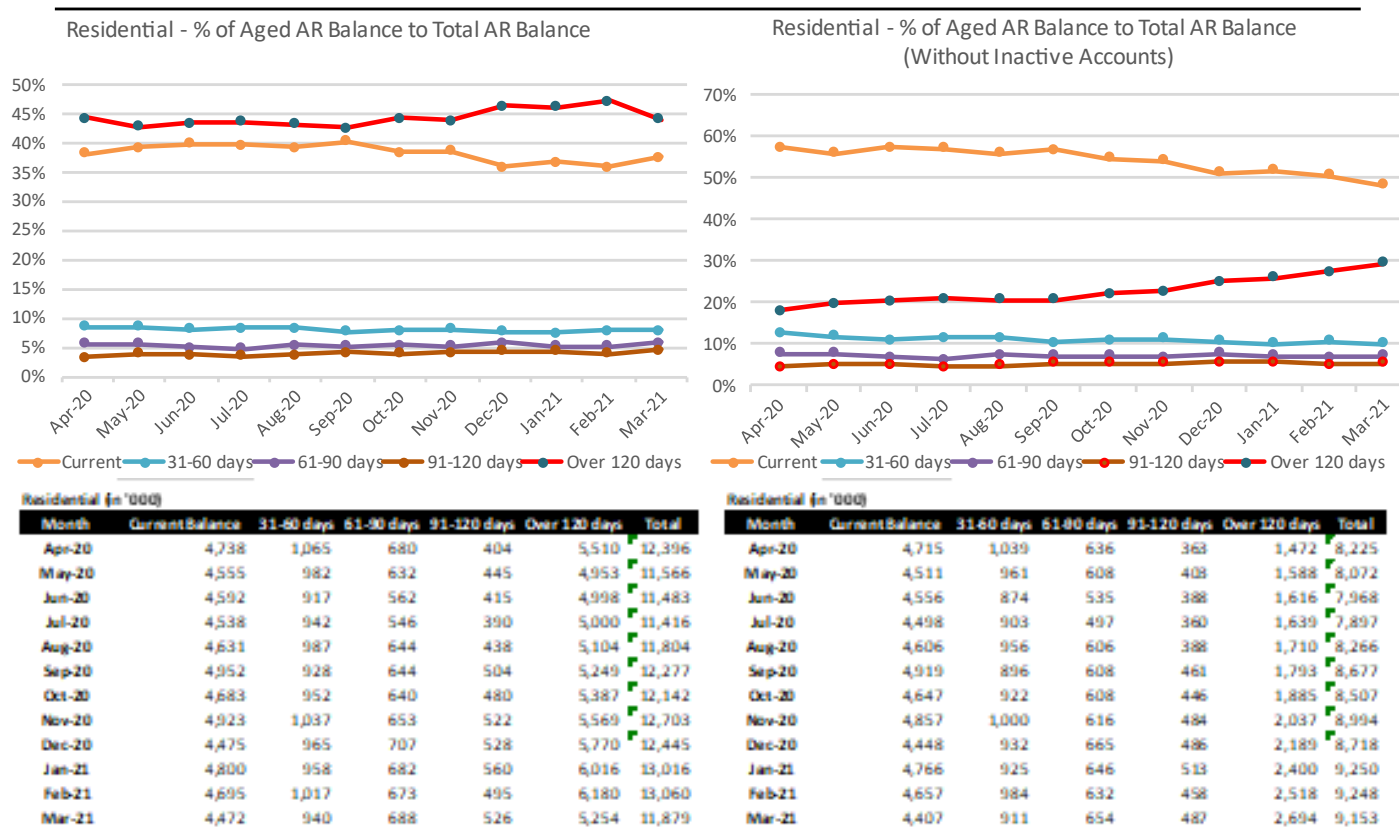


Residential Revenues and Collections



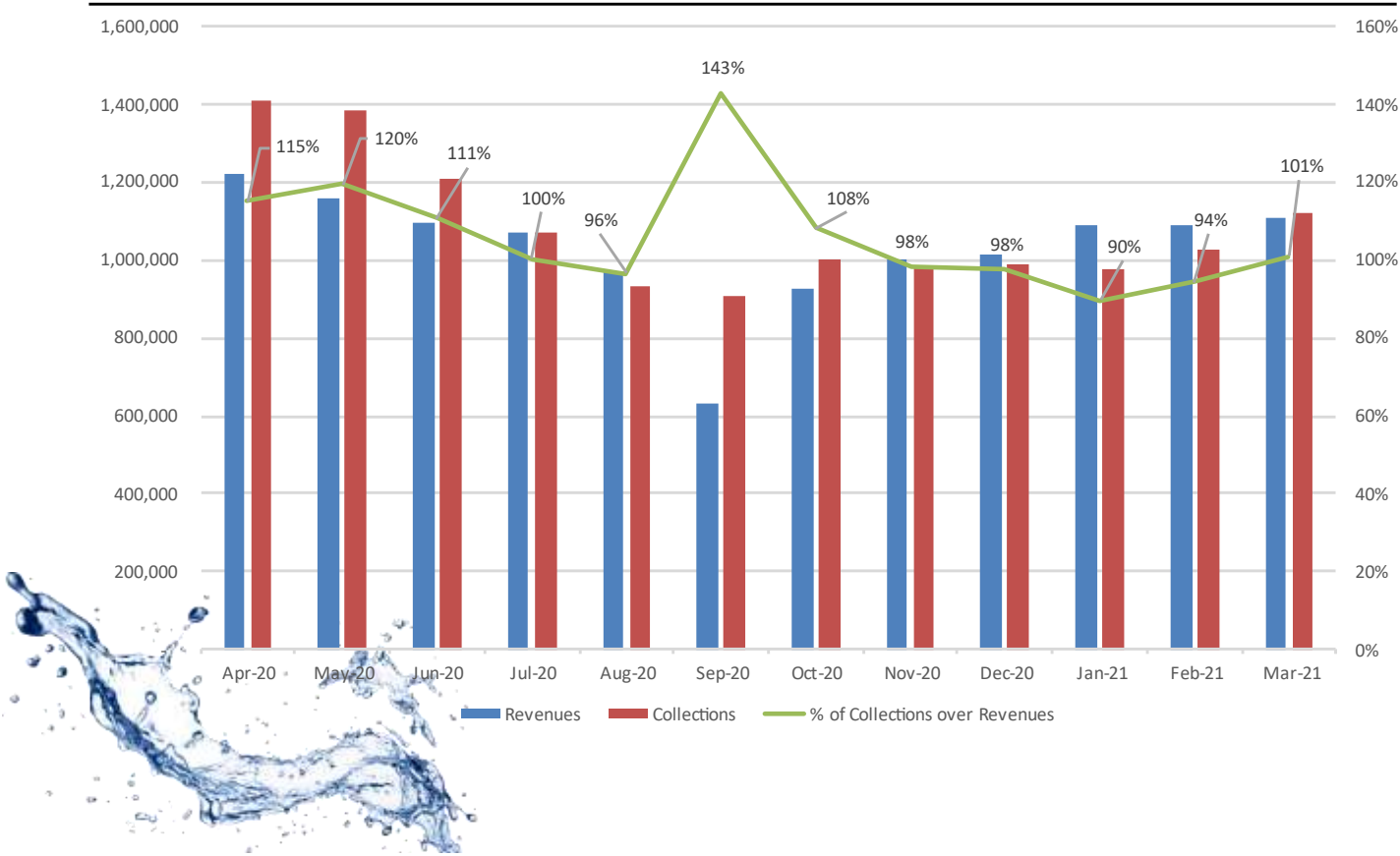


Residential - AR Aging



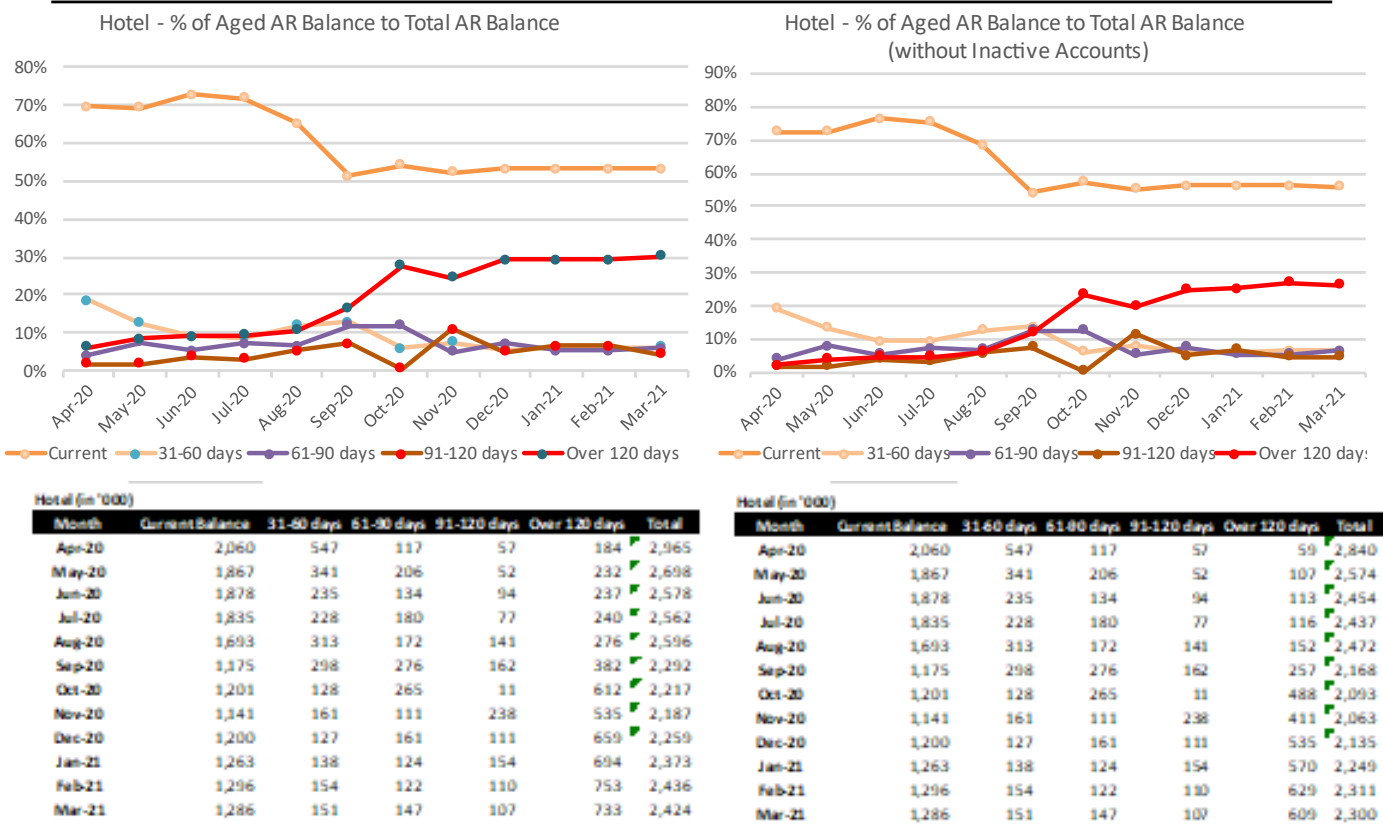


Hotel Revenues and Collections



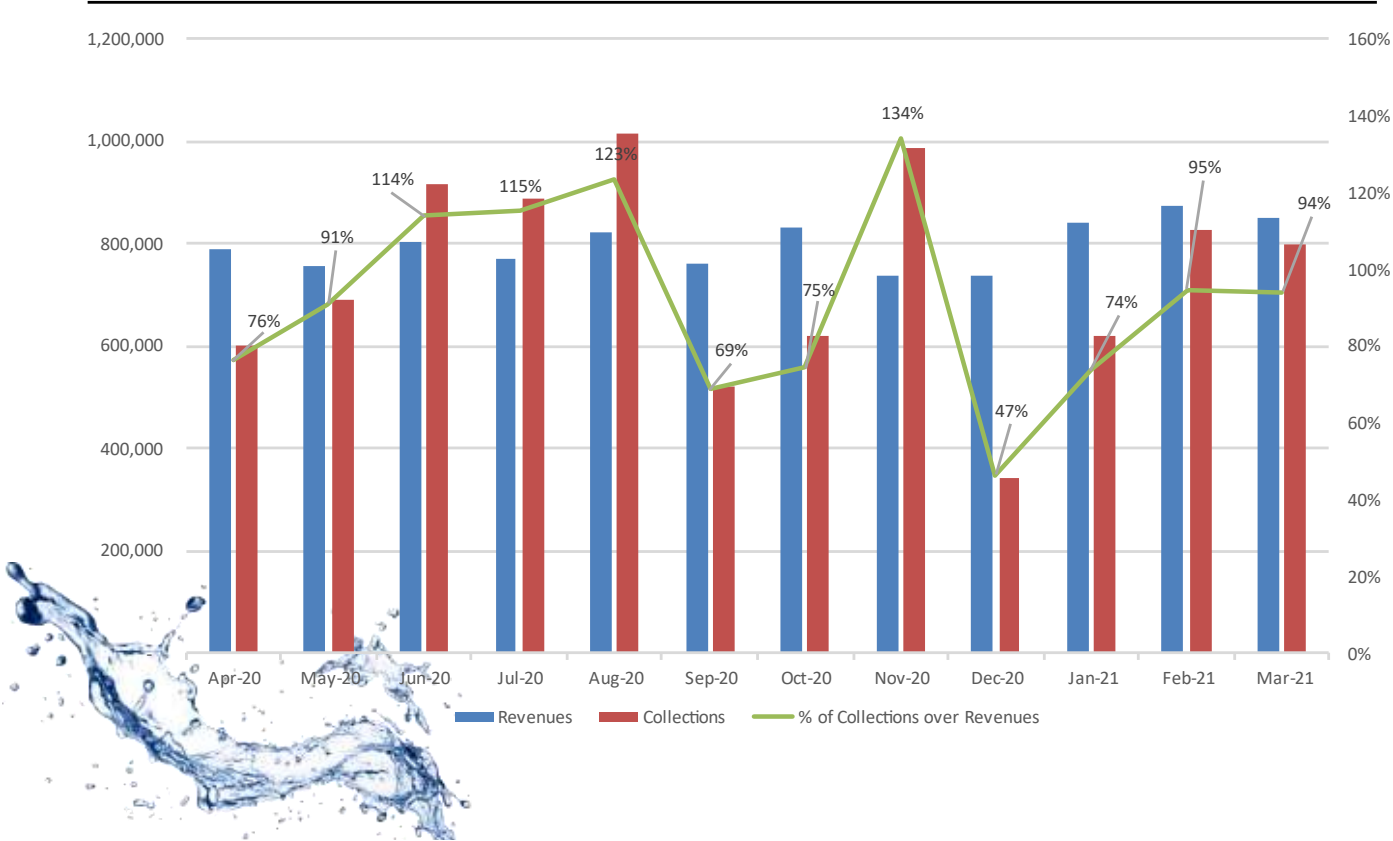


Hotel – AR Aging



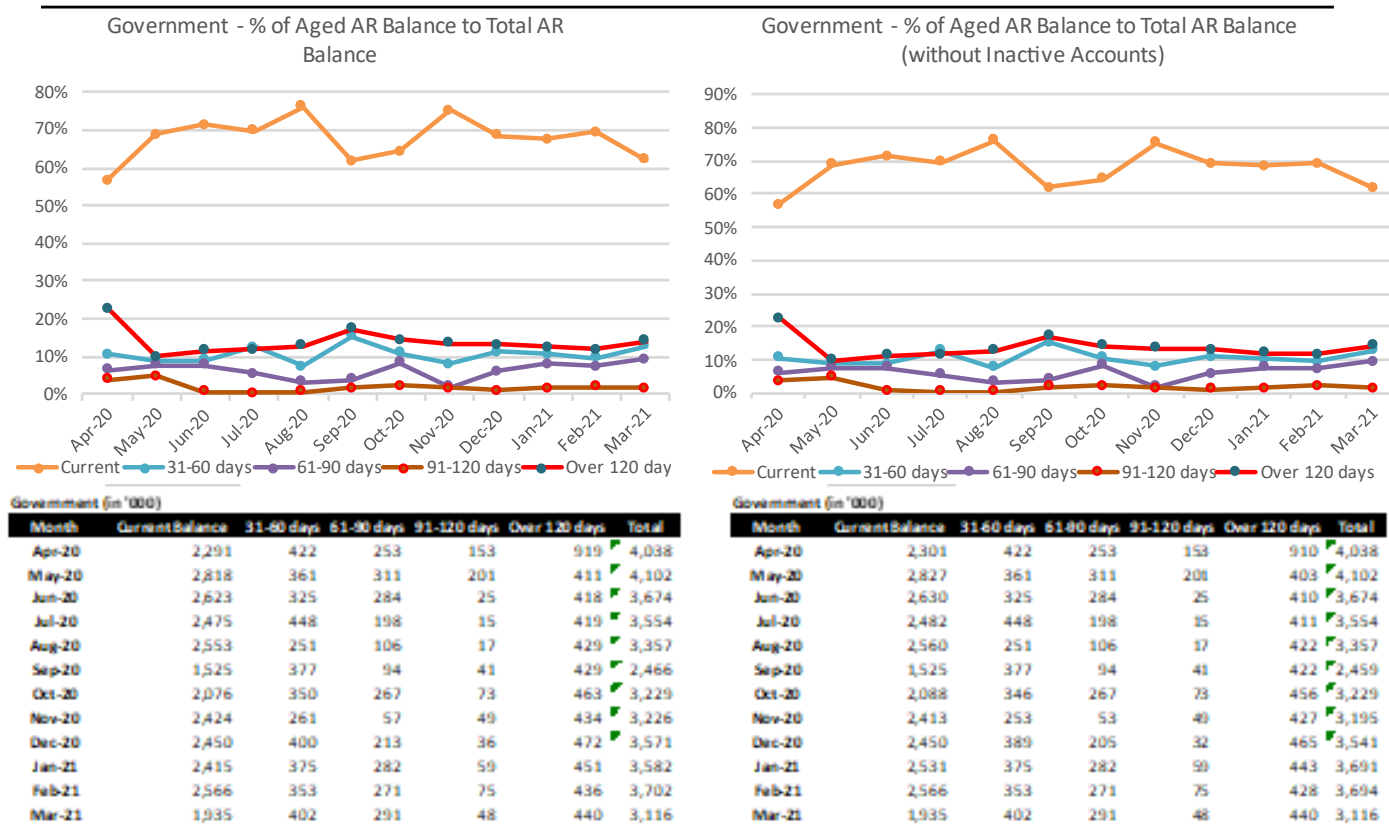


Government Revenues and Collections



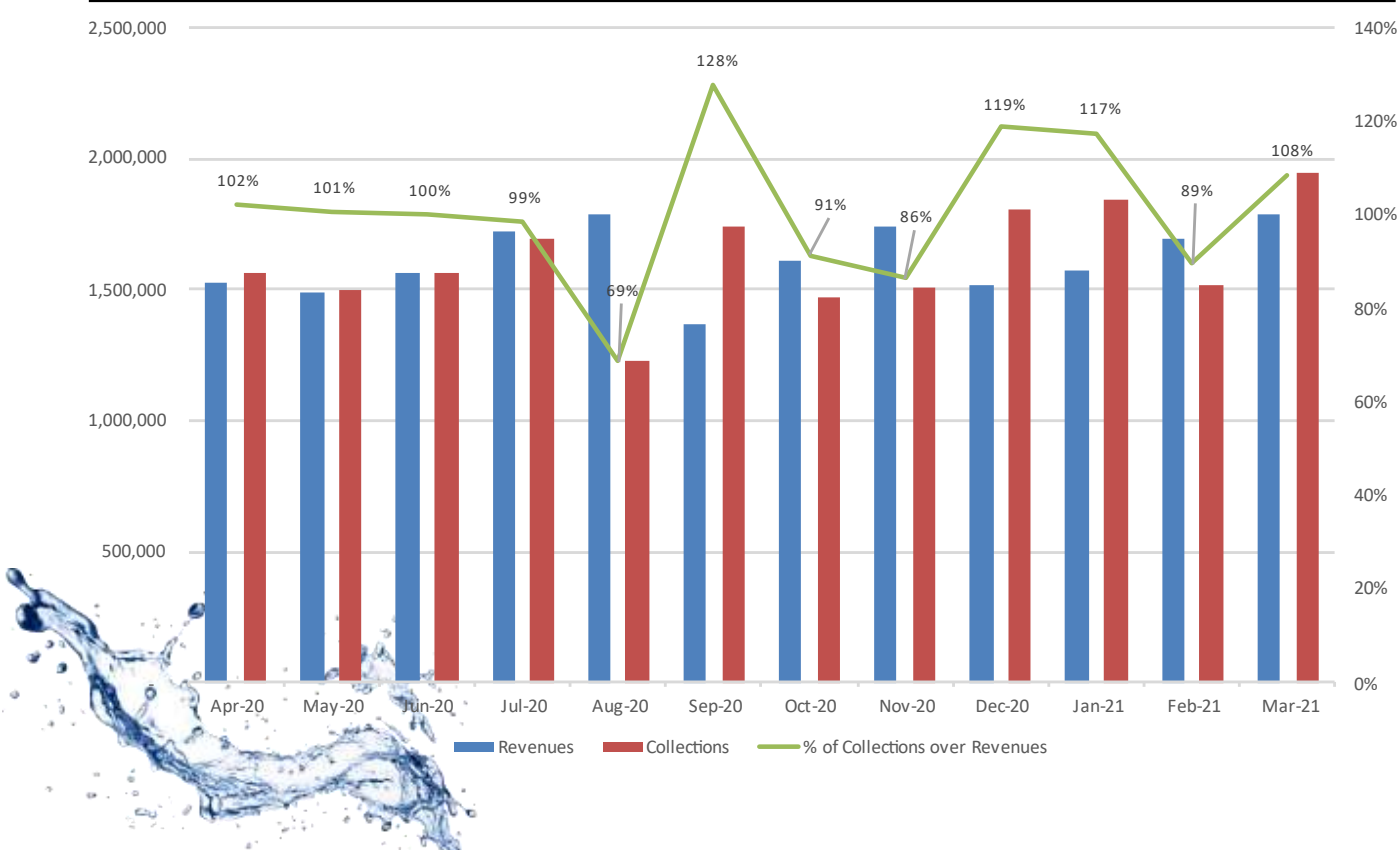


Government - AR Aging



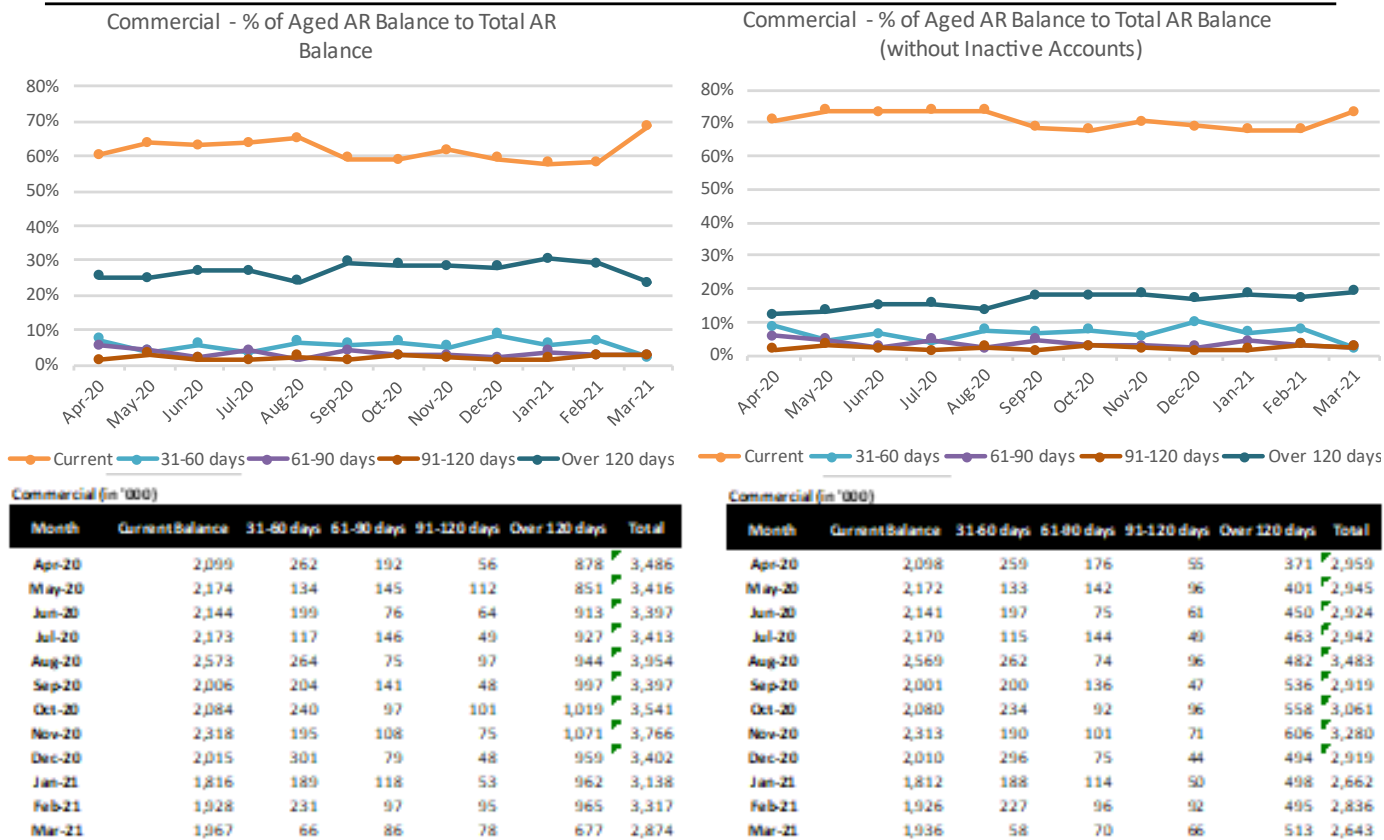


Commercial Revenues and Collections





Commercial - AR Aging



GWA Work Session - DIVISION REPORTS

GWA Utility Services Division
Monthly Status Report
Month ending MARCH 2021

FY2021		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	MARCH 2021 MONTHLY TOTAL	WEEKLY AVERAGE MARCH 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		03/06/21	03/13/21	03/20/21	03/27/21			WEEKLY AVERAGE FEB 2021	FEB 2021 MONTHLY TOTAL
Collections Activities:									
I.	Number of accounts cut for nonpayment:	0	0	0	0	0	0	0	0
II.	Number of accounts restored for nonpayment:	0	0	0	1	1	0	0	1
III.	Number of No water reports responded to:	4	4	2	5	15	4	3	10
IV.	Number of Secure/Unsecure valve reports responded to:	5	6	8	6	25	6	11	42
V.	Number of Verify reads responded to:	4	3	4	2	13	3	0	0
VI.	Number of new pay plans negotiated for active accounts:	61	75	52	74	262	66	49	194
VII.	Number of active pay plans negotiated and ongoing:	324	326	333	339		331	319	
VIII.	Number of inactive accounts with a payment arrangement:	6	6	6	6		6	6	
IX.	Number of broken payment plans:	47	31	24	27	129	32	19	77
Customer Service Activities (lobby visits):									
A. GBN Public Service Building – Fadjan									
i.	Total Customers Assisted:	170	166	169	141	646	162	155	620
ii.	Total Abandoned Requests:	5	6	3	2	16	4	5	19
iii.	Average Wait Time:	7 minutes	5 minutes	5 minutes	8 minutes		6.25 minutes	6.5 minutes	
iv.	Average Service Time:	10 minutes	11 minutes	11 minutes	15 minutes		11.75 minutes	12.5 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	48	58	55	52	213	53	53	210
2.	Restore water cut for non payment:	0	0	0	0	0	0	0	0
3.	Terminate Water:	19	16	9	7	51	13	13	51
4.	Copy of Bill:	22	24	22	16	84	21	15	60
5.	Billing Dispute:	47	37	45	37	166	42	41	165
6.	Billing Dispute follow up:	0	0	0	0	0	0	1	2
7.	General Questions & Other:	36	26	29	26	117	29	25	99
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:	4	10	7	4	25	6	9	36
B. Julale Satellite Office – Hagatna									
i.	Total Customers Assisted:	142	152	132	164	590	148	129	515
ii.	Total Abandoned Requests:	4	10	8	11	33	8	4	14
iii.	Average Wait Time:	6 minutes	6 minutes	4 minutes	6 minutes		5.5 minutes	4.25 minutes	
iv.	Average Service Time:	8 minutes	10 minutes	9 minutes	10 minutes		9.25 minutes	10.5 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	39	44	34	52	169	42	46	184
2.	Restore water cut for non payment:	0	0	0	0	0	0	0	0
3.	Terminate Water:	11	17	9	14	51	13	12	46
4.	Copy of Bill:	33	35	27	18	113	28	19	77
5.	Billing Dispute:	29	24	31	23	107	27	28	110
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	0
7.	General Questions & Other:	21	30	28	47	126	32	19	77
8.	Report a water leak:	0	1	0	1	2	1	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	10	6	3	12	31	8	6	23
C. Upper Tumon Satellite Office – Upper Tumon									
i.	Total Customers Assisted:	162	167	122	156	607	152	155	620
ii.	Total Abandoned Requests:	1	0	2	2	5	1	1	5
iii.	Average Wait Time:	1 minutes	2 minutes	3 minutes	2 minutes		2 minutes	2 minutes	
iv.	Average Service Time:	14 minutes	13 minutes	12 minutes	16 minutes		13.75 minutes	14.5 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	64	58	40	46	208	52	58	230
2.	Restore water cut for non payment:	1	0	0	1	2	1	1	2
3.	Terminate Water:	24	11	16	19	70	18	22	88
4.	Copy of Bill:	9	20	16	8	53	13	9	36
5.	Billing Dispute:	32	42	34	51	159	40	42	168
6.	Billing Dispute follow up:	0	0	0	0	0	0	0	1
7.	General Questions & Other:	29	36	15	31	111	28	23	93
8.	Report a water leak:	0	0	1	0	1	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	3	3	2	4	12	3	4	16

GWA Work Session - DIVISION REPORTS

GWA Utility Services Division
Monthly Status Report
Month ending MARCH 2021

FY2021		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	MARCH 2021 MONTHLY TOTAL	WEEKLY AVERAGE MARCH 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		03/06/21	03/13/21	03/20/21	03/27/21			WEEKLY AVERAGE FEB 2021	FEB 2021 MONTHLY TOTAL
Customer Service Activities (Electronic):									
i.	Emails Recieved:								
	1. customers@guamwaterworks.org:	153	97	142	134	526	132	126	504
	Request type (email):								
	a. Apply for water:	31	27	34	27	119	30	30	120
	b. Terminate Water:	17	9	19	14	59	15	13	52
	c. Copy of Bill:	3	0	4	3	10	3	3	10
	d. Billing Dispute & follow up:	11	5	5	8	29	7	8	33
	e. General Questions & Other:	54	42	58	64	218	55	51	205
	f. Report a water leak:	16	4	6	9	35	9	8	31
	g. Report water theft:	0	0	0	0	0	0	0	0
	h. Online services inquiry:	21	9	16	9	55	14	13	52
	2. gwaservesme@guamwaterworks.org (realtors/prop	0	1	0	0	1	0	0	1
ii.	Emails Replied (both):	66	124	125	122	437	109	75	300
iii.	Online Portal:								
	Request type (online portal):								
	a. Start Service:	2	0	2	1	5	1	2	8
	b. Stop Service:	0	1	2	0	3	1	1	2
	c. Payment Plan:	0	0	0	0	0	0	1	3
	d. Customer Information Updates:	0	0	1	0	1	0	1	2
	e. Service Investigations:	1	1	0	1	3	1	0	1
	f. Account Inquiries:	0	1	0	0	1	0	1	5
	g. Technical Support:	1	0	0	0	1	0	1	2
	h. Outages & Emergencies:	2	1	0	0	3	1	0	0
Call Center Activities:									
i.	Calls Recieved:	1296	1008	858	1078	4240	1060	1021	4083
ii.	Calls Immediately Answered:	458	515	479	620	2072	518	555	2219
iii.	Calls Abandoned:	69	59	39	53	220	55	49	197
iv.	Calls Handled by Voice mail:	769	433	340	403	1945	486	417	1666
v.	Average duration of call:	4 minutes	5 minutes	6 minutes	4 minutes		4.75 minutes	5.25 minutes	
vi.	Breakdown by request type:								
	1. Apply/Terminate info:	35	35	26	45	141	35	47	186
	2. Automated Telephone Call:	0	0	0	0	0	0	0	0
	3. Balance Inquiry:	19	35	34	59	147	37	33	132
	4. Call Back:	20	19	9	12	60	15	16	63
	5. Dispatch:	18	7	29	12	66	17	15	59
	6. Dispute:	0	1	2	0	3	1	0	0
	7. Follow-up:	36	26	18	34	114	29	40	160
	8. General Questions & Other:	127	114	88	128	457	114	125	500
	9. Route Calls to GWA Staff:	77	177	105	117	476	119	149	596
	10. No Water:	48	28	17	112	205	51	18	70
	11. Online/Phone App Help:	30	30	26	15	101	25	25	98
	12. Pay by Phone:	82	75	81	92	330	83	96	385
	13. Pay Plan:	25	44	31	40	140	35	23	90
	14. Restore Non-payment:	0	0	0	0	0	0	0	0
	15. Secure/Unsecure Valve:	8	11	6	8	33	8	15	59
	16. Voice Mail:	100	63	36	68	267	67	56	224
	17. Water leak:	11	20	12	18	61	15	15	60
Bill Dispute & Resolution Activities:									
i.	Dispute Resolution:								
	1. Number of disputed accounts resolved:	19	39	13	18	89	22	8	33
	2. Number of disputed accounts under review:	1560	1597	1605	1611		1593	1634	
Data Entry of Completed Field work in CIS:									
i.	Document Control:								
	1. Number of field activities posted:	252	537	357	427	1573	393	390	1561
	2. Number of field activities pending:	277	235	296	189	997	249	233	931
Field Response Activities:									
I.	Number of field activities assigned:	305	240	217	224	986	247	255	1018
II.	Number of field activities completed:	378	307	264	237	1186	297	314	1254
III.	Number of field activities pending field action:	2	1	0	0	3	1	1	3

GWA Work Session - DIVISION REPORTS

GWA Utility Services Division
Monthly Status Report
Month ending MARCH 2021

FY2021 UTILITY SERVICES DIVISION ACTIVITIES		WEEK ENDING: 03/06/21	WEEK ENDING: 03/13/21	WEEK ENDING: 03/20/21	WEEK ENDING: 03/27/21	MARCH 2021 MONTHLY TOTAL	WEEKLY AVERAGE MARCH 2021	PREVIOUS MONTH	
								WEEKLY AVERAGE FEB 2021	FEB 2021 MONTHLY TOTAL
Meter Reading Activities:									
I.	Number of meters read:								
A.	Electronically Read Meters:	6701	12236	14602	6442	39981	9995	10667	42666
B.	Manually Read Meters:	22	31	27	14	94	24	29	115
i.	Unread meters (Meters scheduled but not read):	13	14	14	4	45	11	13	53
ii.	Number of data logs received:	25	23	34	24	106	27	48	190
iii.	Number of data logs retrieved:	20	26	17	43	106	27	35	141
iv.	Number of data logs pending field action:	2	0	2	0	4	1	0	0
v.	Communication Errors/Reprogramming requests:	5	1	1	0	7	2	3	12
vi.	Number of estimated readings (for the week):	89	472	113	542	1216	304	236	945
vii.	Reasons for Estimations:								
1.	Cant locate meter:	0	3	1	0	4	1	1	2
2.	Temporary Obstruction:	0	0	0	1	1	0	0	1
3.	Vicious Dog:	0	0	0	0	0	0	0	1
4.	Flooded meter:	0	1	0	0	1	0	0	0
5.	Corrective action to database requested:	0	0	0	0	0	0	2	9
6.	Possible changed out meter:	5	11	12	1	29	7	10	38
7.	Communication/Programming error (code 92's):	0	10	6	0	16	4	0	0
8.	Other:								
a.	Leak Detected on Customer's Private Line:	936	1946	2573	885	6340	1585	1646	6584
b.	Reverse Flow Detected:	59	427	70	531	1087	272	198	791
c.	No Usage Detected:	253	358	325	279	1215	304	350	1398
d.	Tamper Code:	11	4	9	5	29	7	10	38
C.	Electronic Read Percentage:	99.67%	99.75%	99.82%	99.78%		99.7%	99.7%	
Illegal Connection & Unauthorized Use of Water Activities:									
I.	Number of Inactive Still Consuming Reports rec'd & Investigated:	1	0	1	0	2	1	0	0
II.	Number of Illegal Connection reports rec'd & investigated:	0	0	0	1	1	0	1	2



Engineering Monthly Report April 2021

Prepared By:

**Mauryn Q. McDonald, P.E.
Acting Chief Engineer**

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

Potable Water

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
PW 05-01	Ground Water Disinfection	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ -	N/A	N/A	\$ -	N/A	N/A
PW-05-05	"A Series Well Transmission Line	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	\$ -	N/A	N/A	\$ 700,000.00	0.00%	100.00%
PW 05-07	Meter Replacement Program	\$ 1,400,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-08	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	15.74%	84.26%
PW 09-04	Pressure Zone Realignment	\$ 1,141,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-06	Central Water Distribution System 2005	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-09	Water Reservoir Internal/External	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	\$ 800,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 58,830,170.00	93.61%	6.39%	\$ 25,900,000.00	0.00%	100.00%
PW 11-01	Distribution System Upgrades	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -	N/A	N/A	\$ 7,500,000.00	0.00%	100.00%
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 550,000.00	90.75%	9.25%	\$ -	N/A	N/A
PW 12-02	Production Plan / Reduce Navy Purchases	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	\$ 1,220,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo#1	\$ 1,822,133.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-06	Tank Replacement Piti & Hyundai	\$ 7,300,000.00	100.00%	0.00%	\$ 6,500,000.00	0.00%	100.00%
PW 12-07	Assessment of Malojloj Elevated & Yigo Elevated	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-08	Public Water System Asset Inventory/ Condition Assessment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-09	Public Water System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 14-01	Fire Hydrant Replacement Program	\$ 1,200,000.00	99.70%	0.30%	\$ -	N/A	N/A
MP-PW-Pipe-01	Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-02	Route 1 Astumbo Zone Piping				\$ -	N/A	N/A
MP-PW-Pipe-03	Harmon Cliffline Piping to Route 1				\$ -	N/A	N/A
MP-PW-Pipe-04	Hyundai Well Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-05	Kaiser Zone Looping				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-06	Mangilao Pressure Zone Realignment				\$ 300,000.00	0.00%	100.00%
MP-PW-Pipe-07	Mataguac BPS Suction Piping				\$ 500,000.00	0.00%	100.00%
MP-PW-Pipe-08	Nimitz Lower BPS Piping				\$ -	N/A	N/A
MP-PW-Pipe-09	Yigo, Santa Rosa Zone Realignment				\$ -	N/A	N/A
MP-PW-Pipe-10	Miscellaneous Piping Projects				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-11	Miscellaneous Piping Connections				\$ 200,000.00	0.00%	100.00%
MP-PW-Pipe-12	Rehabilitation and Replacement Program				\$ 2,000,000.00	0.00%	100.00%
MP-PW-Pipe-13	2-Inch Pipe Replacement Program				\$ 3,330,000.00	0.00%	100.00%
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program				\$ -	N/A	N/A
MP-PW-Pipe-15	PRV Rehab and Replacement				\$ 2,050,000.00	0.00%	100.00%
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program				\$ 250,000.00	0.00%	100.00%
MP-PW-Pipe-17	Cross Island Highway Piping				\$ 100,000.00	0.00%	100.00%
MP-PW-Tank-22	Existing Tank Inspections				\$ 150,000.00	0.00%	100.00%
MP-PW-Tank-23	Recurring Tank Inspections				\$ 400,000.00	0.00%	100.00%
MP-PW-BPS-01	Rehabilitate and Replace BPSs				\$ 409,000.00	0.00%	100.00%
MP-PW-BPS-02	Nimitz Hill Upper BPS				\$ 48,000.00	0.00%	100.00%
MP-PW-BPS-03	Route 15 BPS				\$ -	N/A	N/A
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project				\$ 380,000.00	0.00%	100.00%
MP-PW-SWTP-02	Ugum SWTP Intake Modifications				\$ 1,174,000.00	0.00%	100.00%
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements				\$ 1,150,000.00	0.00%	100.00%
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project				\$ -	N/A	N/A
MP-PW-Well-01	Well Rehabilitation Program				\$ 3,600,000.00	0.00%	100.00%
MP-PW-Well-02	Well Equipment Overhaul Program				\$ -	N/A	N/A
MP-PW-Well-03	Capacity Enhancement – Well Exploration Program				\$ 500,000.00	0.00%	100.00%
MP-PW-Well-04	Capacity Enhancement – Well Development and Construction				\$ -	N/A	N/A
MP-PW-Well-05	Wellhead Protection Program				\$ 300,000.00	0.00%	100.00%
MP-PW-Well-06	Well Repair Program				\$ 1,200,000.00	0.00%	100.00%
MP-PW-Misc-01	South Guam Water Supply Study				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement				\$ 750,000.00	0.00%	100.00%
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance				\$ -	N/A	N/A
MP-PW-Misc-04	OneGuam Program				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-05	Leak Detection Assistance				\$ 150,000.00	0.00%	100.00%
DoD-3	Rehabilitation and New NGLA Monitoring Wells				\$ -	N/A	N/A
		\$ 81,331,136.00			\$ 66,291,000.00		

Wastewater

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
WW 05-04	Wastewater System Planning	\$ 312,983.00	100.00%	0.00%	\$ 150,000.00	56.32%	43.68%
WW 05-05	Wastewater Vehicles	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ 1,714,755.00	69.89%	30.11%	\$ 1,050,000.00	0.00%	100.00%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,055,478.00	56.98%	43.02%	\$ 1,400,000.00	0.00%	100.00%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	\$ 25,048,522.50	90.16%	9.84%	\$ -	N/A	N/A
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 252,105.00	100.00%	0.00%	\$ -	N/A	N/A
WW 11-08	Agat-Santa Rita STP Replacement	\$ 2,226,659.06	89.93%	10.07%	\$ -	N/A	N/A
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-07	Umatac Merizo Replacement	\$ 20,952,871.63	99.89%	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	Barrigada Pump Station Pipe Rehabilitation/Replacement				\$ -	N/A	N/A
MP-WW-Pipe-03	Route 1 Pitti Pipe Rehabilitation/Replacement				\$ 940,000.00	0.00%	100.00%
MP-WW-Pipe-04	Southern Link Pump Station Pipe Rehabilitation/Replacement				\$ 657,000.00	0.00%	100.00%
MP-WW-Pipe-05	Agana Heights Pipe Replacement				\$ -	N/A	N/A
MP-WW-Pipe-06	Northern District Route 1 Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-07	Northern District Route 1 Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-08	Northern District Route 1 Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-09	North Dededo Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-10	North Dededo Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-11	Route 16 Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-12	Barrigada Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-13	Mangilao Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-14	Dededo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-16	Yigo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-17	Mamajanao Capacity Replacement				\$ 814,000.00	0.00%	100.00%
MP-WW-Pipe-18	Agat-Santa Rita Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-19	Agat-Santa Rita Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-20	Agat-Santa Rita Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-21	Baza Gardens Capacity Replacement - Phase 1				\$ -	N/A	N/A
MP-WW-Pipe-22	Baza Gardens Capacity Replacement - Phase 2				\$ -	N/A	N/A
MP-WW-Pipe-23	Baza Gardens Capacity Replacement - Phase 3				\$ -	N/A	N/A
MP-WW-Pipe-24	Umatac-Merizo Capacity Replacement				\$ -	N/A	N/A
MP-WW-Pipe-25	Piping Near Bayside Lift Station				\$ -	N/A	N/A
MP-WW-Pipe-26	Finile Drive Rehabilitation - Agat				\$ 813,000.00	0.00%	100.00%
MP-WW-Pipe-27	Septic/Cesspool System Reduction Program				\$ 350,000.00	0.00%	100.00%
MP-WW-MH-01	Manhole Rehabilitation Program				\$ 350,000.00	0.00%	100.00%
MP-WW-FM-01	Force Main Rehabilitation/Replacement Program				\$ 100,000.00	0.00%	100.00%
MP-WW-FM-02	Replace Yigo Lift Station Force Main				\$ 200,000.00	0.00%	100.00%
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement				\$ 2,124,000.00	0.00%	100.00%
MP-WW-FM-04	Hagåtña WWTP Force Main Rehabilitation/Replacement				\$ 6,600,000.00	0.00%	100.00%
MP-WW-Pump-01	Lift Station Rehabilitation/Replacement Program				\$ 8,320,000.00	0.00%	100.00%
MP-WW-Pump-02	Tumon Basin - Fujita Lift Station Analysis				\$ 9,600,000.00	0.00%	100.00%
MP-WW-Pump-03	Replacement of Former Navy Pump Station (Donut Hole)				\$ 1,301,000.00	0.00%	100.00%
MP-WW-WWTP-01	Hagåtña WWTP Primary Treatment Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-02	Hagåtña WWTP Secondary Treatment Upgrade				\$ -	N/A	N/A
MP-WW-WWTP-03	Inarajan WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-04	Pago Socio WWTP Pump Station Conversion				\$ -	N/A	N/A
MP-WW-WWTP-05	Umatac-Merizo WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-06	Agat-Santa Rita WWTP Repair/Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-07	Baza Gardens Cross Island Pipeline - Preliminary Treatment Equipment Repair and Rehabilitation Program				\$ -	N/A	N/A
MP-WW-WWTP-08	Northern District WWTP Completion				\$ 7,500,000.00	0.00%	100.00%
MP-WW-WWTP-09	Ocean Outfall Inspection Program				\$ 100,000.00	0.00%	100.00%
MP-WW-Misc-01A	Update Wastewater Collection System Model (Major Update)				\$ -	N/A	N/A
MP-WW-Misc-01B	Update Wastewater Collection System Model (Continued)				\$ 50,000.00	0.00%	100.00%
MP-WW-Misc-02	VI 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	79.29%	20.71%	\$ -	N/A	N/A
MP-Gen-EE-01	SCADA Implementation Phase A2 – Initial Project Completion				\$ 4,250,000.00	0.00%	100.00%
MP-Gen-EE-02	SCADA Implementation Phase B – Additional Sites				\$ -	N/A	N/A
MP-Gen-EE-03	SCADA Implementation Phase C – Additional Instruments				\$ -	N/A	N/A
MP-Gen-EE-04	SCADA System Improvement Program				\$ -	N/A	N/A
		\$ 5,455,615.00			\$ 4,570,000.00		

Miscellaneous Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
MC 05-01	Laboratory Modernization	\$ 1,127,000.00	100.00%	0.00%	\$ -	N/A	N/A
MC 05-02	Land Survey	\$ 1,260,524.00	99.35%	0.65%	\$ -	N/A	N/A
MC 09-01	General Plant Improvements	\$ 1,543,760.00	88.61%	11.39%	\$ -	N/A	N/A
MC 15-01	Information Technology Intergration Improvements	\$ 500,000.00	71.90%	28.10%	\$ -	N/A	N/A
MP-Gen-Misc-01	GWA Systems Planning				\$ 550,000.00	0.00%	100.00%
MP-Gen-Misc-02A	WRMP Update (Comprehensive Update)				\$ -	N/A	N/A
MP-Gen-Misc-02B	WRMP Update (Interim Update)				\$ 200,000.00	0.00%	100.00%
MP-Gen-Misc-03	Surveying and Property Delineation				\$ 250,000.00	0.00%	100.00%
MP-Gen-Misc-04	Information Technology Improvements				\$ 1,650,000.00	43.01%	56.99%
MP-Gen-Misc-05	GWA Infrastructure Improvements				\$ 2,500,000.00	0.00%	100.00%
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility				\$ 500,000.00	0.00%	100.00%
MP-Gen-Misc-07	Mobile Equipment Replacement Program				\$ 800,000.00	0.00%	100.00%
MP-Gen-Misc-08	General Plant Improvements				\$ 1,000,000.00	0.00%	100.00%
MP-Gen-Misc-09	Security and Resilience Program				\$ 200,000.00	0.00%	100.00%
		\$ 4,431,284.00			\$ 7,650,000.00		

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

Bond Fund	Construction Fund Amount (\$M)	Estimated # of months fund available for use	Total Funds encumbered to date (\$M)***	% of fund used	Rate of Spending: (\$M) per year
2005	\$82.930	82*	\$82.930	100.00%	12.14
2010	\$87.689	122**	\$84.385	96.23%	8.30
2013	\$140.819	84**	\$136.891	97.21%	19.56
2016	\$142.781	54**	\$129.817	90.92%	28.85
2020	\$123.590	9**	\$1.148	0.93%	1.63

* End date November 2013 via CCU Resolution 06-FY2014

** Includes month of March 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:

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

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

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

RFP USEPA	Design of Dungca Beach Sewer Relocation	
90% Complete	Activities/Notes: Negotiating fee proposal with the selected A-E firm.	
Project Description:	The work performed under this project procurement shall consist of replacement of a sewer main located along the shores of Dungca Beach, from the Bayside Sewer Pump Station (SPS) to an area north of Lagoon Drive. The new sewer main shall be located within the public right of way along Trankilo Road and Lagoon.	

RFP USEPA	Design of Hagatna Main Sewage Pump Station Redundant Force Main	
100% Complete	Activities/Notes: Contract approved by the GM and transmitted to Consultant to proceed design work.	
Project Description:	The work to be performed under this project procurement shall consist of identifying redundant force main options and to investigate the current condition of the existing force main. If repair/relocation is needed, then identify options and provide the design for the selected options, including pump station upgrades, if necessary.	

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

RFP USEPA	Design of Hagatna Wastewater Treatment Plant Causeway and Facility Structural Analysis	
100% Complete	Activities/Notes: Contract approved by the GM and transmitted to Consultant to proceed design work.	

Project Description:	The work to be performed under this project procurement shall consist of assessment of the structural integrity of the causeway for continued operations, including: vehicular traffic (to include heavy vehicles such as pumping trucks and construction equipment); pedestrian traffic; as a conveyance for utilities to the WWTP and potentially, a conveyance for a new force main; evaluation of culvert hydraulics, and inspection of vertical members, including underwater inspections. Also, to assess the structural integrity of WWTP building structures including concrete and metal structures/components.
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<u>BID PACKAGE</u> USEPA-SRF	Groundwater Wells A-02, A-07, A-12, D-05 and F-03 Rehabilitation (Re-Bid)	
70% Complete	Activities/Notes: Project was advertised for construction on 08/04/2020. The bid proposal deadline has been extended and is due on 10/15/2020 per Addendum no.2. Designer submitted revisions to the plans and specification and will be included in an Addendum no.3 after GWA reviews. As of 10/15/2020 - No bids were submitted. GWA is conducting feedback with registered bidders to determine cause for no bid submission. Pending responses for no bid.	
Project Description:	Work to be performed under this project consist of rehabilitating four (4) existing production well sites including development, testing and permitting of a new production well.	

<u>BID PACKAGE</u> OEA GRANT	Northern Guam Lens Aquifer (NGLA) Monitoring System Expansion Project for the Guam Water and Wastewater Infrastructure Improvements Program (Re-Bid)	
70% Complete	Activities/Notes: Project advertised for re-bid on March 26, 2021.	
Project Description:	Work to be performed under this project consist of installation of seven new monitoring wells and rehabilitation for two existing monitoring wells on Department of Defense (DoD) property.	

<u>BID PACKAGE</u> GWA BOND	Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation	
90% Complete	Activities/Notes: Issued Notice of Intent to Award to contractor. Reviewing bonds and insurance documents.	

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.
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<u>BID PACKAGE</u> GWA BOND	Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement	
90% Complete	Activities/Notes: Issued Notice of Intent to Award to contractor. Request for CCU and PUC approval.	
Project Description:	Work to be performed under this project consist of replacing an existing 6-inch asbestos cement pipe (ACP) water line with a new 8-inch polyvinyl chloride (PVC) water line along Tai Road; replacing an existing 2-inch water line with a new 6-inch water line along S-13; reconnecting existing branch water lines, service connections and other water appurtenance connections from an existing 6-inch ACP water line to an existing 12-inch PVC water line along Canada-Toto Loop; and replacing an existing 6-inch ACP water line with a new 6-inch PVC water line along Blas Street.	

<u>BID PACKAGE</u> EE 09-02, EE 09-05 MP-PW-WELL-06	Deep Well Power Line Conditioner Pilot Project	
<50% Complete	Activities/Notes: Preparing the design-build bid document. Draft of technical specifications and bid sections were submitted for review.	
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
81% 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. Ongoing CM inspection services for the Yigo no. 3 and Agat-Umatac steel tank repair and Santa Ana bypass work. Windward Hills API final report received on 03/03/2021. Finalizing repair cost with Contractor. Change Order to be issued. Continuing review of submittal, RFIs, and project payments. Conducting meetings.	Completion Date: To be determined (TBD)
CO 38C	Engineering inspection services	
Project Description:	The Court Order requires GWA to inspect all active and in some cases inactive water reservoirs. The inspection results will allow GWA to determine if a reservoir requires repair or replacement.	

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

Project Description:	The design project is intended to assess system water supply feed from the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and resize the pumps to meet system head requirements.
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DESIGN PW 09-11	Northern and Southern Guam Reservoir Design (TG Engineers)	Start Date: May 2015
90% Complete	Activities/Notes: <u>Ugum Reservoir</u> Design is at 90%. Designer is working towards 100%. TGE submitted cost for new instrumentation building and continuation of meetings. Engineering to discuss and negotiate change order cost. Instrumentation building was requested by Ron Topasna. New building to house chlorine analyzers and TOCs equipment. Current location at bps is too small to properly house the equipment. GWA and TGE are working on the SCADA modification plans and specifications to integrate new tank and processes. <u>Inarajan and Agfayan Booster Pump Station</u> Biological Assessment and Archaeological report are pending. TGE proceeding with design at both sites. Letter of interest/purchase to DLM/CLTC for Lot 28 is in process. <u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update.	Completion Date: Completion will be in line with construction completion.
CO 29 (b)(4)	Engineering design services	
Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Ugum, Santa Rita, Santa Rosa, Inarajan and Sinifa.	

DESIGN PW 12-04	Central Guam Reservoirs Design (GHD Inc.)	Start Date: May 2015
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>Archaeological survey is pending archaeologist schedule. Biological survey completed.</p> <p>Need approval from GIAA/GEPA for GWA to abandon monitoring well. Designer is coordinating with GIAA/GEPA to get approvals prior to bid.</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. Request for assistance to DPR director to be sent.</p> <p><u>Piti Reservoir</u> DCA and GHD are working to put the bid package together. DCA has already completed the major steel tank repair plan and specifications. GHD is working on site utility plan and specifications.</p> <p>GWA has not submitted the Right of Way application to National Parks Services yet. GWA has received the final Dept. of Agriculture consultation response letter. Biological Assessment report has been completed. Archaeological report needs to be completed before ROW application can be submitted.</p> <p>Waiting on National Park Service to allow Archaeologist to go onsite to perform survey. GWA did a follow up on this request. National</p>	<p>Completion Date: Completion will be in line with construction completion.</p>

	<p>Park Service sent the request to their national office for review and approval.</p> <p><u>A23-A25 Deepwell (PFAS Treatment)</u> 90% submittal under review by GWA. Design meeting held with Operations. Designer is working towards 100%.</p> <p>A23 and A25 MOU sent to DPW for signature. No response from DPW.</p> <p><u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon no. 1, Hyundai, Chaot no. 2 Reservoir Construction for update.</p>	
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>	

CONSTRUCTION PW 09-03	Line Replacement Phase IV (Giant Construction)	Start Date: February 14, 2016
100% Complete	Activities/Notes: Project has been completed and accepted. Processed final invoice.	Completion Date: March 12, 2021
	Construction Services	
Project Description:	<p>The project is intended to replace existing water lines that have been found by operations to be leaking and/or are causing service delivery to less than what GWA is required to provide. The project will replace water mains at ten known locations throughout the island and a component within the bid where line replacement work for unknown locations is accounted for.</p>	

DESIGN PW 05-15	Asan Springs Rehabilitation Design (HDR)	Start Date: August 24, 2016
82% Complete	Activities/Notes: Designer submitted a letter to NPS to coordinate the archaeological survey requirements with SHPO; response pending. Designer submitted the biological survey approach to NPS, permit is pending. Biological survey was done on 02/10/2021 at Asan Springs. Preliminary findings from HDR	Completion Date: June 2022

	led to the discovery of snails around the project site. Pending HDR response and approach on the determination of snails located around Asan Springs.	
	Engineering design services	
Project Description:	<ul style="list-style-type: none"> - Perform site visits and condition assessment for site conditions to determine demolition and rehabilitation requirement, process equipment condition, structural condition, and electrical system. Site condition assessment shall include all disciplines to execute the project. - Review and validate the current property boundary information to confirm the available space for the project development. - Perform an environmental impact study and prepare all required permits as needed. - Perform an archeological and historical resources study to identify potential impact to the project, prepare all required permits as needed. - Coordinate with Guam Historic Resources Division State Historic Preservation Office (SHPO) on historical resources study. Prepare all necessary reports and documents as required by SHPO. - Coordinate with Guam Department of Agriculture, Division of Aquatic and Wildlife Resources (DAWR) on vegetation clearance. Prepare all necessary reports and documents required by DAWR. - Identify the existing and projected service area, period of design. - Identify and recommend conceptual water treatment system. - Perform a Class 4 engineering cost estimate according to the American Association of Cost Engineers (AACE) International Cost Estimate Classification System for construction fee. Cost must include all disciplines, permit, construction and administration that are necessary to execute the project. All costs will be in current dollars and escalated to the estimated midpoint of construction. 	

CONSTRUCTION PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction (Pernix)	Start Date: December 1, 2016
99% Complete	Activities/Notes: GWA and CM is working with Pernix to close out project. Final walkthrough completed. Lien Release and Warranty documents received. Awaiting spare parts. Proceeding with final payments and project closeout.	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
99% complete	Activities/Notes: Working to complete project close out requirements.	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: Change Order no. 1 sent to GWA management for approval. Change Order no. 2 executed. Awaiting A/E invoicing. Change Order no. 3 will be forthcoming to cover CM services to 12/2020. Reviewing and processing invoices for Change Order no. 2. As of 01/01/2021, GWA water CIP engineering will take over CM duties for remaining work. CM will be onboard for limited services – Eadoc project software management and conducting meetings/meeting minutes.	Completion Date: March 2021
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

CONSTRUCTION PW 12-04, PW 12-06 AND PW 09-11	Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction (AIC)	Start Date: February 8, 2018
89.3% Complete	Activities/Notes: <u>Tumon No. 1</u> Tumon no. 1 online – 08/20/2020. Working on St. John's PRV. Pale San Vitores HEP pending DPW approval. DPW will not issue permit until St. John's PRV work is completed. <u>Barrigada Heights No. 1 (Hyundai)</u> Barrigada Heights no. 1 online – 10/09/2020. Awaiting booster pump system to arrive. Additional connection to the new bps pumped zone for houses pass the Hyundai tank. Working to install temporary piping in the booster station to activate new loop line. <u>Barrigada</u> Contractor working on electrical for booster and PRSV station. <u>Chaot No. 2</u> Chaot No. 2 tank online – 09/02/2020. Contractor working on A-series well, Dero Rd connection to Leo Palace line, chlorination system improvements and miscellaneous improvements. <u>Barrigada No. 2</u> Inspected. In process of developing repair scope for Contractor to price.	Completion Date: TBD (Completion date has passed. Pending time extension for permit delays.)
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

CONSTRUCTION MANAGEMENT PW 09-11	Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)	Start Date: April 2018
16.8% Complete	Activities/Notes: Change Order no. 1 issued. Santa Rita NTP issued to CM on 12/14/2020. Santa Rosa NTP issued to CM on 01/11/2021. 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
5.4% Complete	Activities/Notes: Santa Rosa: Retaining wall, detention basin, and site piping are ongoing. Santa Rita: New tank foundation preparation, pile rebar cage, detention basin, and site piping are ongoing. Sinifa: Pending permit. SHPO provided comments to the Archaeological report. Clearing/Grading and Building permit is with DPW. Clearing/Grading permit is anticipated to be the week of 04/12/2021.	Completion Date: Santa Rosa Final Completion – February 13, 2022 Santa Rita Final Completion – March 15, 2022 Sinifa Final Completion – January 14, 2022
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services of three water reservoirs: 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

CONSTRUCTION	Pressure Zone Realignment and Tank Repair-Replacement – Phase I (Sumitomo)	Start Date: December 17, 2019 (Notification of Award)
22% Complete	Activities/Notes: Construction work active at Kaiser, Carnation, Ysengsong, and Okkodo PRV sites. Construction meetings are ongoing. CO no. 1 submitted by SMCC on 04/08/2021. CO no.2 for time extension pending on CO no.1. Arrival of 14", 16" piping and scada panels delayed.	Completion Date: May 6, 2021
N/A	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services for the installation of control valves (PRVs, PRSVs), piping, and related electrical upgrades to properly control and measure system flow between zones.	

DESIGN PW 05-12	Pressure Zone Realignment and Tank Repair-Replacement (GHD)	Start Date: August 2018
Design will be done in Phases. Phase I - 100% (Design) Phase II - 80% (Design) Phase III – 20%	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 Change Order no. 3 on Design services for Nimitz Hill Waterline Replacement and Phase II CM services is in the works approved 02/29/2021. Change Order 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 (DCA, AIC, GWA)	Start Date: May 1, 2020
23.3% Complete	Activities/Notes: Construction contract effective 04/21/2020. NTP issued 05/01/2020 with modified language for work starting onsite. Agat-Umatat and Yigo no. 3 repairs ongoing. Astumbo no. 1 delayed due to presence of lead paint. Change Order no. 3 under process for lead paint abatement. Metal plate may be used to repair Windward Hills tank, which is more crucial than Astumbo. Change order of Windward Hills repair is forthcoming. Santa Ana bypass work is ongoing. Bypass testing will be scheduled in the upcoming weeks. Ladda PSRV installed. Outage planning for Malojloj bypass is ongoing.	Completion Date: TBD (Dependent on repairs required after inspection)
Project Description:	The work to be performed under this project consist of installing by-pass piping, valves, etc. ahead of certain tank inspection work. The operation of the by-pass will allow the tank inspector to determine appropriate repairs after which the contractor will proceed to repair the tank.	

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

CONSTRUCTION PW 14-01	Fire Hydrant Replacement Phase I (Mega United Corporation, Ltd.)	Start Date: October 19, 2019
0% Complete	Activities/Notes: Waiting for GTA clearance and field markings in the field.	Completion Date: October 25, 2020
Project Description:	The work performed under this project consist of replacing the dry barrel fire hydrants with wet barrel type fire hydrants. The replacement will involve removal of defective fire hydrant laterals, gate valves, hydrant stem and barrel and other appurtenances necessary to complete the project.	
CONSTRUCTION PW 05-07	Groundwater Well Production Meter Replacement Project (Giant Construction)	Start Date: April 29, 2020
11% Complete	Activities/Notes: Contractor began disinfection of the discharge piping for Wells Y-07, Y-09, Y-15, Y-23, M-18, F-15, and HGC-2A. Except Y-09, all passed the microbiological tests on 03/11/2021. Retest for Y-09 was conducted and passed on 03/22/2021. On 03/22/2021, all test results were transmitted to GEPA for final approval. On 03/01/2021, contractor submitted a request for time extension. The request was returned for revision due to failure to specify the dates and causes of delay.	Completion Date: June 28, 2021
	Construction services	
Project Description:	Work to be performed under this project shall consist of replacing the production well meters and associated well head piping. Construction management is performed in-house.	
DESIGN AND CONSTRUCTION PW 09-03	Casimiru Waterline Replacement Project (Giant Construction)	Start Date: February 8, 2021
1% Complete	Activities/Notes: Contractor transmitted material submittals for GWA approval on 02/28/2021. All water piping, valves, fittings were approved 03/09/2021. Contractor is having a problem securing services of a licensed surveyor for the survey work of this project. On 03/30/2021, contractor was requested to submit an update and take remedial actions on getting a licensed surveyor.	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.
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D. CIP Wastewater Section

CONSTRUCTION WW 09-06	Bayside SPS Improvements Design (EMPSCO)	Start Date:
20% Construction Services	Activities/Notes: - Plugging of discharge end influent pipe from existing manhole to dry well completed. Removal of corroded equipment at dry well on going and installation of fence ongoing. - Continue to review submittal, shop drawings and RFI's. - Upcoming Change Request, dewatering of existing dry well and provision of auto dialer and generator enclosure, additional silt fence along easement heading to pump station and provision of bollard.	Completion Date: November 28, 2021
CO #3	Engineering design services	
Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges and install underground power cable due to GPA's concern that existing power pole, located on the bank is at risk of being lost due to storm surges.	

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.	Completion Date: November 2017 - Design December 11, 2019 - (Bid and Construction Support)
N/A	Engineering design services	

Project Description:	The A/E firm will design an integrated, robust and secure Supervisory Control and Data Acquisition (SCADA) system for GWA's water and wastewater systems, and to provide support services during bid and construction. The 22 sites will consist of a combination of water facilities such as production wells, reservoirs, booster pump station and wastewater sites include sewer treatment plants and sewer pump stations. Executed by approved change orders, number of sites in original design scope has changed from 22 sites to 19 sites and design of High Water Alarm for 20 critical sewer pump stations has been added. Scope also includes bid and construction support of the design-build project of GPWA SCADA EMS project.
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CONSTRUCTION EE 09-08, EE 09-09	SCADA Phase A-1 Construction (G4S Security)	Start Date: July 13, 2018
100% Construction	Activities/Notes: Final Payment was issued on 12/07/2020. This contract is now closed; defect detection period expires on 06/30/2021.	Completion Date: December 31, 2019
	Construction services	
Project Description:	The work performed under this project procurement shall consist of Construction of SCADA ready instrumentation at several water and wastewater facilities throughout the island.	

CONSTRUCTION MANAGEMENT EE 09-08, EE 09-09	SCADA Phase A-1 Construction Management (GHD)	Start Date: July 13, 2018
100% Complete (due to increased contract amount and unbilled balance)	Activities/Notes: GHD submitted final billing; COP processed , pending payment. Close out change order to de-obligate submitted. Pending budget certification and GM Signature.	Completion Date: January 25, 2021
	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the installation SCADA ready instrumentation at several water and wastewater facilities throughout the island. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	

F. GIS Section

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

MAPPING MC 05-02	Island Wide Survey PH II - (Duenas, Camacho & Ass.)	Start Date: August 30, 2017
80% complete	Activities/Notes: First 3 land registration maps signed by GWA GM. Submitted to DCA for DLM survey process.	Completion Date: December 2019 - Request for extension sent to GM 10/29/2019 – due to myriad of reasons, extended periods of inclement weather, delays in DLM Survey review and approval of property maps and changes of additional scope of survey work.
	Survey services	
Project Description:	The work performed under this project procurement shall consist of a professional land surveyor conducting field work to mark corners of existing government properties as a means of severing out portions of the larger property to be deeded to GWA. Surveyor shall also prepare all necessary maps and documents for recording at DLM.	

G. Permits SectionPERMITS
MONTHLY REPORT 2021

Description	2021												TOTAL
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Building Permit	26	24	24										74
Occupancy Permit	11	11	11										33
New Installation	19	30	31										80
Sewer Application	0	4	4										8
Sewer Inspection	0	0	1										1
Private Utility Acceptance	0	1	1										2
Relocation of Water Meter	2	1	2										5
Tapping-Water	1	1	1										3
Tapping-Sewer	1	0	1										2
Clearance-Water	25	50	51										126
Clearance-Sewer	1	0	0										1
Highway Encroachment	9	13	13										35
Verification of Utilities	14	12	12										38
Fire Flow Test	1	0	2										3
Schedule Water Outage	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 **MARCH** 2021

Description	2021											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Building Permit	35	25	25									
Occupancy Permit	0	0	0									
New Installation	56	24	23									
Sewer Application	0	0	0									
Sewer Inspection	0	0	7									
Private Utility Acceptance	0	10	7									
Relocation of Water Meter	259	81	57									
Tapping-Water	93	35	35									
Tapping-Sewer	0	0	123 ^{a1}									
Clearance-Water	4	3	3									
Clearance-Sewer	7	0	0									
Highway Encroachment	0	0	0									
Verification of Utilities	16	43	43 ^{a2}									
Fire Flow Test	16	0	3									
Schedule Water Outage	0	0	0									

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

- a1** Contractor was not ready to schedule sewer tapping requests until months later
- a2** Some VOU replies were delayed when other staff assignments needed urgent responses


H. USEPA SRF Project Status Report

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

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

Percentage Key:

100%	Approved by GM
99%	Signature required from either Accounting/Legal/GM
98%	Processing engineering service or construction contract (with legal)
95%	Request for CCU approval (GM/engineering)
90%	A/E fee negotiation or contractor bid evaluation (engineering)
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 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 04/01/2021
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. Also, Archaeological monitoring through HDR contract. HDR CO for archaeological monitoring and additional construction services approved by GWA. This CO includes design services for Phase II (Adelup to Hagatna).
			Construction	2	11/9/2018	3/30/2021	\$6,275,783.00	InfraTech	InfraTech (via Allied Trenchless) completed Cleaning/CCTV for areas they were able to access. CO #5 executed. Continuation of last point repair. Expected to be completed this week. CCTV of Asan River crossing done. Concluded it can be cleaned and lined. Pavement restoration of trench crossing Rte. 1 into the Asan Pump Station completed. Contractor claiming for re-ordering CIPP materials (\$166K). Preliminary recommendation by CM and PM is that the claim is unwarranted. ITI arguing to get paid for additional cleaning. Change Order #6 for interior point repairs to be forwarded to GWA this week. Allied crew out of quarantine. First segment of CIPP lining completed. Second section started this week.
			Construction (Phase II)				\$ 8,000,000.00	CoreTech	Adelup to Hagatna. Contract awarded, signed by GWA and CoreTech. Pre-con held last week. Contractor assembling submittals and Schedule of Values. First payment request for mobilization reviewed and submitted for processing.
			CM	2	8/3/2017	3/8/2020	\$ 870,610.41	DCA	Working with Contractor on schedule, submittals, responding to RFIs, and assisting in the negotiations of PCO costs. Fee proposal for CM services for Phase 2 submitted and accepted by GWA. Change Order to add CM for Phase 2 prepared for GWA. CO pending GWA execution.

GWA Work Session - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 04/01/2021
4	Route 2 Agat War in the Pacific Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	3	11/17/2015	3/30/2017 for Design requirements	\$ 316,681.00	SSFm	Providing designer support during construction. Final invoice submitted to GWA on 05/01/2020. Project is completed.
			Construction	3	8/31/2017	10/1/2018 (Contractor in LD period)	\$4,688,042.38	ProPacific Builders	FOIA request. Currently gathering correspondence records and contract documents. PPBC needs to submit final CCTV and paperwork for review and acceptance of pipe between SMH 2 through 10. All work now completed. PPBC submitted a request for CO to resolve excess excavated materials, time extension, LD time, and other costs to BC. CO sent to GWA but prior to executing, the matter of LD assessment must be resolved. BC is working on this now. The final payment request is to accompany the change order to reconcile contract obligation amount. BC requesting final invoice from PPBC together with final As-Builts. BC working with GWA on assessment of LDs and Special Damages. Working on final payment quantities. Change Order #5 revised to include LDs and sent to PBC for signature. Pending signature by PPBC. GWA preparing a 5427 determination. PPBC signed CO#5. Final Payment Request received from contractor and sent to GWA for payment.
			Construction (Phase 2)						B&C working with HDR to prepare bid documents for RT1 Asan-Adelup-Agana PH2.
			CM	3	9/19/2017	10/1/2018	\$ 749,950.00	TG Engineers	As-built drawings received from TG and forwarded to GWA. Project completed.
7	Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5)	Brown & Caldwell	Design	6	5/27/2016	2/28/2018 (for design only)	\$ 1,758,247.00	AECOM	Bid and Construction Support Services on hold until construction IFB is issued.
			Construction	4					No firm submitted a bid proposal. GWA Project Engineer to reassess and make additional changes to the bid package (ongoing). At this time, no response from potential firms (Well Drillers). Only two well drillers on Guam.
			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 - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 04/01/2021
12	Route 4 Relief Sewer Line Rehabilitation and Replacement	Brown & Caldwell	Design	9	3/1/2016	4/22/2017	\$ 794,000.00	AECOM	AECOM concluded that the intertie pipe that was installed with deviations (not first approved) from the design plans does not have a significant effect on the performance of either sewer line. GWA asked for concurrence of acceptance. GWA accepted as constructed.
			Construction	5	9/3/2018	6/30/2020	\$ 3,998,688.00	Insituform	CCU approved CO #5 to increase contingency authorization. Submitted CO #6 submitted to GWA for approval. Decision by GWA regarding LDs needed to process final payment. Pending response from Barbara Cruz. GWA added time to contract. Final LDs based on 2 days. Final Payment submitted to GWA.
				6	9/25/2018	6/30/2020	\$ 3,407,848.00	ProPacific	PPBC completed all work under this contract. Final inspection on 10/19. Substantial Completion was on 10/09/2020. Final completion was on 10/13/2020. Pending Final Payment request. Change Order #6 submitted to GWA for approval. Final invoice to follow execution of CO #6.
			CM	6	11/15/2018	12/31/2019	\$ 702,678.13	EMPSCO	Consultant assembling close-out documentation.
14	Southern SSES Sewer Rehabilitation (Baza Gardens- Talofofo)	Brown & Caldwell	Design				The design was previously completed under bond funding.		
			Construction	8	8/2/2016	Due to issue related to Santa Rita sewer project completion under analysis.	\$ 1,189,815.00	ProPacific	Santa Rita • Permits/Easement - SHPO: JMJ mentioned an approval response by this week (03/22/2021) - CatEx to be completed after approval. - Easement: Right of Entry signed by property owner. : Reviewing proposal from surveyor. • Construction - Waiting for SHPO and CatEX to be completed. - Working with GPA to establish 3-phase power connection to lift station.
			CM	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	Closed out. Does USEPA need anything?

GWA Work Session - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 04/01/2021
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"> Due to a downed backhoe, backfill and compaction is on hold for initial point repair at Site 3. Contractor started mobilization Site 1 (Winner Apartments) on 03/16/2021. Excavation/trenching began on 03/19/2021. Contractor submitted RFI #3, 03/24/2021 requesting ability to trench beyond 100 LF as specified on the plan drawings. Construction was halted pending response from EOR. Contractor started concurrently working at Site 3 performing manhole rehabilitation work on 03/25/2021 in lieu due to downed backhoe and RFI. Repair parts have been ordered and shipped for backhoe. EOR submitted response to RFI on 03/30/2021. Contractor resumed trenching work at Site 1 on 03/31/2021. Utility water and communication line crossings encountered on 04/01/2021. Contractor working with GWA for water utility clearance. Contractor conducted bypass pump testing prior to commencing sewer pipe replacement at first segment between MH 620 to MH 620A on 04/05/2021. Change order cost proposal for new point repair at Site 3 still pending from Contractor.
			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)	J. Miller	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	11/30/2017	\$ 493,818.86	EMPSCO	<ul style="list-style-type: none"> Construction Cost Estimates and Final Design documents were accepted on 02/04/2021. Reviewing sewer connection laws and regulations for establishing updated expected flows.
			Construction	10	12/27/2018	5/29/2020	\$ 2,411,418.00	Giant Const.	<ul style="list-style-type: none"> Latest letter from GWA extends project completion date to 08/31/2020. Giant currently working on an updated time extension letter. Giant working on punch list items. New auto-dialers still with IT&E for testing. Giant had to order longer cables for the generators to meet the 50ft minimum requirement. Giant continuing to monitor lift stations. Ayuyu and Ladera 2 float levels are still under adjustments by JMI. Giant also noted issues with the installation of sensor wires and cable anchors. <p>No new invoices received.</p>
			CM		12/1/2018	12/31/2019			GWA Engineering will manage construction management tasks.

GWA Work Session - DIVISION REPORTS

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 04/01/2021
18	Water Hydraulic Model (SCADA ready instruments to update Model)	Barbara Cruz J. Mendiola/G. Yeoh	Design	12	8/3/2016	3/15/2017	\$ 523,268.00	GHD	Design complete.
			Construction (Phase I)	12	8/3/2016	6/30/2020	\$ 4,532,000.00	Sumitomo	<ul style="list-style-type: none"> CO #1 (Additive Bid) & CO #2 (Time Extension) - Pending. 5 of 9 sites work in progress (Ysengsong, Clara, Kaiser, Okkodo, and Carnation). Pending sites Maimai, Yigo Reservoir, Astumbo Reservoir, Terao PRV.
			CM		6/15/2019	6/30/2020			
23	Project Advertisement	Engineering/Procurement	MISC	1			\$ 25,172.50	PDN/Post	On-going
24	Dungca Beach Sewer Improvements	GWA CIP Engr	Design						1) GWA will finalize the cost and contract document will be processed; 2) General Construction Permit "GCP" and SWWP not included in the scope of work.
25	Hagatna Sewer Pump Station Force Main	GWA CIP Engr	Design						<ul style="list-style-type: none"> A/E Service Procurement. GHD submitted insurance policy 03/23/2021. Contract with GM's office for review and approval. NEPA documents are still in progress. SHPO requires an Archaeological Monitoring Plan.
26	Fujita Sewer Pump Station Force Main	GWA CIP Engr	Design						<ul style="list-style-type: none"> A/E (AECOM) submitted design cost fee proposal on 02/16/2021. Proposal under GWA review.
27	2021 Well Rehab (A-28, M-14, D-15 & F-7)	GWA CIP Engr	Design						Draft RFP with Chief Engineer for review. Project is to be assigned to J Mendiola. RFP to be advertised in mid April.

\$ 70,381,861.14



Financial Statement Overview

March 2021

There were 73 COVID-19 positive tests and 3 COVID-related fatalities reported during the month of March. Executive Order 2021-07 extended the public health emergency from April 4, 2021 to May 1, 2021.

In early November 2020, the Governor introduced the *Strive for Five* campaign to bring down our CAR (COVID Area Risk) score to 5 or less in hopes of moving the community towards some semblance of normalcy. On March 31, 2021, the island's CAR score was at .2 and mass testing was available to the public at no charge at various locations throughout the island.

By the end of March, Guam had received 87,860 vaccines and 83,519 or 96.89% were administered and 31,668 persons fully immunized. On March 22, eligibility was expanded to persons 16 years old and older. The National Guard has been administering vaccines at the UOG fieldhouse and vaccines are also widely available through certain clinics and pharmacies.

Despite the pandemic, about a third of payments continue to be made in person. Using social media, GWA continues to encourage customers to conduct business online or via the phone. As part of this effort, GWA joined the *Going Online Together* campaign in June 2020 with several other organizations. Additionally, CARES funding was approved to customize an automated customer service online support portal which will also include requests for permitting and submissions related to backflow testing on the GWA website; the prototype is in testing.

On April 28, 2020, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. To date, approximately 44% of payments made in FY21 were made with credit cards. Below is a summary of payments made and related fees exceeding the limit.

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October – December 2020	100	\$194,764	\$3,916	2.01%
January 2021	27	\$48,491	\$975	2.01%
February 2021	41	\$91,653	\$1,843	2.01%
March 2021	54	\$132,743	2,669	2.01%

Compared to last year, water consumption is up by 1% and wastewater flows are down 3% for the month of March. Water consumption in all customer classes for the month fell except for consumption in the Residential, Federal and local Government classes. Wastewater flows decreased for all classes except for Government and Residential, both of which increased by 10%.

Both Year to Date (YTD) water and wastewater demand were 9% lower than last year. Although residential demand is up by 5% for water and 7% for wastewater and Federal Government water demand is up 85%, it was not enough to offset reductions in the other customer classes.



YTD daily water consumption for the period is down 9% from 16,167 to 14,807 Kgals. YTD daily water consumption for the residential class increased by 6%, from 9,558 to 10,195 Kgals. The largest drop in YTD daily water consumption was in the hotel class, a 124% drop going from 2,704 to 1,206 Kgals.

Schools welcomed back students on January 19, 2021 with parents able to choose face to face, online or hard copy instruction; we hope to see GDOE consumption increase as more activities are held at the schools. In March, Department of Public Health reduced social distancing requirements for schools from 6 to 3 feet. While Government of Guam has reopened to the public, adopting procedures to protect staff and customers, it is unclear when UOG and GCC might hold in person classes. See Schedule K for Water Demand for FY2015 to FY2021.

The Department of Administration (DOA) sent a list of 18 accounts of renters applying for utility assistance. Account balances were provided; however, it is unclear when GWA might receive payment. Once funding becomes available, DOA will also administer the homeowner assistance program which also includes assistance for utilities.

The Governor designated GWA as the lead agency for the Low-Income Household Water Assistance Program that will be funded by US Department of Health and Human Services. A virtual information and feedback session is scheduled for April 20.

The Governor kicked off the Path to Half initiative to achieve 50% vaccination of the adult population in Guam, i.e., 62.5K people, by May 1, in time for the reopening of Guam to tourism. The plan calls for the waiver of the 14-day quarantine requirement for incoming travelers with a negative COVID test within the previous 72 hours. The CDC lowered Guam's COVID-19 Travel Risk to Level 2 (Moderate) in early April. Travelers at increased risk for severe illness from COVID-19 should avoid nonessential travel to Level 2 destinations.

The Guam International Airport will be discounting fees to airlines as an incentive. Additionally, starting May 1, the airport plans to offer COVID-19 testing at the terminal for passengers who need to be tested before leaving the island.

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

The system upgrade is progressing, with the cutover scheduled for May 10. A User Acceptance Test (UAT) began in late March and will allow all staff the ability to test the new software. Staff training started on April 15. Several paper-based processes will be automated, and we hope to see a number of efficiencies with the implementation of the new system.

The PUC required studies were submitted on March 31, 2021 and the updated financial plan and related model will be submitted on May 1. A Resolution is included for the CCU's deliberation to approve the proposed financial plan for FY22-FY24. The PUC Administrative Law Judge (ALJ) received GWA's proposed proceedings schedule (second proposal from GWA) on April 16 and the ALJ will be issuing a scheduling order the following week.

Balance Sheet

- Total Assets & Deferred Outflows of Resources of \$1.152B in September 2020 decreased by \$766K or less than 1% in March 2021. Current Assets decreased by \$7.7M primarily due to reductions in federal receivables and prepaid expenses. Property, Plant and Equipment increased by \$14.4M due to increases



in property net of accumulated depreciation and construction in progress. Other Noncurrent Assets decreased by \$7M primarily due to reductions in restricted cash. Cash on hand was calculated at 291 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

- Liabilities & Deferred Inflow of Resources of \$889.1M in September 2020 decreased by \$11.4M or 1% to \$877.7M in March 2021 primarily due to reductions in contractors payable.
- Accounts Receivable days were 48 days in March 2021, down one day from 49 in February 2021. Accounts Payable days were 34 days in March, up two days from 32 days in February 2021.

Statement of Operations and Retained Earnings

- Total Operating Revenues for March 2021 of \$8.5M were 10% or \$955K less than budget and 3% or \$286K less than March 2020 due to the impact of the COVID-19 public health emergency and offset by the 5% rate increase effective in October 2020.
- Year to Date Operating Revenues as of March 2021 of \$49.8M were 12% or \$7.0M below budget of \$56.9M and \$5.7M or 10% below Year-to-Date Operating Revenues at March 2020 of \$55.5M.
- Below is the percentage of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2021 and FY2020 Year to Date as of March as well as the revenue totals:

Customer Class	FY2021		FY2020	
○ Residential	\$24,538,403	50.33%	\$22,239,562	40.56%
○ Commercial	\$9,930,475	20.37%	\$11,371,678	20.74%
○ Hotel	\$6,235,196	12.79%	\$13,245,673	24.16%
○ Government of Guam	\$4,868,946	9.99%	\$4,839,141	8.83%
○ Federal Government	\$2,917,925	5.98%	\$2,852,191	5.20%
○ Agriculture, Golf Course, Irrigation	\$267,162	0.55%	\$283,586	0.52%

- Total Operating Expenses for March 2021 of \$7.1M were \$330K or 4% lower than budget. Total Operating Expenses for March 2021 were 1% or \$64K more than March 2020 with decreases in utilities offset by increases in most other expense categories.
- Year to Date Operating Expenses at March 2021 of \$41.3M were \$3.5M or 8% lower than budget. Year to Date Operating Expenses in March 2021 were \$2.3M or 5% less than last year's \$43.6M.
- Earnings from Operations for March 2021 of \$1.4M were 31% or \$624K less than budget and 20% or \$350K less than March 2020. Change in Net Assets for March 2021 of \$2.9M were 3% or \$76K more than the \$2.8M budget and \$2.9M more than March 2020 mainly due to Grants from the US Government.
- Year to Date Earnings from Operations as of March 2021 of \$8.6M were 29% or \$3.5M less than budget of \$12M and 28% or \$3.4M less than YTD Earnings of \$11.9M as of March 2020. Year to Date Change in Net Assets as of March 2021 of \$10.7M were \$6.1M or 36% less than budget of \$16.8M. Year to Date Change in Net Assets as of March 2021 were \$4.8M or 31% less than YTD as of March 2020 of \$15.5M with increase of \$4.1M in Non-Operating Expenses.

**Key Financial Indicators**

Indicator	Target	February 2021	March 2021
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.34	1.33
• Per PUC / CCU	1.40	1.34	1.33
Days – Cash on Hand	120 days	293 days	291 days
Collection Ratio			
• Month to Date	99%	97%	100%
• Year to Date	99%	95%	96%
Days Billed	30 days	29 days	29 days
Account Receivable Days	30 days	49 days	48 days
Account Payable Days	45 days	32 days	34 days
Employee Count	400 FTE	370 FTE	365 FTE
Water Demand			
• Month to Date	478,754	438,854	450,669
• Year to Date	2,872,525	2,199,768	2,650,438
Wastewater Flow			
• Month to Date	356,472	320,727	309,455
• Year to Date	2,138,834	1,565,754	1,875,208
Water Customers	42,839	43,202	43,306
Wastewater Customers	29,805	29,867	29,830

GUAM WATERWORKS AUTHORITY
March 31, 2021
FINANCIAL AND RELATED REPORTS
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GWA Work Session - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Balance Sheet
March 31, 2021

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited March 31, 2021	Audited September 30, 2020	Increase (Decrease)
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule G)	43,691,355	42,479,412	1,211,944
Restricted Funds (Schedule G)	30,570,272	30,072,502	497,771
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$7,480,758 at Mar 31, 2021 and \$8,027,857 at Sep 30, 2020	12,913,400	12,562,296	351,105
Federal Receivable	908,722	8,168,373	(7,259,651)
Other Receivable	584,288	934,147	(349,859)
Prepaid Expenses	630,474	2,615,782	(1,985,308)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Mar 31, 2021 and \$64,131 at Sep 30, 2020	4,623,838	4,804,463	(180,625)
Total Current Assets	93,922,350	101,636,973	(7,714,624)
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	379,393,153	378,498,710	894,443
Wastewater system	493,141,426	481,549,640	11,591,786
Non-utility property	25,878,454	25,752,939	125,515
Total property	898,413,033	885,801,289	12,611,744
Less: Accumulated Depreciation	(355,925,779)	(343,128,759)	(12,797,020)
Land	5,240,187	5,240,187	-
Construction Work in Progress	164,929,272	150,323,845	14,605,427
Property, Plant and Equipment, net	712,656,713	698,236,562	14,420,151
<u>Noncurrent assets</u>			
Restricted cash (Schedule G)	206,370,246	219,203,039	(12,832,793)
Investments (Schedule G)	72,310,970	66,616,997	5,693,973
Total other noncurrent assets and deferred charges	278,681,216	285,820,035	(7,138,819)
Total Assets	1,085,260,279	1,085,693,571	(433,292)
Deferred outflows of resources			
Regulatory Assets	1,131,229	430,962	700,267
Debt defeasance due to bond refunding	32,319,219	33,351,801	(1,032,582)
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	1,151,630,808	1,152,396,416	(765,608)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,840,000	2,695,000	145,000
Series 2014 Refunding Bond	530,000	3,760,000	(3,230,000)
Series 2016 Revenue Bond	3,860,000	420,000	3,440,000
Series 2017 Refunding Bond	2,040,000	-	2,040,000
Accounts Payable -Trade	3,108,439	2,701,944	406,495
Accrued and Other Liabilities	1,401,529	1,238,863	162,667
Interest Payable	7,441,751	6,304,598	1,137,153
Accrued Payroll and Employee Benefits	311,223	354,780	(43,557)
Current portion of employee annual leave	521,113	616,114	(95,001)
Contractors' Payable	10,983,432	23,311,295	(12,327,863)
Customer and Other Deposits	2,175,255	2,199,462	(24,207)
Total Current Liabilities	35,212,742	43,602,055	(8,389,313)
<u>Long Term Debt, less current maturities</u>			
Series 2013 Revenue Bond	24,500,000	24,645,000	(145,000)
Series 2014 Refunding Bond	64,610,000	61,380,000	3,230,000
Series 2016 Revenue Bond	139,030,000	142,470,000	(3,440,000)
Series 2017 Refunding Bond	105,325,000	107,365,000	(2,040,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	41,592,429	42,515,523	(923,094)
Net pension liability	54,387,676	54,387,676	-
Net OPEB obligation	84,163,331	84,163,331	-
Employee Annual Leave, Less Current Portion	1,274,196	1,179,195	95,001
Employee Sick Leave	1,226,702	1,226,702	-
Total Liabilities	851,397,076	863,009,482	(11,612,406)
Deferred inflows of resources:			
Contribution in Aid of Construction	247,230	67,608	179,622
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	877,670,635	889,103,419	(11,432,785)
Net Assets	273,960,174	263,292,997	10,667,177
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,151,630,808	1,152,396,416	(765,608)

GWA Work Session - DIVISION REPORTS

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

SCHEDULE B

	Month to Date		Variance
	Actual (Unaudited)	Budget*	Favorable /
	March-21	March-21	(Unfavorable)
OPERATING REVENUES			
Water Revenues	5,454,583	5,863,373	(408,791)
Wastewater Revenues	2,572,781	3,226,426	(653,645)
Legislative Surcharge	244,362	274,214	(29,852)
Other Revenues	30,461	35,895	(5,434)
System Development Charge	220,499	77,442	143,057
Total Operating Revenues	8,522,685	9,477,350	(954,665)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	496,188	718,609	222,421
Power Purchases	1,043,200	1,082,131	38,931
Total Utility Costs	1,539,388	1,800,740	261,352
Salaries and Wages	1,633,271	1,769,221	135,950
Pension and Benefits	628,805	606,991	(21,813)
Total Salaries and Benefits	2,262,075	2,376,212	114,137
Capitalized Labor and Benefits	(301,004)	(308,333)	(7,329)
Net Salaries and Benefits	1,961,072	2,067,879	106,807
Administrative and General Expenses			
Sludge removal	131,701	131,907	206
Chemicals	180,755	180,846	90
Materials & Supplies	163,569	217,935	54,367
Transportation	43,102	43,148	46
Communications	12,600	14,528	1,929
Claims	614	4,631	4,016
Insurance	78,330	78,385	55
Training & Travel	120	2,971	2,851
Advertising	11,864	11,896	32
Miscellaneous	93,984	93,996	12
Regulatory Expense	8,958	17,855	8,896
Bad Debts Provision	165,435	165,463	29
Total Administrative and General Expense	891,032	963,561	72,529
Depreciation Expense	2,140,873	1,855,919	(284,954)
Contractual Expense			
Audit & Computer Maintenance	124,373	124,404	31
Building rental	41,373	41,382	9
Equipment rental	24,213	31,024	6,811
Legal	-	468	468
Laboratory	35,443	35,447	4
Other	114,271	267,774	153,503
Total Contractual Expense	339,673	500,500	160,826
Retiree Supp. Annuities and health care costs	217,614	233,386	15,772
Contribution to Government of Guam	50,333	48,546	(1,787)
Total Retiree Benefits	267,947	281,932	13,985
Total Operating Expenses	7,139,985	7,470,530	330,545
Earnings (Loss) from Operations	1,382,700	2,006,820	(624,119)
Interest Income - 2010/13/14/16/17/20 Series Bond	1,793	128,299	(126,507)
Interest Income - Other Funds	678	29,550	(28,872)
Interest Income - SDC	509	2,488	(1,978)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,480,584)	(2,638,329)	157,746
Amortization of Discount, Premium and Issuance Costs	156,349	(23,078)	179,427
Defeasance due to bond refunding	(172,097)	(22,439)	(149,658)
Prior Year Adjustment	(4,372)	-	(4,372)
Total non-operating revenues (expenses)	(2,497,723)	(2,523,508)	25,784
Net Income (Loss) before capital contributions	(1,115,023)	(516,688)	(598,335)
Capital Contributions			
Grants from US Government	3,985,504	3,311,071	674,433
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	3,985,504	3,311,071	674,433
Change in Net Assets	2,870,481	2,794,383	76,098
Debt Service Calculation			
Earnings From Operations	1,382,700	2,006,820	
System Development Charge	(220,499)	(77,442)	
Retiree COLA	50,333	48,546	
Interest/Investment Income	678	29,550	
Depreciation	2,140,873	1,855,919	
Balance Available for Debt Service per Section 6.12	3,354,086	3,863,393	
Debt Service			
Principal	772,500	772,500	
Interest	1,847,251	1,996,663	
Total	2,619,751	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	

*Adjusted budget

GWA Work Session - DIVISION REPORTS

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

SCHEDULE C

	Month to Date		Variance
	Actual (Unaudited) March-21	Actual (Unaudited) March-20	Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	5,454,583	5,429,776	24,806
Wastewater Revenues	2,572,781	2,935,280	(362,499)
Legislative Surcharge	244,362	254,657	(10,294)
Other Revenues	30,461	18,787	11,673
System Development Charge	220,499	170,282	50,217
Total Operating Revenues	8,522,685	8,808,782	(286,097)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	496,188	645,791	(149,603)
Power Purchases	1,043,200	1,232,680	(189,479)
Total Utility Costs	1,539,388	1,878,470	(339,082)
Salaries and Wages	1,633,271	2,031,038	(397,767)
Pension and Benefits	628,805	543,183	85,622
Total Salaries and Benefits	2,262,075	2,574,220	(312,145)
Capitalized Labor and Benefits	(301,004)	(709,986)	408,982
Net Salaries and Benefits	1,961,072	1,864,235	96,837
Administrative and General Expenses			
Sludge removal	131,701	119,822	11,879
Chemicals	180,755	163,036	17,719
Materials & Supplies	163,569	118,860	44,709
Transportation	43,102	33,969	9,133
Communications	12,600	10,548	2,052
Claims	614	-	614
Insurance	78,330	77,860	470
Training & Travel	120	1,425	(1,305)
Advertising	11,864	11,885	(21)
Miscellaneous	93,984	110,734	(16,750)
Regulatory Expense	8,958	8,319	640
Bad Debts Provision	165,435	172,388	(6,954)
Total Administrative and General Expense	891,032	828,845	62,186
Depreciation Expense	2,140,873	2,012,611	128,262
Contractual Expense			
Audit & Computer Maintenance	124,373	40,590	83,783
Building rental	41,373	36,253	5,120
Equipment rental	24,213	67,288	(43,075)
Laboratory	35,443	19,625	15,818
Other	114,271	85,633	28,638
Total Contractual Expense	339,673	249,389	90,284
Retiree Supp. Annuities and health care costs	217,614	192,545	25,068
Contribution to Government of Guam	50,333	50,333	-
Total Retiree Benefits	267,947	242,878	25,069
Total Operating Expenses	7,139,985	7,076,429	63,556
Earnings (Loss) from Operations	1,382,700	1,732,353	(349,653)
Interest Income - 2010/13/14/16/17/20 Series Bond	1,793	196,569	(194,776)
Interest Income - Other Funds	678	48,408	(47,730)
Interest Income - SDC	509	5	505
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,480,584)	(2,117,099)	(363,485)
Interest Expense - ST BOG	-	(5,934)	5,934
Amortization of Discount, Premium and Issuance Costs	156,349	119,970	36,379
Defeasance due to bond refunding	(172,097)	(68,976)	(103,121)
Prior Year Adjustment	(4,372)	(300)	(4,072)
Total non-operating revenues (expenses)	(2,497,723)	(1,827,357)	(670,366)
Net Income (Loss) before capital contributions	(1,115,023)	(95,004)	(1,020,019)
Capital Contributions			
Grants from US Government	3,985,504	-	3,985,504
Grants from GovGuam & Others	-	6,250	(6,250)
Total Capital Contributions	3,985,504	6,250	3,979,254
Change in Net Assets	2,870,481	(88,754)	2,959,235
Debt Service Calculation			
Earnings From Operations	1,382,700	1,732,353	
System Development Charge	(220,499)	(170,282)	
Retiree COLA	50,333	50,333	
Interest/Investment Income	678	48,408	
Depreciation	2,140,873	2,012,611	
Balance Available for Debt Service per Section 6.12	3,354,086	3,673,423	
Debt Service			
Principal	772,500	730,833	
Interest	1,847,251	2,117,099	
Total	2,619,751	2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.28	1.29	
Debt Service Coverage (1.40X) (PUC)	1.28		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.29	

GWA Work Session - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending February 28, 2021

SCHEDULE D

	Year to Date		Variance
	Actual (Unaudited)	Budget*	Favorable /
	March-21	March-21	(Unfavorable)
OPERATING REVENUES			
Water Revenues	32,025,121	35,180,239	(3,155,119)
Wastewater Revenues	15,301,040	19,358,554	(4,057,514)
Legislative Surcharge	1,431,958	1,645,285	(213,327)
Other Revenues	257,782	215,369	42,414
System Development Charge	826,876	464,652	362,224
Total Operating Revenues	49,842,777	56,864,099	(7,021,322)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	3,092,056	4,311,653	1,219,597
Power Purchases	5,917,300	6,492,789	575,489
Total Utility Costs	9,009,356	10,804,442	1,795,086
Salaries and Wages	9,439,179	10,615,324	1,176,145
Pension and Benefits	3,589,873	3,641,948	52,074
Total Salaries and Benefits	13,029,052	14,257,272	1,228,220
Capitalized Labor and Benefits	(1,822,237)	(1,850,000)	(27,763)
Net Salaries and Benefits	11,206,816	12,407,272	1,200,457
Administrative and General Expenses			
Sludge removal	798,380	798,443	63
Chemicals	818,559	1,148,173	329,614
Materials & Supplies	710,877	949,512	238,635
Transportation	230,913	231,286	373
Communications	80,094	87,170	7,077
Claims	25,565	31,084	5,519
Insurance	469,982	470,112	130
Training & Travel	9,436	165,925	156,490
Advertising	29,734	68,076	38,342
Miscellaneous	558,331	561,377	3,046
Regulatory Expense	80,396	144,928	64,532
Bad Debts Provision	975,161	975,279	118
Total Administrative and General Expense	4,787,427	5,631,365	843,938
Depreciation Expense	12,793,252	11,135,516	(1,657,736)
Contractual Expense			
Audit & Computer Maintenance	644,649	644,924	275
Building rental	248,238	248,311	74
Equipment rental	166,103	437,445	271,343
Legal	-	3,376	3,376
Laboratory	102,714	212,294	109,580
Other	759,191	1,606,646	847,456
Total Contractual Expense	1,920,894	3,152,997	1,232,103
Retiree Supp. Annuities and health care costs	1,262,477	1,400,314	137,837
Contribution to Government of Guam	302,000	291,276	(10,724)
Total Retiree Benefits	1,564,477	1,691,590	127,113
Total Operating Expenses	41,282,222	44,823,182	3,540,960
Earnings (Loss) from Operations	8,560,555	12,040,917	(3,480,362)
Interest Income - 2010/13/14/16/17/20 Series Bond	13,050	769,797	(756,747)
Interest Income - Other Funds	4,018	177,303	(173,284)
Interest Income - SDC	12,203	14,925	(2,722)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(15,120,669)	(15,829,975)	709,306
Contributions from Federal Government	188,768	-	188,768
Federal Expenditures	(124,192)	-	(124,192)
Amortization of Discount, Premium and Issuance Costs	936,344	(138,465)	1,074,809
Defeasance due to bond refunding	(1,032,582)	(134,632)	(897,951)
Prior Year Adjustment	(82,892)	-	(82,892)
Total non-operating revenues (expenses)	(15,205,952)	(15,141,048)	(64,904)
Net Income (Loss) before capital contributions	(6,645,397)	(3,100,130)	(3,545,266)
Capital Contributions			
Grants from US Government	17,305,468	19,866,428	(2,560,960)
Grants from GovGuam & Others	7,106	-	7,106
Total Capital Contributions	17,312,574	19,866,428	(2,553,855)
Change in Net Assets	10,667,177	16,766,298	(6,099,121)
Debt Service Calculation			
Earnings From Operations	8,560,555	12,040,917	
System Development Charge	(826,876)	(464,652)	
Retiree COLA	302,000	291,276	
Interest/Investment Income	4,018	177,303	
Depreciation	12,793,252	11,135,516	
Balance Available for Debt Service per Section 6.12	20,832,949	23,180,359	
Debt Service			
Principal	4,635,000	4,635,000	
Interest	11,083,508	11,979,975	
Total	15,718,508	16,614,975	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.33	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.33	1.40	

*Adjusted budget

GWA Work Session - DIVISION REPORTS

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

SCHEDULE E

	Year to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	March-21	March-20	(Decrease)
OPERATING REVENUES			
Water Revenues	32,025,121	33,819,709	(1,794,588)
Wastewater Revenues	15,301,040	19,299,116	(3,998,076)
Legislative Surcharge	1,431,958	1,713,005	(281,048)
Other Revenues	257,782	302,664	(44,882)
System Development Charge	826,876	370,826	456,051
Total Operating Revenues	49,842,777	55,505,320	(5,662,543)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	3,092,056	3,614,135	(522,079)
Power Purchases	5,917,300	7,875,417	(1,958,118)
Total Utility Costs	9,009,356	11,489,553	(2,480,197)
Salaries and Wages	9,439,179	9,956,176	(516,997)
Pension and Benefits	3,589,873	3,119,672	470,201
Total Salaries and Benefits	13,029,052	13,075,848	(46,796)
Capitalized Labor and Benefits	(1,822,237)	(2,140,283)	318,047
Net Salaries and Benefits	11,206,816	10,935,565	271,251
Administrative and General Expenses			
Sludge removal	798,380	718,931	79,449
Chemicals	818,559	997,284	(178,726)
Materials & Supplies	710,877	940,009	(229,132)
Transportation	230,913	274,862	(43,949)
Communications	80,094	65,278	14,816
Claims	25,565	31,693	(6,128)
Insurance	469,982	467,387	2,596
Training & Travel	9,436	96,159	(86,724)
Advertising	29,734	22,178	7,555
Miscellaneous	558,331	555,844	2,487
Regulatory Expense	80,396	197,241	(116,845)
Bad Debts Provision	975,161	1,097,506	(122,344)
Total Administrative and General Expense	4,787,427	5,464,372	(676,945)
Depreciation Expense	12,793,252	12,048,279	744,973
Contractual Expense			
Audit & Computer Maintenance	644,649	335,924	308,725
Building rental	248,238	217,753	30,485
Equipment rental	166,103	504,762	(338,659)
Legal	-	18,082	(18,082)
Laboratory	102,714	118,525	(15,811)
Other	759,191	1,007,477	(248,286)
Total Contractual Expense	1,920,894	2,202,523	(281,628)
Retiree Supp. Annuities and health care costs	1,262,477	1,142,888	119,589
Contribution to Government of Guam	302,000	302,002	(2)
Total Retiree Benefits	1,564,477	1,444,890	119,587
Total Operating Expenses	41,282,222	43,585,182	(2,302,960)
Earnings (Loss) from Operations	8,560,555	11,920,138	(3,359,583)
Interest Income - 2010/13/14/16/17/20 Series Bond	13,050	1,119,639	(1,106,589)
Interest Income - Other Funds	4,018	294,829	(290,811)
Interest Income - SDC	12,203	59,067	(46,864)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(15,120,669)	(12,702,594)	(2,418,075)
Interest Expense - ST BOG	-	(38,142)	38,142
Contributions from Federal Government	188,768	-	188,768
Federal Expenditures	(124,192)	-	(124,192)
Loss on Asset Disposal	-	(118,143)	118,143
Amortization of Discount, Premium and Issuance Costs	936,344	719,819	216,525
Defeasance due to bond refunding	(1,032,582)	(413,853)	(618,729)
Prior Year Adjustment	(82,892)	(31,038)	(51,854)
Total non-operating revenues (expenses)	(15,205,952)	(11,110,416)	(4,095,536)
Net Income (Loss) before capital contributions	(6,645,397)	809,722	(7,455,119)
Capital Contributions			
Grants from US Government	17,305,468	14,684,422	2,621,046
Grants from GovGuam & Others	7,106	6,250	856
Total Capital Contributions	17,312,574	14,690,672	2,621,901
Change in Net Assets	10,667,177	15,500,394	(4,833,217)
Debt Service Calculation			
Earnings From Operations	8,560,555	11,920,138	
System Development Charge	(826,876)	(370,826)	
Retiree COLA	302,000	302,002	
Interest/Investment Income	4,018	294,829	
Depreciation	12,793,252	12,048,279	
Balance Available for Debt Service per Section 6.12	20,832,949	24,194,423	
Debt Service			
Principal	4,635,000	4,385,000	
Interest	11,083,508	12,702,594	
Total	15,718,508	17,087,594	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.33	1.42	
Debt Service Coverage (1.40X) (PUC)	1.33	1.42	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)			

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

SCHEDULE F

Funding Summary

Total available project funds	\$ 14,015,163
Total project expenditures and encumbrances	10,390,541
Total unobligated project funds	\$ 3,624,622

Projects Funded

Project Description	Expenditures	Outstanding Encumbrances	Expenditures and Encumbrances
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,150,881	3,090	1,153,971
Central Guam Reservoirs	274,240	5,800	280,040
Line Replacement Phase IV	-	256,937	256,937
Northern DWWTP	85,842	5,336,757	5,422,599
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.	-	151,207	151,207
	\$ 4,316,253	\$ 6,074,288	\$ 10,390,541

Future planned projects

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

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2021

SCHEDULE G

Description	Unaudited March 31, 2021	Unaudited September 30, 2020	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	4,450	4,450	-
BOG Deposit Accounts	8,451,934	5,561,165	2,890,770
BOG O & M Reserve	25,259,720	25,689,390	(429,671)
BOG CapEx Fund	9,973,251	11,222,407	(1,249,156)
Sub-total Unrestricted	43,691,355	42,479,412	1,211,944
RESTRICTED			
ANZ Bank	1,417	-	1,417
Bank Pacific	17,742	29,243	(11,501)
Bank of Hawaii	128,863	191,250	(62,387)
Community First FCU	3,655	1,976	1,680
First Hawaiian Bank	28,824	43,451	(14,627)
Bank Pacific Surcharge	1,187,320	420,680	766,639
Bank Pacific Escrow Deposit	821,634	842,331	(20,697)
BOG Customer Refunds	2,081,302	2,063,361	17,941
BOG Emergency Reserve Fund	6,244	6,243	-
BOG Sewer Hookup Revolving Fund	68,577	67,809	768
BOG Operation and Maintenance Fund	7,336,694	3,083,482	4,253,213
BOG Revenue Trust	376,314	254,619	121,694
BOG Revenue Trust Fund	2,694,750	7,929,291	(5,234,541)
BOG Capital Improvement Revenue Fund	5,595,877	5,361,363	234,514
	20,349,213	20,295,100	54,112
BOG - SDC Deposit	4,471,059	3,527,401	943,658
BOG - SDC CDs	5,750,000	6,250,000	(500,000)
Total SDC	10,221,059	9,777,401	443,658
Total Restricted	30,570,272	30,072,502	497,770
Reserve Funds			
BOG Series 2013 Construction Fund	5,806,980	8,647,934	(2,840,954)
BOG Series 2014 Refunding Construction Fund	219,110	219,099	11
BOG Series 2016 Construction Fund	62,994,053	68,518,206	(5,524,152)
BOG Series 2017 Refunding Construction Fund	5,421,644	6,206,732	(785,088)
BOG Series 2020A Construction Fund	122,994,274	-	122,994,274
BOG Series 2020A Capitalized Interest Fund	8,934,185	123,277,054	(114,342,868)
BOG Series 2020A Cost of Issuance Fund	-	12,283,633	(12,283,633)
B20B- BOG COI Fund 184000	-	50,382	(50,382)
Total Restricted - Held by Trustee	206,370,246	219,203,039	(12,832,793)
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	2,816,365	1,810,544	1,005,822
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	1,313,412	1,048,374	265,038
USB Series 2014 Refunding Debt Service Reserve Fund	7,735,586	7,735,395	191
USB Series 2016 Debt Service Fund	4,745,977	2,815,863	1,930,115
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,557	31,556	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	2,922,280	1,902,205	1,020,075
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	1,472,730	-	1,472,730
Total Investments	72,310,970	66,616,997	5,693,972
Total Restricted and Unrestricted Cash	352,942,844	358,371,949	(5,429,107)

GWA Work Session - DIVISION REPORTS

Guam Waterworks Authority
Accounts Receivable - Government (Active)
March 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	\$ 20,319	\$ 19,367	\$ 15,671	\$ 12,898	\$ 249,310	\$	317,564
Guam Power Authority	25	195,209	-	-	-	-		195,209
Guam Memorial Hospital Authority	3	38,025	35,127	633	2,610	10,612		87,007
Guam Housing & Urban Renewal Authority	9	11,580	-	-	-	-		11,580
Guam Visitors Bureau	1	4,441	-	-	-	-		4,441
Port Authority of Guam	5	1,643	-	-	-	-		1,643
Guam Housing Corporation	1	52	-	-	-	-		52
Total Autonomous Agencies	51	\$ 271,268	\$ 54,493	\$ 16,304	\$ 15,508	\$ 259,922	\$	617,496
		43.93%	8.82%	2.64%	2.51%	42.09%		100.00%
Line Agencies								
Department of Education	52	\$ 332,802	\$ 282,446	\$ 256,018	\$ 18,914	\$ 7,449	\$	897,629
Mayors Council of Guam	61	16,255	6,043	8,069	6,269	78,076		114,712
Department of Parks & Recreation	14	56,047	25,420	5,783	257	-		87,507
Department of Corrections	8	63,538	22,049	-	-	-		85,588
Department of Public Works	12	27,683	125	95	56	7,027		34,986
Guam Police Department	8	10,435	5,633	2,425	2,474	1,395		22,361
University of Guam	46	8,980	-	-	-	-		8,980
Guam Fire Department	11	7,471	-	-	-	-		7,471
Department of Agriculture	6	6,104	836	-	-	-		6,940
Department of Public Health & Social Services	8	2,017	1,415	904	174	654		5,164
Department of Military Affairs/GUARNG	1	4,922	-	-	-	-		4,922
Guam Mental Health	1	3,042	-	-	-	-		3,042
Department of Customs & Quarantine	1	428	428	428	428	389		2,101
Department of Youth Affairs	3	2,041	29	-	-	-		2,069
Office of Technology	1	1,063	785	65	-	-		1,913
Sanctuary, Inc.	1	939	518	-	-	-		1,457
Guam Veterans Affairs Office	2	243	351	358	138	-		1,090
Office of Civil Defense	2	498	528	-	-	-		1,026
Department of Administration	3	337	300	358	-	-		995
Division of Senior Citizens, DPHSS	2	372	296	212	103	-		983
Guam Police Department	2	657	239	25	-	-		921
Guam Solid Waste Authority	2	676	-	-	-	-		676
Department of Mental Health And Substance	1	400	-	-	-	-		400
Department of Mental Health	2	303	-	-	-	-		303
Guam Energy Office	1	222	-	-	-	-		222
Guam Public Library	6	201	-	-	-	-		201
Merizo Mayor	1	63	92	-	-	-		155
The Office of The Dededo Mayor	1	82	-	-	-	-		82
Agat Mayor's Office	1	54	-	-	-	-		54
Total Line Agencies	260	\$ 547,874	\$ 347,533	\$ 274,741	\$ 28,814	\$ 94,991	\$	1,293,953
		42.34%	26.86%	21.23%	2.23%	7.34%		100.00%
Total as of March 31, 2021 (Active)	311	\$ 819,142	\$ 402,027	\$ 291,045	\$ 44,322	\$ 354,913	\$	1,911,449
		42.85%	21.03%	15.23%	2.32%	18.57%		100.00%

GWA Work Session - DIVISION REPORTS

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

SCHEDULE I

ACTIVE AND INACTIVE

A G I N G									
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
Government	435	\$ 1,934,884	\$ 402,185	\$ 291,130	\$ 48,207	\$ 439,807	\$ 3,116,214	15%	
Agriculture	402	41,769	6,768	4,264	2,454	36,407	91,663	0%	
Commercial I	2,594	1,308,038	100,442	62,011	65,341	373,594	1,909,425	9%	
Commercial II	32	123,452	73	60	53	127	123,765	1%	
Commercial III	294	535,695	(34,287)	23,689	12,732	303,202	841,030	4%	
Golf Course	16	2,257	-	-	-	-	2,257	0%	
Hotel	58	1,286,412	150,948	147,332	106,521	733,034	2,424,246	12%	
Irrigation	33	3,257	575	309	172	1,731	6,045	0%	
Residential	47,333	4,471,614	940,330	687,789	525,709	5,254,075	11,879,515	58%	
	51,197	9,707,379	1,567,032	1,216,585	761,188	7,141,977	20,394,159	100%	
		48%	8%	6%	4%	35%			

Less Allowance for Doubtful Accounts: (7,480,758)
Net Accounts Receivable: **12,913,400**

Days Receivables Outstanding **48**

As of February 28, 2021

A G I N G									
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
Government	442	\$ 2,566,215	\$ 353,466	\$ 271,183	\$ 75,292	\$ 435,595	\$ 3,701,752	16%	
Agriculture	402	40,739	6,048	2,844	2,185	54,640	106,455	0%	
Commercial I	2,659	1,301,848	112,634	78,890	81,896	415,514	1,990,783	9%	
Commercial II	30	221,861	60	53	65	206,643	428,682	2%	
Commercial III	297	404,532	118,318	18,047	13,224	343,113	897,234	4%	
Golf Course	16	2,098	606	-	-	-	2,704	0%	
Hotel	59	1,296,291	153,840	122,452	109,684	753,413	2,435,679	11%	
Irrigation	33	3,804	407	172	164	1,817	6,365	0%	
Residential	50,086	4,695,244	1,016,880	673,052	495,121	6,180,167	13,060,461	58%	
	54,024	10,532,632	1,762,260	1,166,693	777,631	8,390,903	22,630,117	100%	
		47%	8%	5%	3%	37%			

Less Allowance for Doubtful Accounts: (8,837,593)
Net Accounts Receivable: **13,792,524**

Days Receivables Outstanding **49**

ACTIVE ONLY

A G I N G									
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
Government	435	\$ 1,934,884	\$ 402,185	\$ 291,130	\$ 48,207	\$ 439,807	\$ 3,116,214	18%	
Agriculture	390	41,769	6,768	4,264	2,454	13,423	68,678	0%	
Commercial I	2,450	1,277,244	92,028	47,703	53,188	253,605	1,723,768	10%	
Commercial II	32	123,452	73	60	53	127	123,765	1%	
Commercial III	283	535,695	(34,287)	22,257	12,596	259,181	795,442	5%	
Golf Course	16	2,257	-	-	-	-	2,257	0%	
Hotel	56	1,286,412	150,948	147,332	106,521	608,723	2,299,935	13%	
Irrigation	32	3,257	575	309	172	436	4,750	0%	
Residential	40,025	4,407,463	910,655	653,980	486,645	2,694,031	9,152,774	53%	
	43,719	9,612,434	1,528,944	1,167,035	709,836	4,269,333	17,287,582	100%	
		56%	9%	7%	4%	25%			

Less Allowance for Doubtful Accounts: (7,480,758)
Net Accounts Receivable: **9,806,824**

As of February 28, 2021

A G I N G									
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total		
Government	436	\$ 2,566,215	\$ 353,356	\$ 271,128	\$ 75,280	\$ 428,490	\$ 3,694,470	20%	
Agriculture	382	40,739	6,048	2,844	1,970	13,518	65,119	0%	
Commercial I	2,445	1,299,161	110,397	78,397	78,964	226,483	1,793,403	10%	
Commercial II	29	221,861	60	53	65	62	222,101	1%	
Commercial III	282	404,532	116,886	17,912	12,914	268,718	820,962	5%	
Golf Course	16	2,098	606	-	-	-	2,704	0%	
Hotel	56	1,296,291	153,840	122,452	109,684	628,993	2,311,259	13%	
Irrigation	32	3,804	407	172	164	522	5,070	0%	
Residential	40,003	4,656,730	984,208	631,803	457,573	2,517,820	9,248,135	51%	
	43,681	10,491,431	1,725,809	1,124,761	736,615	4,084,607	18,163,223	100%	
		58%	10%	6%	4%	22%			

Less Allowance for Doubtful Accounts: (8,671,542)
Net Accounts Receivable: **9,491,680**

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		
March 31, 2021	\$ 1,754,438 56%	\$ 875,769 28%	\$ 61,425 2%	\$ 29,634 1%	\$ 387,174 12%	\$ 3,108,439 100%		34
February 28, 2021	\$ 1,756,228 63%	\$ 141,619 5%	\$ 433,545 16%	\$ 24,711 1%	\$ 415,009 15%	\$ 2,771,110 100%		32
January 31, 2021	\$ 1,631,565 63%	\$ 428,618 17%	\$ 53,700 2%	\$ 60,259 2%	\$ 404,065 16%	\$ 2,578,207 100%		32

**GUAM WATERWORKS AUTHORITY
WATER DEMAND BY RATE CLASS
FY2015 - FY2021**

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)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	3,712,723	11%	3,649,851	-2%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	-9%	744,057	-9%
F Federal	1,168	1,180	2,508	1,813	1,602	1,338	-16%	2,464	84%
G Government	515,974	475,366	448,430	450,165	405,980	408,502	1%	395,915	-3%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	-34%	431,812	-40%
G Golf	6,850	6,770	5,252	2,741	2,793	5,835	109%	2,087	-64%
A Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	-7%	68,875	-18%
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>	10%	<u>5,817</u>	-33%
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>	-2%	<u>5,300,877</u>	-8%



Guam Waterworks Authority

VEHICLE FLEET STATUS

4/9/2021

EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage
Backhoe (Leased)	3	2	1	67%
Dump Truck (Leased)	3	3	0	100%
Trailer (Leased)	3	3	0	100%
Backhoe	3	0	3	0%
Boom Truck	2	0	2	0%
Crane	1	1	0	100%
Dump Truck	1	1	0	100%
Forklift	6	5	1	83%
Fuel Tanker	1	1	0	100%
Heavy Duty	11	8	3	73%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	156	117	39	75%
Mini Backhoe	2	0	2	0%
Pumper Truck	1	0	1	0%
Skidster	1	0	1	0%
Sludge Truck	5	3	2	60%
Tractor	2	2	0	100%
Tractor Mower	1	0	1	0%
Trailer	15	12	3	80%
Trencher	1	0	1	0%
Vacuum Truck	5	4	1	80%
Water Buffalo	2	2	0	100%
Water Tanker	5	3	2	60%
Compressor	1	1	0	100%
Total	252	176	62	

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
2	0	0	0	0	1	0
3	0	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	1	2	0	0
0	0	0	0	0	1	1
0	1	0	0	0	0	0
1	0	0	0	0	0	0
5	0	0	0	0	0	1
1	0	0	0	0	0	0
8	0	0	0	0	2	1
1	0	0	0	0	0	0
1	0	0	0	0	0	0
113	4	4	3	10	7	15
0	0	0	1	1	0	0
0	0	0	1	0	0	0
0	0	0	0	1	0	0
3	0	0	0	1	1	0
1	1	0	0	0	0	0
0	0	0	0	0	1	0
12	0	0	0	3	0	0
0	0	0	0	1	0	0
3	1	0	0	0	1	0
2	0	0	0	0	0	0
2	1	0	0	0	2	0
1	0	0	0	0	0	0
176	8	4	6	19	15	18

GWA Work Session - DIVISION REPORTS

Guam Waterworks Authority		Date: 3/31/2021	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	56	OVERAL AVERAGE	96%
TOTAL PUMPS OPERATIONAL	54	% OF OPERATING PUMPS	96%
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	Yago	30	3	3	100%	OP	A						
2	Gayinero	20	2	2	100%	OP	A						
3	Mataquac	25	2	2	100%	OP	A						
4	Santa Rosa	15	2	2	100%	OP	A						
5	Hyundai	40	2	1	50%	OP	A	1-29-21 work still ongoing with upgrading control wires. One pump placed on standbu		Electrical wires being upgraded.			
6	Chin. Palauan	5	2	2	100%	N/A							
7	Access	60	2	2	100%	OP	A						
8	Agana Heights	30	3	3	100%		A						
9	Nimitz Hill	7.5	2	2	100%	N/A							
10	Adawaq	1.5	1	1	100%	N/A							
11	Pale Kiren	1	1	1	100%	N/A							
12	Uiloa/Untalan	1	2	2	100%	OP	A						
13	Latte Heights	15	2	2	100%	OP	A						
	TOTAL = 13		26	25	96%								
pump availability =no of operational pumps/no of pumps*100%													

Central District													
NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	3	100%	OP	A						
2	Brigade	60 / 20	3	3	100%	OP	A						
3	Windward Hills	200 / 75	3	2	67%	OP	A	Pump 2 pending mechanical seals and rebuild kit. Pump 1 leaking though operational. Placed on standby for now.					
4	Santa Rita Spring	40	2	2	100%	OP	A						
5	Santa Ana (Lower)	25	1	1	100%	N/A		1-29-21 Renovation of station started. One pump remains in service during this period.					
6	Camacho	1	1	1	100%	N/A							
7	Tenorio	1.5	1	1	100%	N/A							
	Total=7		14	13	93%								
pump availability =no of operational pumps/no of pumps*100%													

Southern District													
NO:	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Maloloj Line	125 / 50	3	3	100%	OP	A						
2	Geus	25	2	2	100%	OP	A						
3	Piqua	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		16	16	100%								
pump availability =no of operational pumps/no of pumps*100%													

GWA Work Session - DIVISION REPORTS

Guam Waterworks Authority		Date: 4/13/2021		 WASTEWATER FACILITIES REPORT
REVIEWS				
TOTAL PUMPS INSTALLED	171	OVERALL AVERAGE	91%	
TOTAL PUMPS OPERATIONAL	156	% OF OPERATING PUMPS	91%	
TOTAL PUMP STATIONS	77			

Northern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	3	75%	GPA	A	P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs		Pending new pumps which are part of the Northern Treatment	
2	FUJITA	1	4	3	75%	GPA	A	P#2 was removed 10-29-20 due to bearings issues. Pump at vendor pending repairs.					
3	YPAO	1	2	2	100%	GPA	A	P#2 In for repairs @ JMI; utilizing Machanao pump and volute on line 2.					
4	PASEO DE ORO	1	2	2	100%	GPA	A						
5	HARMON	2	2	2	100%	GPA	A						
6	ROUTE 16	1	4	2	50%	GPA	M	P#4 secured, P#3 secured due to flapper in check valve loose.				(OR 36249) - Check Valves (OR 36239) - Plug Valves	
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A	P#2 Awaiting Repairs @ Shop. P#2 installed 04-22-2020 pump came from station 11					
8	LATTE SUN RISE	2	2	2	100%	GPA	A						
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A						
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	2	100%	GPA	A						
13	HAFA ADAI	2	2	2	100%	GPA	A						
14	YPAOPAO	1	3	3	100%	GPA	N/A						
15	PACIFIC LATTE	2	2	2	100%	GPA	A						
16	YIGO	1	3	3	100%	GPA	A	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					PO 305765 3-22-2021	
19	MACHANAONAO	1	2	2	100%	GPA	N/A	P#1 and volute being utilized at Ypao pump station, new pump installed					
20	FEMA 96	2	2	2	100%	GPA	A	Pumps 1&2 removed awaiting rewinding. Utilizing pumps from Hafa Adai and Old Station 13 pump (BIG BLUE)					
21	ASTUMBO 1	2	2	2	100%	GPA	A						
22	ASTUMBO 2	2	2	2	100%	GPA	A						
Total	22		52	48	92%								

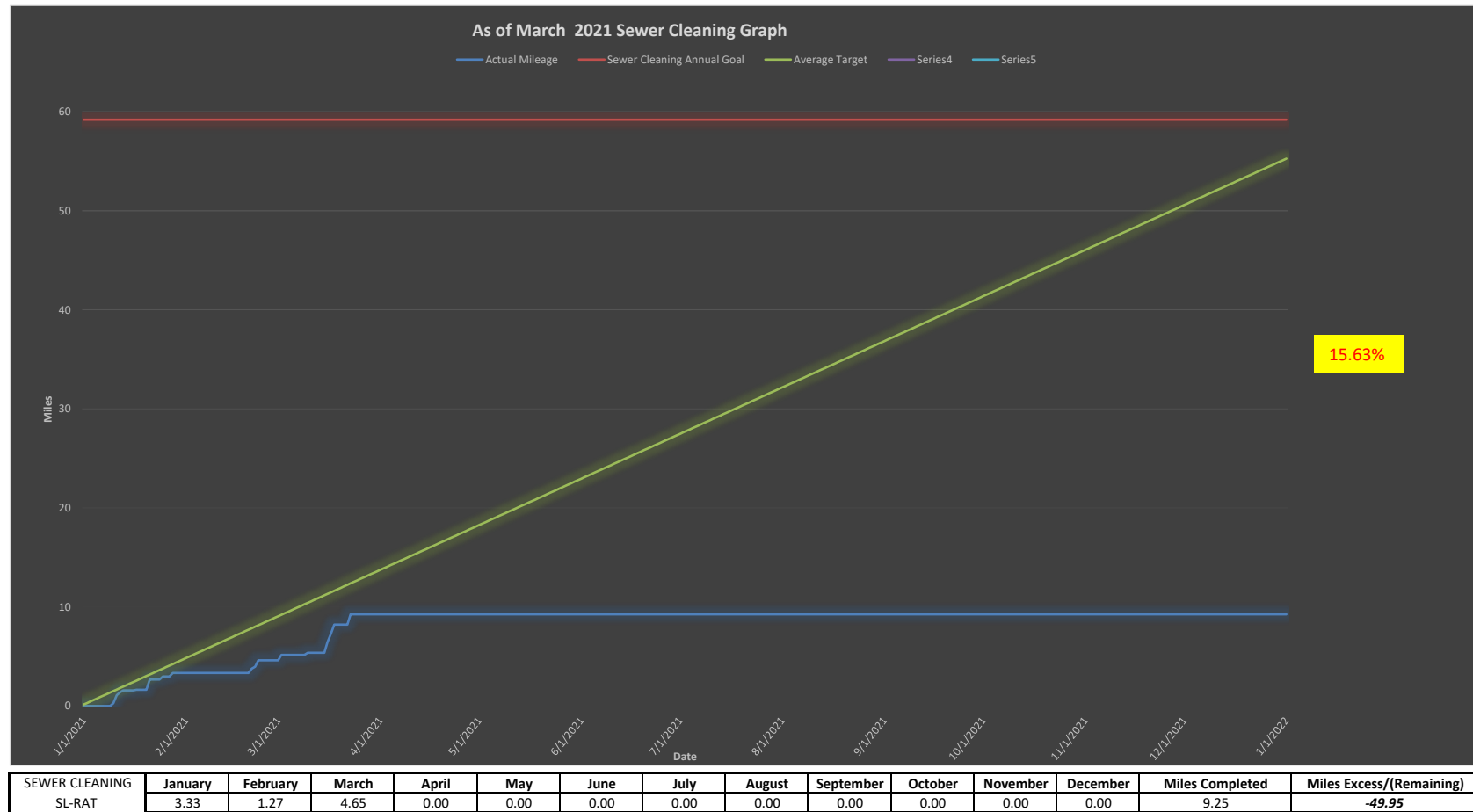
GWA Work Session - DIVISION REPORTS

Central District														
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES	
1	CABRAS ISLAND	1	2	2	100%	Portable	M							
2	COMMERCIAL PORT	1	3	3	100%	OP	A	P# 3 pump works, Standby						
3	PITI	1	2	2	100%	GPA	A							
4	ASAN	1	2	2	100%	GPA	A							
5	SINAJANA	2	2	2	100%	GPA	A							
6	NEW CHAOT	1	3	3	100%	OP	A							
7	ORDOT	2	2	2	100%	OP	A							
8	DERO	1	2	2	100%	OP	A							
9	CHALAN PAGO #5	2	2	2	100%	OP	A							
10	CHALAN PAGO #3	2	2	2	100%	OP	A							
11	FLORA GARDENS	2	2	2	100%	INOP	A							
12	DOUBLE SHAFT	1	3	2	67%	OP	A	Pump 2 removed due to impeller broke/Shaft worn				CIP write up for new pump/motor completed. At legal, pending review		
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			Sump pump burnt and the breaker is damaged				
16	FIDIAN	2	2	2	100%	GPA	A							
17	LEYANG	2	2	2	100%	OP	A							
18	SAGAN BONITA 1	2	2	2	100%	OP	A							
19	SAGAN BONITA 2	2	2	2	100%	OP	A							
20	DAIRY	1	2	2	100%	INOP	A							
21	BARRIGADA	1	2	2	100%	GPA	A							
22	TOTO GARDENS	2	2	2	100%	INOP	A	Contractor installed #2. Pending final inspection.						
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 wo # 21-03-0413 3/12/2021						
26	BAYSIDE	2	1	1	100%	INOP	A							
27	ALUPANG	1	2	2	100%	OP	A							
28	MAMAJANAO	1	3	2	67%	OP	A	Pump #3 not activating. Pending inspection from electrician	WO #21-02-1596					
29	Agana Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned						
Total	29		63	59	94%									

GWA Work Session - DIVISION REPORTS

Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	3	75%	OP	MAN	10-30-20 P42 was removed and delivered to Guam Motor Rewind for repairs. Pump repair completed, pending impeller OR #37179. 10-10-20 Requested I.T. to make assessments to LCP panel not in operation. Pending approval of price quotation for reprogramming system.	(P-2 20-09-2380) (LCP - 20-10-0696)				
2	PUMP STATION #11	2	2	2	100%	INOP	AUTO						
3	PUMP STATION #12	1	2	2	100%	OP	AUTO						
4	PUMP STATION #14	2	2	2	100%	OP	AUTO			Pumps are alternated weekly			
5	PUMP STATION #15	1	2	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	1	50%	OP	AUTO	12/8/20 Pump#1 Leakage sensor indicated, electrician needs to do an assessment. 1-21-21 Electricians made an assessment and determined that the thermol sensor is defective. Electricians are working on purchasing a new sensor for replacement. As per Fred Dela Cruz.					
11	TALAFORO	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 20-01-0735	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.	
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALIGAN	2	2	2	100%	OP	MAN			Requesting for electricians to make assessments to ventilation system to make it operational.	(Vent- 19-12-0390)	12-23-19 Fred is working on getting a lift to be able to go to the roof top to make assessments on the motor.	Pending PO for lift for electricians to access roof top to inspect blower.
14	EJECTOR #2	2	2	1	50%	PORTABLE /INOP	NA	10-21-20 Comp#1 motor tripping. Motor was removed by maintenance crew due to unit was determined burnt by electricians.	20-10-1436			OQ 37385 (Pending OR and PO)	
15	EJECTOR #3	2	2	2	100%	PORTABLE /INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	1	50%	PORTABLE/INOP	NA	11-13-20 Compressor #1 was removed and to be used at Ejector 7 for compressor #1.					
18	EJECTOR #6	2	2	1	50%	PORTABLE/INOP	NA	1-5-21 Compressor motor#1 2hp making loud noise. Motor cannot spin with connected load, possible bearing issue. Motor was disconnected by electricians. Pending pull-out by maintenance crew.					
19	EJECTOR #7	2	2	1	50%	PORTABLE/INOP	NA	3-16-21 Motor#2 pulled out to be utilized at Ejector#2 due to the existing motor at ejector#2 was submerged with sewage caused by a defective sump pump check valve.					
20	NORTH REYES	2	2	2	100%	PORTABLE/INOP	NA						
21	LEYON #3 (DanDan)	2	2	2	100%	OP	MAN						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	2	67%	OP	AUTO	12-10-20, Pump #2 was removed due to impeller bolt snapped and mechanical seal was damaged. Pump #1 was installed 3-10-21 and placed back into operation 3-11-21	20-12-0263				PO 305790 for Pump #2
25	Windward Hills	1	3	3	100%	OP	AUTO						
26	Aplacho	1	3	3	100%	OP	AUTO						
26			56	49	88%								
pump availability =no of operational pumps/no of pumps*100%													

GWA Work Session - DIVISION REPORTS



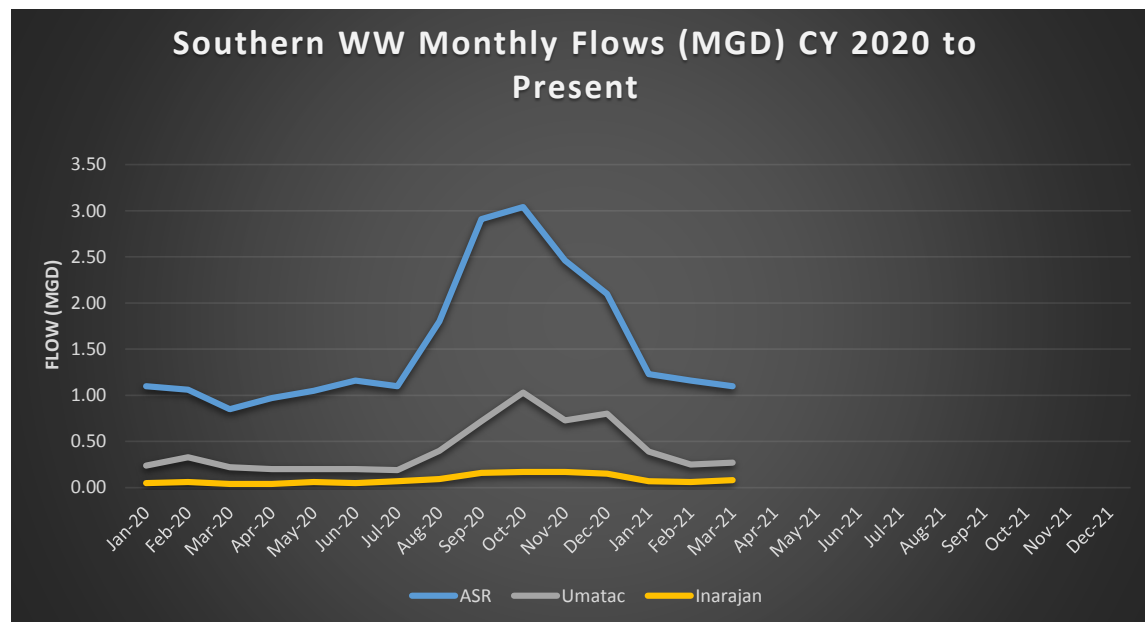
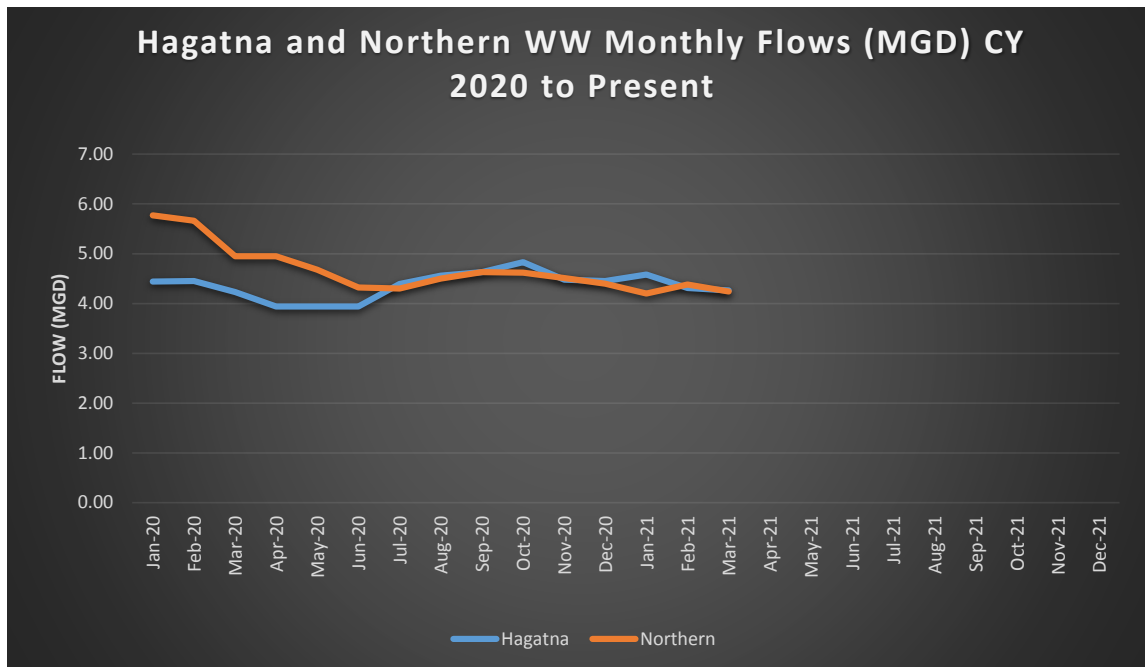
5 miles a month required, 59.2 miles a year to complete for 2020 (296 miles to complete in 5 years)

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

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					
May-21					
Jun-21					
Jul-21					
Aug-21					
Sep-21					
Oct-21					
Nov-21					
Dec-21					
2021 Average MGD	4.38	4.27	1.16	0.30	0.07
2021 Total MGY	1,600	1,560	425	111	26



GWA Work Session - DIVISION REPORTS

	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		\$0		\$0		\$0	-	\$0
May-21		\$0		\$0		\$0	-	\$0
Jun-21		\$0		\$0		\$0	-	\$0
Jul-21		\$0		\$0		\$0	-	\$0
Aug-21		\$0		\$0		\$0	-	\$0
Sep-21		\$0		\$0		\$0	-	\$0
Oct-21		\$0		\$0		\$0	-	\$0
Nov-21		\$0		\$0		\$0	-	\$0
Dec-21		\$0		\$0		\$0	-	\$0
Grand Total	1,686,200	\$151,758	2,978,400	\$268,056	78,440	\$7,060	4,743,040	\$426,874

