



CONSOLIDATED COMMISSION ON UTILITIES

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

GUAM WATERWORKS AUTHORITY WORK SESSION

CCU Conference Room

8:30 a.m., Tuesday, November 16, 2021

AGENDA

1. **CALL TO ORDER**
2. **ISSUES FOR DECISION**
 - 2.1 **Relative to Approval of Change Order No. 6 for the Northern and Southern Guam Reservoir Design Services / Resolution No. 05-FY2022**
3. **GM REPORT**
 - 3.1 **Operations**
 - 3.2 **Compliance**
 - 3.3 **Engineering / Capital Improvement Program**
 - 3.4 **Administration**
 - 3.5 **Financial**
 - 3.6 **Other**
4. **OTHER DISCUSSION**
 - 4.1 **CCU Rules Update**
5. **ANNOUNCEMENTS**
 - 5.1 **Next CCU Meetings: GPA Work Session: Nov 18; CCU Regular Monthly Mtg.: Nov 23**
6. **ADJOURNMENT**



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

Issues for Decision

Resolution No. 05-FY2022

Relative to Approval of Change Order No. 6 for the Northern and Southern Guam Reservoir Design Services

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

The objective of the project is to accomplish the design needed to comply with the 2011 Court Order Paragraph 29 – Storage Tank/Reservoir Repair, Replacement, and Relocation Program. The work under the proposed change order to this project is necessary and urgent in order to meet the Court Order deadlines. The project scope covers the design services for the Northern and Southern reservoirs, which include Santa Rosa, Santa Rita, Sinifa, Ugum, and Inarajan, and the proposed change order deals with needed design additions for the Ugum site to provide for improved function of monitoring and analytical equipment required for the new reservoir.

The Ugum Reservoir, in addition to storage, is used to meet chlorine contact time required for surface water treatment. Currently, the chlorine analyzers and turbidity meter needed for the proper operation of the treatment plant and reservoir are housed in the booster pump room, which does not have sufficient space needed for the instruments for the second tank which is being designed under this project. In addition, the total organic carbon (TOC) analyzer is housed separately in the plant's pump gallery. The intent of the new equipment building is to house all compliance analyzers and meters into a single location. The old analyzers and meters shall be replaced with new units.

Where is the location?

Ugum: located off Paulino Street in Inarajan.

How much will it cost?

TGE's final negotiated fee proposal is \$111,335.00. The fee includes the following:

1. Design of a new equipment building to house chlorine analyzers, TOC analyzers, turbidity meters, and all other instrumentation as required.
2. Continuation of progress design meetings.

When will it be completed?

- Anticipated design completion: January 31, 2021.
- Construction support services will extend until construction is complete in 2023.

What is the funding source?

The funding shall be from PW 09-11: Water System Reservoirs 2005 Improvements.

The RFP/BID responses (if applicable):

RFP-09-ENG-2014



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

GWA RESOLUTION NO. 05–FY2022

RELATIVE TO APPROVAL OF CHANGE ORDER NO. 6 FOR THE NORTHERN AND SOUTHERN GUAM RESERVOIR DESIGN SERVICES

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

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

WHEREAS, GWA is currently working on critical reservoir projects under the 2011 Court Order (“CO”) Paragraph 29 – Storage Tank/Reservoir Repair, Replacement, and Relocation Program; and

WHEREAS, the CCU approved Resolution No. 33-FY2020, which authorized the total funding amount to a maximum of Three Million Seven Hundred Fifty-Three Thousand Three Hundred Twenty-Seven Dollars and Twenty-Five Cents (\$3,753,327.25); and

WHEREAS, GWA issued Change Order Nos. 1 to No. 5 to TG Engineers, P.C. for additional design tasks to account for various changes to the design scope, including differing sites and site conditions (Ugum and Santa Rita Reservoirs), integration with other distribution system projects (Santa Rosa), and construction easement issues (Sinifa), bringing the contract total to Three Million Seven Hundred Fifty-Three Thousand Three Hundred Twenty-Seven Dollars and Twenty-Five Cents (\$3,753,327.25) (Exhibit A); and

WHEREAS, in the ongoing reservoir designs and the water system served by the noted reservoirs, further design services listed below were identified and requested by GWA operations to move forward with improving the functionality of the water system:

(1) Ugum Treatment Plant and Reservoir: The site will require an equipment building to install new chlorine analyzers, TOC analyzers, and turbidity meters. The scope will include design of a new building to include new sampling compliance equipment and sampling points;

(2) All sites (Ugum, Inarjan, Afgayan, Santa Rosa, Santa Rita, Sinifa): Continuation of progress design meetings;

WHEREAS, GWA Management is seeking One Hundred Eleven Thousand Three Hundred Thirty-Five Dollars (\$111,335.00) to fund the Change Order proposal (Exhibit B); and

WHEREAS, funding for this Change Order will be from the Bond Funds under the CIP source: PW 09-11 Water System Reservoirs 2005 Improvements; and

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the scope and fee proposal submitted by TG Engineers, P.C. are fair and reasonable (Exhibit B).
3. The CCU hereby authorizes One Hundred Eleven Thousand Three Hundred Thirty-Five Dollars (\$111,335.00) in additional funding to bring the total authorized funding amount to Three Million Eight Hundred Sixty-Four Thousand Six Hundred Sixty-Two Dollars and Twenty-Five Cents (\$3,864,662.25).
4. The CCU hereby authorizes the management of GWA the option to issue Change Order No. 6 in the not-to-exceed amount of One Hundred Eleven Thousand Three Hundred Thirty-Five Dollars (\$111,335.00).
5. The CCU hereby authorizes the funding source to be from bond funds under the CIP source: PW 09-11 Water System Reservoirs 2005 Improvements.

//

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 23rd day of November 2022.

5
6 Certified by:

Attested by:

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

MICHAEL T. LIMTIACO
Secretary

11 **SECRETARY'S CERTIFICATE**

12
13 I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as
14 evidenced by my signature above do hereby certify as follows:

15
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 ///

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31
32 ///

Exhibit A, pg. 1 of 9

GUAM WATERWORKS AUTHORITY
Gloria B. Nelson Public Service Building
688 Route 15 | Mangilao | Guam 96913

CHANGE ORDER NO. 05

Project Title:	Northern and Southern Guam Water Reservoirs - Design Services	
Project No.:	GWA Project No. W14-001-BND, RFP-09-ENG-2014,	Contract Date: 5/23/2015
Contractor:	TG Engineers, PC	Notice to Proceed: 5/28/2015

TO: TG Engineers, PC

You are directed to make changes noted below in the subject contract. The changes are accepted by:

Garrett Yeoh

Digitally signed by
Garrett Yeoh
Date: 2020.10.07
10:17:48 +10'00'TOR GUDMUNDSEN

Contractor Representative (PRINT)

PREPARED BY:

Garrett Yeoh
Senior Engineer, Water CIP

Date

Brett RaileyDigitally signed by Brett Railey
Date: 2020.10.16 13:54:07
+10'00'Brett Railey, P.E.
Senior Engineering Supervisor, Water CIP

Date

RECOMMEND

APPROVAL:

Barbara Cruz, P.E.
Acting Chief EngineerDigitally signed by Barbara Cruz
Date: 2020.10.22 15:56:14 +10'00'**NATURE OF CHANGES:**

- 1) Ugum Reservoir: Pile foundation design is required due to poor soil quality at the tank site
- 2) All sites (Ugum, Inarajan, Afgayan, Santa Rosa, Santa Rita, and Sinifa): Continuation of progress design meetings

See attached Exhibit B of the CCU Resolution for more information for the scope and cost breakdown.

The changes result in the following adjustment of contract price and time:

Contract price prior to this Change Order	\$	3,624,912.25
Net INCREASE from this Change Order (subject to approved terms and conditions)	\$	128,415.00
Current contract price including this Change Order	\$	3,753,327.25

Contract time prior to this Change Order	1317	Calendar Days
Net INCREASE from this Change Order (subject to approved terms and conditions)	1092	Calendar Days
Current contract time including this Change Order	2409	Calendar Days
Contract Completion Date	Friday, December 31, 2021	

CERTIFIED FUNDS AVAILABLE:

Vendor No.: 21926
Contract No.: W247 / 726 OS / FY15-003

Funding Source: 1
CIP#: PW 09-11 / Bond 2016
G.L. No.: W247.105321.320000
Amount: \$ 128,415.00

Taling M Taitano

Digitally signed by Taling M Taitano
Date: 2020.12.10 13:48:09 +10'00'Taling Taitano, CPA, CGFM
Chief Financial Officer

Date

APPROVAL
SIGNATURE:Miguel C. Bordallo, P.E.
General Manager

Date

~~Exhibit B, pg. 1 of 8~~

TG ENGINEERS, PC

July 1, 2020

Mr. Miguel Bordallo, PE
General Manager
Guam Waterworks Authority
Gloria B. Nelson Public Service Building, Room 202
688 Route 15
Mangilao, Guam 96913

ATTN: Mr. Brett Railey, P.E., Acting Chief Engineer

**RE: PW 09-11 Northern and Southern Guam Reservoirs: GWA Project No. W14-007-BND,
Change Order No. 5 – Fee Proposal**

Hafa adai Brett,

TG Engineers, PC (TGE) is pleased to submit our updated Scope of Work and Fee Proposal for the reservoir project Change Order No. 5. We are submitting the proposal file in pdf format by email.

1.0 PROJECT DESCRIPTION

TG Engineers, PC (TGE) is under contract with the Guam Waterworks Authority (GWA) for the Design of Northern and Southern Guam Reservoirs. The work completed to date varies for each site and is listed as follows.

- Ugum – Basis of Design Report
- Santa Rita – Construction started
- Santa Rosa – Construction started
- Sinifa – Construction started
- Inarajan Reservoir – Cancelled
- Agfayan Booster Pump Station – New Facility, pending the site location
- Inarajan Booster Pump Station – BOD complete and pending the Agfayan BOD to combine projects

We note Change Orders 1.0 – 4.0 have been processed and include the following.

- Change Order No. 1 – processed for land acquisition support services.
No schedule change.
- Change Order No. 2 – processed for additional engineering services.
Schedule extended 387-days to 4/14/2017.
- Change Order No. 3 – processed for a time extension.
Schedule extended 630-days to 1/04/2019.
- Change Order No. 4 – processed for additional engineering services.
- Change Order No. 5 (PRV Additions, March 2019) – cancelled.
- Change Order No. 5 is proposed with the Scope of Work as follows.

(2/8)

GWA SOW & FEE
7/1/2020

2.0 CONTRACT TIME EXTENSION

We propose to extend the contract 714-Calendar Days from Saturday 1/5/2019 to a new completion date of Friday 12/18/2020. It is estimated this duration will allow the completion of the Engineering Design Phase services included in the contract.

3.0 SCOPE OF SERVICES

The Ugum Reservoir will require a pile foundation based on the poor quality soils at the site. The scope to add the pile foundation to the design is included.

An additional 24-months of Progress Meetings are proposed for the contract extension to December 18, 2020.

See the TGE Scope of Services attached.

4.0 FEES

We propose to complete this work for the lump sum fee of \$128,415.00. See the TGE Fee Spreadsheets attached.

TASK	FEE
Ugum Pile Foundations	\$48,100.00
Progress Meetings (23-mos)	\$80,315.00
GRAND TOTAL	\$128,415.00

We will invoice monthly according to the percent completed.

5.0 SCHEDULE AND DELIVERABLES

The schedule is planned as follows.

- Ugum PS&E ready to bid by August 31, 2020
- Inarajan PS&E ready to bid by December 18, 2020
- Agfayan PS&E ready to bid by December 18, 2020

6.0 ASSUMPTIONS

- 6.1 The Scope of Work was defined through discussions in team Progress Meetings with GWA and email correspondence between Mr. Garrett Yeoh and the TGE Team in October 2019 – May 2020.
- 6.2 All other tasks remain unchanged.

~~(3/8)~~

GWA SOW & FEE
7/1/2020

We look forward to your favorable review and reaching an agreement on the Scope and Fee. Please call Shirley Hlong or myself directly at 647-0808 with any questions.

Si Yu'os Ma'ase,
TG Engineers, PC

A handwritten signature in black ink, appearing to read 'Tor Gudmundsen', is written over the printed name.

Tor Gudmundsen, PE,
President

Attachments:
Scope of Work
Dated 7/01/20, 1-page

TGE Fee Proposal Spreadsheet
Dated 7/01/20, 3-pages

MBI Fee Proposal Spreadsheet
Dated 5/31/20, 1-page

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TG Engineers, PC

DESIGN OF NORTHERN AND SOUTHERN GUAM RESERVOIRS
CHANGE ORDER NO. 5 – SCOPE OF WORK

1. INTRODUCTION

TG Engineers, PC (TGE) is under contract with the Guam Waterworks Authority (GWA) for the Design of Northern and Southern Guam Reservoirs.

2. SCOPE OF SERVICES

2.1 PROJECT MANAGEMENT SERVICES

The current bi-weekly meeting task was completed on January 04, 2019. We propose extending the Bi-weekly progress meetings for a 24-month time extension, ending Friday, 12/18/2020. Based on meeting records, there were 19-meetings held in 2019 and we estimate 16-meetings to complete the contract scope by December 2020.

The scope includes the following tasks.

- a. Meeting Agenda and document preparation.
- b. Meeting attendance.
- c. Writing and Issuing the Meeting Minutes within 5-working days after the meeting.
- d. Completing ACTION item tasks in preparation for the next meeting.

2.2 UGUM RESERVOIR SITE – PILE FOUNDATION

A concrete pile foundation will be added to the foundation design for the Ugum Reservoir. The pile foundation requirement was determined when the Geotechnical Investigation was completed and poor quality soils were found at the project site. The Geotechnical borings indicated deep, soft and weak subgrade soils. The large diameter tank is also close to existing slopes.

This results in a large stress influence area together with very high lateral loads requiring the loads to be transferred below the slope plane with the use of piles.

ATTACHMENTS: None

(5/8)

Guam Waterworks Authority
Design of Northern and Southern Guam Reservoirs

Fee Proposal Spreadsheet
CHANGE ORDER NO. 5

7/1/2020
Page 1 of 1

A UGUM RESERVOIR SITE		TOTAL
Engineering Services	\$	3,700.00
Survey Services	\$	-
Subconsultants	\$	44,058.00
Direct Expenses	\$	342.00
TOTAL - UGUM RESERVOIR SITE		\$ 48,100.00
B EXISTING UGUM WATER PLANT SITE DRAINAGE		TOTAL
TOTAL - EXISTING UGUM WATER PLANT SITE DRAINAGE		\$ -
C SANTA ROSA 2-PZR SITES		TOTAL
TOTAL - SANTA ROSA 2-PZR SITES		\$ -
D SANTA ROSA PZR PIPELINE		TOTAL
TOTAL - SANTA ROSA PZR PIPELINE		\$ -
E SINIFA RESERVOIR SITE		TOTAL
TOTAL - SINIFA RESERVOIR SITE		\$ -
F AGFAYAN BPS 4-ALTERNATIVE SITE REVIEW		TOTAL
TOTAL - AGFAYAN BPS 4-ALTERNATIVE SITE REVIEW		\$ -
G AGFAYAN BPS 4-ALTERNATIVE SITES ROAD		TOTAL
TOTAL - AGFAYAN BPS 4-ALTERNATIVE SITES ROAD		\$ -
H PROJECT MANAGEMENT		TOTAL
Engineering Services	\$	61,384.00
Survey Services	\$	-
Subconsultants	\$	18,526.00
Direct Expenses	\$	405.00
TOTAL - PROJECT MANAGEMENT		\$ 80,315.00
TOTAL FEE - CHANGE ORDER NO. 5		\$ 128,415.00

7/1/2020
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Guam Waterworks Authority
Design of Northern and Southern Guam Reservoirs

Fee Proposal Spreadsheet
CO#5 PROJECT MANAGEMENT

7/1/2020
Page 1 of 1

DESIGN TASK	Principal	Project Mgr	Sr Civil Engr II	Sr Civil Engr I	Stf Civil Engr	Jr Civil Engr	CAD	Clerical	TOTAL COST
ENGINEERING SERVICES									
Project Management									
1.0	Prep / Attend Bi-weekly Meetings / Webex (Jan 2019 - Nov 2020 = 23-mos)								
	Meetings (Jan - Dec) 2019 = 19	10.0	96.0	96.0			10.0	10.0	10.0
	Meetings (Jan - Dec) 2020 = 16	10.0	64.0	64.0			8.0	8.0	8.0

(8/9)

GWA - UGUM RESERVOIR 5.31.20				
PILE FOUNDATION DESIGN CHANGE ORDER				
Task Description	Project Mgr/Str Engineer	Structural Engineer	CAD Designer	Cost
Hourly Rate	\$ 235.00	\$ 210	\$ 150	
Structural design/review/coordination	48	96	72	\$ 42,240
Specifications	6			\$ 1,410
Subtotal	54	96	72	\$ 43,650
Deduction for continuous footing	8	12	8	\$ (5,600)
Total				\$ 38,050

Exhibit B, pg. 1 of 7

TG ENGINEERS, PC

March 9, 2021

Mr. Miguel Bordallo, PE
General Manager
Guam Waterworks Authority
Gloria B. Nelson Public Service Building, Room 202
688 Route 15
Mangilao, Guam 96913

ATTN: Mr. Garrett Yeoh, Project Manager

**RE: PW 09-11 Northern and Southern Guam Reservoirs: GWA Project No. W14-007-BND,
Change Order No. 6 – Fee Proposal**

Hafa adai Garrett,

TG Engineers, PC (TGE) is pleased to submit our updated Scope of Work and Fee Proposal for the reservoir project Change Order No. 6. We are submitting the proposal file in pdf format by email.

1.0 PROJECT DESCRIPTION

TG Engineers, PC (TGE) is under contract with the Guam Waterworks Authority (GWA) for the Design of Northern and Southern Guam Reservoirs.

We note Change Orders 1.0 – 5.0 have been processed and include the following.

- Change Order No. 1 – processed for land acquisition support services.
No schedule change.
- Change Order No. 2 – processed for additional engineering services.
Schedule extended 387-days to 4/14/2017.
- Change Order No. 3 – processed for a time extension.
Schedule extended 630-days to 1/04/2019.
- Change Order No. 4 – processed for additional engineering services.
- Change Order No. 5 – processed for the Ugum Reservoir pile foundation, Bi-weekly meetings and a time extension.

2.0 CONTRACT TIME

~~Change Order No. 05 extended the Contract Completion Date to Friday, 12/31/2021.~~

3.0 SCOPE OF SERVICES

The work will be completed to provide a new Equipment Building with appurtenances at the existing Ugum Reservoir site.

GWA SOW & FEE
3/9/2021

An additional 12-months of Progress Meetings are proposed ~~to the contract completion on December 31, 2021.~~

See the TGE Scope of Services attached.

4.0 FEES

We propose to complete this work for the lump sum fee of \$111,335.00. See the TGE Fee Spreadsheets attached.

TASK	FEE
Equipment Building	\$58,308.00
Progress Meetings (12-mos)	\$53,027.00
GRAND TOTAL	\$111,335.00

We will invoice monthly according to the percent completed.

5.0 SCHEDULE AND DELIVERABLES

The schedule is planned to complete the Ugum PS&E by June 2021 and the Agfayan and Inarajan sites by November 2021.

6.0 ASSUMPTIONS

- 6.1 The Scope of Work was defined through site meetings with GWA Ops personnel, discussions in team Progress Meetings with GWA and email correspondence between Mr. Garrett Yeoh and the TGE Team.
- 6.2 All other tasks remain unchanged.

to be updated

We look forward to your favorable review and reaching an agreement on the Scope and Fee. Please call Cathy Manglona or myself directly at 647-0808 with any questions.

Si Yu'os Ma'ase,
TG Engineers, PC



Tor Gudmundsen, PE
President

Attachments:

Scope of Work
Dated 3/09/21, 2-pages

Fee Proposal Spreadsheet
Dated 3/09/21, 3-pages

Page 2 of 2

TG Engineers, PC

DESIGN OF NORTHERN AND SOUTHERN GUAM RESERVOIRS, PROJECT NO. 2
CHANGE ORDER NO. 6 – SCOPE OF WORK

1. INTRODUCTION

TG Engineers, PC (TGE) is under contract with the Guam Waterworks Authority (GWA) for the Design of Northern and Southern Guam Reservoirs.

2. SCOPE OF SERVICES

The Change Order (CO) No. 6 Scope of Work includes the following.

- Continuing bi-weekly Progress Meetings
- New Equipment Building at the existing Ugum Plant

See further details as follows.

2.1 PROJECT MANAGEMENT SERVICES

The current bi-weekly Progress Meeting task, as included in CO No. 05, was completed on December 18, 2020 with 16-meetings scheduled in 2020. Based on the Coronavirus pandemic status, only 12-meetings were held in 2020. We propose extending the Bi-weekly progress meetings for a 12-month time extension, ending Friday, 12/17/2021, for a total of 25-meetings. We note there is a 4-meeting credit from CO No. 05 and will propose for $25 - 4 = 21$ meetings.

The scope includes issuing meeting minutes with ACTION items listed within 5-working days after the meeting and work to resolve any ACTION items prior to the next meeting.

2.2 SANTA RITA RESERVOIR SITE – No change.

2.3 SINIFA RESERVOIR SITE – No change.

2.4 AGFAYAN BOOSTER PUMP STATION SITE – No change.

2.5 INARAJAN BOOSTER PUMP STATION SITE – No change.

2.6 UGUM RESERVOIR SITE – No change.

2.7 UGUM EXISTING WATER TREATMENT PLANT & TANK

A new Equipment Building with an approximate floor plan area of 10' x 10' will be added to the project at the Ugum Existing Water Treatment Plant site. The building will be CMU block and a concrete roof. Doors, ventilation, power and lighting will be provided. The water piping will be extended to the building and into the interior for sampling and testing equipment. Instrumentation facilities will be provided.

The full scope will include the Plans, Specifications, Engineering Modeling / Calculations and Cost Estimates. The work will be combined with the project documents and issued with the upcoming 100% design submittal.

We anticipate a Drawing Index for revised and new drawings as follows.

General
Index of Drawings

TG Engineers, PC

Civil

Erosion Control Plan – Revised

Demolition Plan – Revised

Site Layout & Paving Plan – Revised

Enlarged Site Plan – Revised

Utility Plan – Revised

Utility Profiles – New

Building Plans, Elevations and Sections – New

Door, Louver & Hardware Plans – New

Building Structural Details - New

Mechanical

I400 –adding new mechanical piping to this drawing

I402 –new drawing - new building piping and elevations

Electrical

Electrical (Power & Lighting) Building Plans - New

Instrumentation

I400 –adding new building & conduits to this drawing

I401 – adding new i/ Remote I/ O enclosure (RIO) in abandoned space enclosure to this drawing

I402 - new drawing - new building instrumentation & display and elevations

I413 - new cameras added

2.8 SANTA ROSA RESERVOIR SITE – No change.

ATTACHMENTS: None

Guam Waterworks Authority
Design of Northern and Southern Guam Reservoirs

Fee Proposal Spreadsheet
CHANGE ORDER NO. 6

3/9/2021
Page 1 of 1

A	UGUM RESERVOIR SITE	TOTAL
	Engineering Services	\$ -
	Survey Services	\$ -
	Subconsultants	\$ -
	Direct Expenses	\$ -
TOTAL - UGUM RESERVOIR SITE		\$ -

B	EXISTING UGUM WATER PLANT SITE DRAINAGE	TOTAL
	Engineering Services	\$ 25,900.00
	Survey Services	\$ -
	Subconsultants	\$ 32,325.00
	Direct Expenses	\$ 83.00
TOTAL - EXISTING UGUM WATER PLANT SITE DRAINAGE		\$ 58,308.00

C	SANTA ROSA 2-PZR SITES	TOTAL
	Engineering Services	\$ -
	Survey Services	\$ -
	Subconsultants	\$ -
	Direct Expenses	\$ -
TOTAL - SANTA ROSA 2-PZR SITES		\$ -

D	SANTA ROSA PZR PIPELINE	TOTAL
	Engineering Services	\$ -
	Survey Services	\$ -
	Subconsultants	\$ -
	Engineering Services	\$ -
TOTAL - SANTA ROSA PZR PIPELINE		\$ -

E	SINIFA RESERVOIR SITE	TOTAL
	Engineering Services	\$ -
	Survey Services	\$ -
	Subconsultants	\$ -
	Direct Expenses	\$ -
TOTAL - SINIFA RESERVOIR SITE		\$ -

F	AGFAYAN BPS 4-ALTERNATIVE SITE REVIEW	TOTAL
	Engineering Services	\$ -
	Survey Services	\$ -
	Subconsultants	\$ -
	Direct Expenses	\$ -
TOTAL - AGFAYAN BPS 4-ALTERNATIVE SITE REVIEW		\$ -

G	AGFAYAN BPS 4-ALTERNATIVE SITES ROAD	TOTAL
	Engineering Services	\$ -
	Survey Services	\$ -
	Subconsultants	\$ -
	Direct Expenses	\$ -
TOTAL - AGFAYAN BPS 4-ALTERNATIVE SITES ROAD		\$ -

H	PROJECT MANAGEMENT	TOTAL
	Engineering Services	\$ 43,360.00
	Survey Services	\$ -
	Subconsultants	\$ 9,625.00
	Direct Expenses	\$ 42.00
TOTAL - PROJECT MANAGEMENT		\$ 53,027.00
TOTAL FEE - CHANGE ORDER NO. 5		\$ 111,335.00

Guam Waterworks Authority
Design of Northern and Southern Guam Reservoirs

Fee Proposal Spreadsheet
(E) UGUM WTP C.O. No. 06

3/9/2021
Page 1 of 1

DESIGN TASK	Principal	Project Mgr	Sr Civil Engr II	Sr Civil Engr I	Stf Civil Engr	Jr Civil Engr	CAD	Clerical	TOTAL COST
ENGINEERING SERVICES									
A. Equipment Building									
1. Site Review / Concept Development			4.0	4.0					
2. Site Civil Engineering (7-dwgs)		4.0		16.0		24.0			
3. Building Layout & Structural (3-dwgs)		2.0	4.0	8.0			24.0		
4. Plans, Specifications & Estimates		4.0	8.0	40.0			32.0	16.0	
B. Project Management	2.0	12.0						8.0	
Subtotal Hours	2.0	22.0	16.0	68.0	0.0	24.0	56.0	24.0	
Hourly Rate	\$205.00	\$185.00	\$170.00	\$135.00	\$105.00	\$85.00	\$110.00	\$55.00	
Subtotal Direct Labor	\$410.00	\$4,070.00	\$2,720.00	\$9,180.00	\$0.00	\$2,040.00	\$6,160.00	\$1,320.00	\$25,900.00
DESIGN TASK									
	PLS	Survey Tech	Field Crew	CAD	TOTAL COST				
SURVEY SERVICES									
1.0 Site Surveys									
Property Research									
Control Survey									
Boundary Survey									
Topographic Survey & Map									
2.0 Land Acquisition									
Subtotal Hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Hourly Rate	\$145.00	\$85.00	\$140.00	\$85.00	\$0.00	\$0.00	\$0.00	\$0.00	
Subtotal Direct Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SUBCONSULTANTS									
Subconsultant	Total Fee		% This Task		Task Fee				
1.0 MBI - Mechanical	\$17,460.00		10%		\$1,746.00				
MBI - Instrumentation	\$7,950.00		10%		\$795.00				
2.0 Wixon & Associates, LLC (Electrical)	\$2,800.00		10%		\$280.00				
3.0 Southeastern Archaeological Research, Inc. (Archaeological)	\$0.00		0%		\$0.00				
4.0 Geo-Engineering & Testing, Inc. (Geotechnical)	\$0.00		0%		\$0.00				
5.0 PCR Environmental, LLC (Environmental)	\$0.00		0%		\$0.00				
6.0 Rider Levett Bucknall (Cost Estimating)	\$0.00		0%		\$0.00				
7.0 Cornerstone Valuation Guam, Inc. (Appraisal)	\$0.00		0%		\$0.00				
Subtotal - Subconsultants					\$28,210.00				
TGE Sub Admin Fee (10%)					\$2,821.00				
GRT (4.17%)					\$1,294.00				
\$32,325.00									
DIRECT EXPENSES									
1.0 Reproduction	Sheets	Sets	Total Pages	Unit Cost	Subtotal				
Drawings (Full Size - 24x36)				\$1.00	\$0.00				
Drawings (Tabloid Size - 11x17)	5	20	100	\$0.50	\$50.00				
Documents (Letter Size - 8.5x11)	10	20	200	\$0.15	\$30.00				
CD				\$1.00	\$0.00				
Subtotal - Reproduction					\$80.00				
2.0 Vehicles/Fuel	Days	Crews	Rate	Subtotal					
Survey Field Crews	0	0	\$25.00	\$0.00					
3.0 Miscellaneous	0	0	\$0.00	\$0.00					
Subtotal - Task A Direct Expenses				\$80.00					
GRT (4.17%)				\$3.00					
\$83.00									
TOTAL - EXISTING UGUM WATER PLANT SITE DRAINAGE								\$58,308.00	

Guam Waterworks Authority
Design of Northern and Southern Guam Reservoirs

Fee Proposal Spreadsheet
CO#6 PROJECT MANAGEMENT

3/9/2021
Page 1 of 1

DESIGN TASK	Principal	Project Mgr	Sr Civil Engr II	Sr Civil Engr I	Stf Civil Engr	Jr Civil Engr	CAD	Clerical	TOTAL COST
ENGINEERING SERVICES									
Project Management									
1.0 Prep / Attend Bi-weekly Meetings / Webex (12-mos / 21-meetings)	10.0	84.0	84.0			42.0	42.0	60.0	
Subtotal Hours	10.0	84.0	84.0	0.0	0.0	42.0	42.0	60.0	
Hourly Rate	\$205.00	\$185.00	\$170.00	\$135.00	\$105.00	\$85.00	\$110.00	\$55.00	
Subtotal Direct Labor	\$2,050.00	\$15,540.00	\$14,280.00	\$0.00	\$0.00	\$3,570.00	\$4,620.00	\$3,300.00	\$43,360.00
SURVEY SERVICES									
1.0 Site Surveys									
Property Research									
Control Survey									
Boundary Survey									
Topographic Survey & Map									
2.0 Land Acquisition									
Subtotal Hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Hourly Rate	\$145.00	\$85.00	\$140.00	\$85.00	\$0.00	\$0.00	\$0.00	\$0.00	
Subtotal Direct Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SUBCONSULTANTS									
Subconsultant	Total Fee		% This Task		Task Fee				
1.0 MBI Consulting (Reservoir Design/Structural/Piping/Hydraulics/Modeling)	\$8,400.00		100%		\$8,400.00				
2.0 Wixon & Associates, LLC (Electrical)	\$0.00		0%		\$0.00				
3.0 Southeastern Archaeological Research, Inc. (Archaeological)	\$0.00		0%		\$0.00				
4.0 Geo-Engineering & Testing, Inc. (Geotechnical)	\$0.00		0%		\$0.00				
5.0 PCR Environmental, LLC (Environmental)	\$0.00		0%		\$0.00				
6.0 Rider Levett Bucknall (Cost Estimating)	\$0.00		0%		\$0.00				
7.0 Cornerstone Valuation Guam, Inc. (Appraisal)	\$0.00		0%		\$0.00				
Subtotal - Subconsultants					\$8,400.00				
TGE Sub Admin Fee (10%)					\$840.00				
GRT (4.17%)					\$385.00				
\$9,625.00									
DIRECT EXPENSES									
1.0 Reproduction	Sheets	Sets	Total Pages	Unit Cost	Subtotal				
Drawings (Full Size - 24x36)				\$1.00	\$0.00				
Drawings (Tabloid Size - 11x17)	5	10	50	\$0.50	\$25.00				
Documents (Letter Size - 8.5x11)	5	20	100	\$0.15	\$15.00				
CD				\$1.00	\$0.00				
Subtotal - Reproduction					\$40.00				
2.0 Vehicles/Fuel	Days	Crews	Rate	Subtotal					
Survey Field Crews	0	1	\$25.00	\$0.00					
3.0 Miscellaneous	0	0	\$0.00	\$0.00					
Subtotal - Task A Direct Expenses				\$40.00					
GRT (4.17%)				\$2.00					
TOTAL - PROJECT MANAGEMENT									\$53,027.00



Management Report

GWA CCU Work Session, November 16, 2021

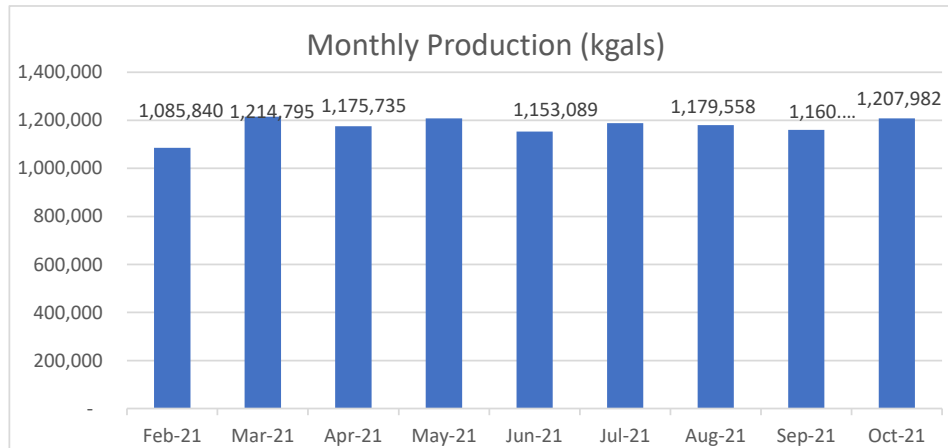


Operations Update

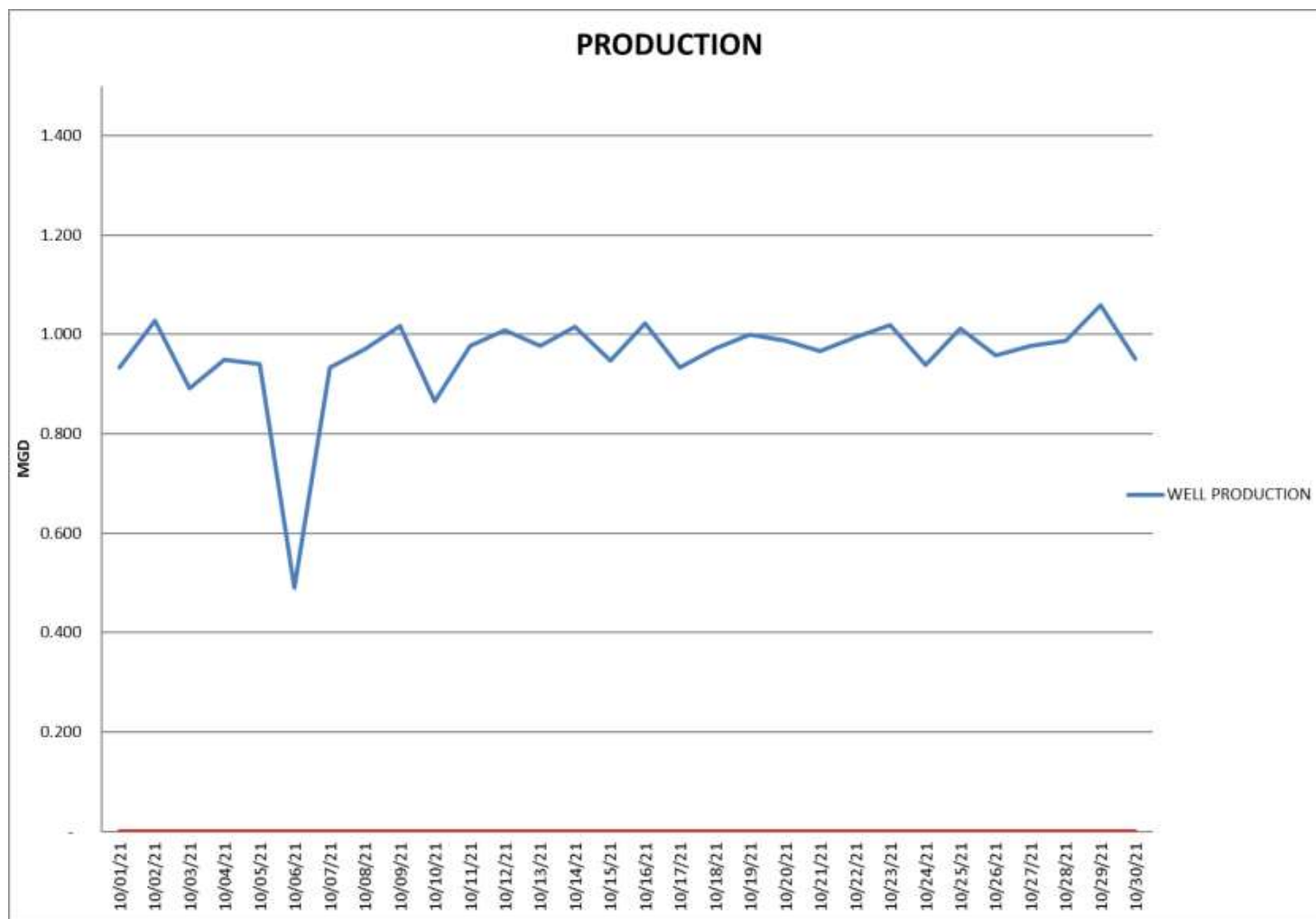
Production (October 2021)

Monthly Production Summary - October 2021				
Deep Wells			35.5 MGD	
Active wells =	93	of 120		
Avg days in operation =	31	days		
Total Production =	1,100,465	Kgals		
Springs			0.59 MGD	
Avg days in operation =	31	days		
Total Production =	18,272	Kgals		
Ugum Surface Water Plant			1.9 MGD	
Avg days in operation =	31	days		
Total Production =	59,589	Kgals		
Tumon Maui Well			0.96 MGD	
Avg days in operation =	31	days		
Total Production =	29,656	Kgals		
			1,207,982	39.0 MGD

DW Status as of 10/31/2021		
Active	93	
Grounded Motor, Mechanical Failure or Temporarily Secured	11	A26-D01-D03-F06-F13-M03-M12-Y16-Y20-F15-F02
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Temporarily Secured - PFO	2	A23-A25
Standby	6	A29-D24-F05-F10-G501-M17A
TOTAL	120	

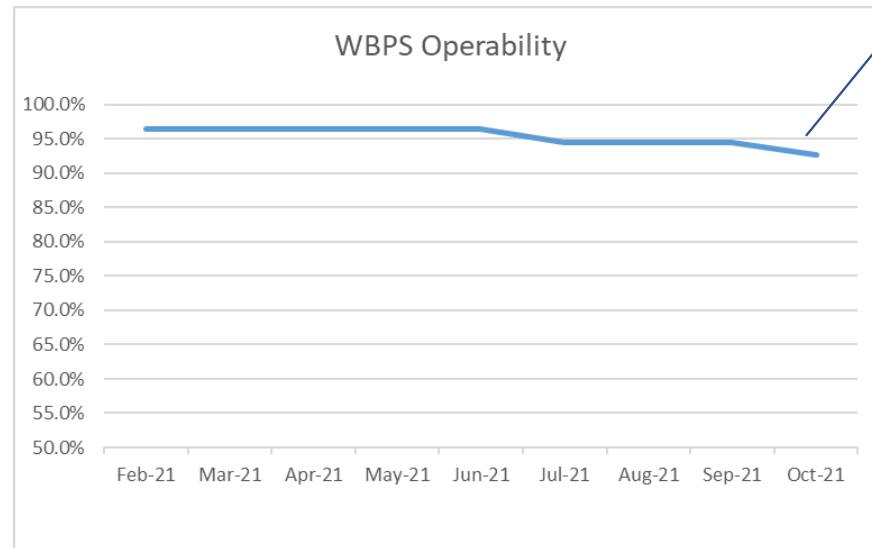


Tumon Maui Well Production (October 2021)



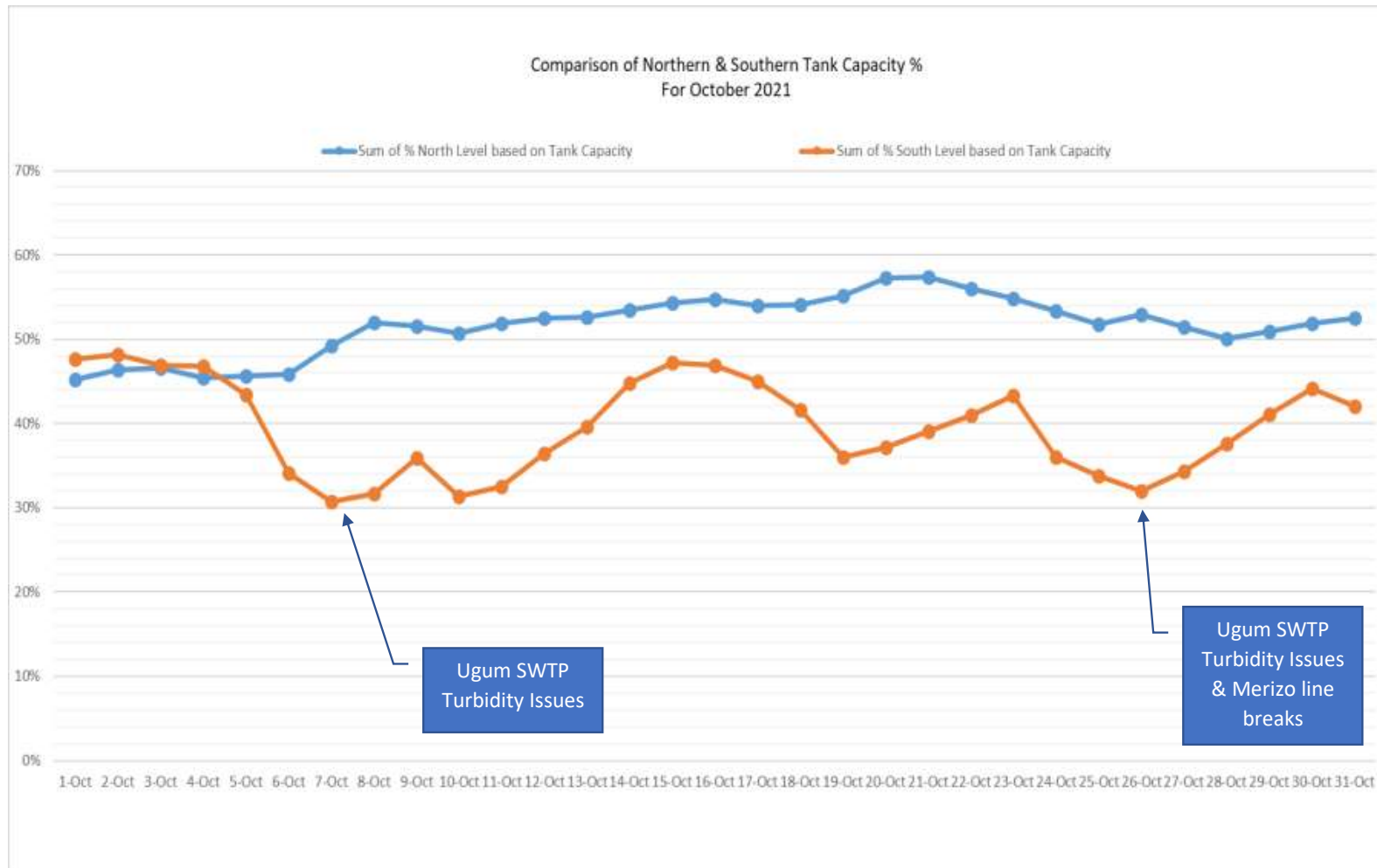
Distribution (October 2021)

Monthly Distribution Summary - October 2021					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	13	26	25	96.2%
	Central	7	14	11	78.6%
	Southern	7	15	15	100.0%
		27	55	51	92.7%

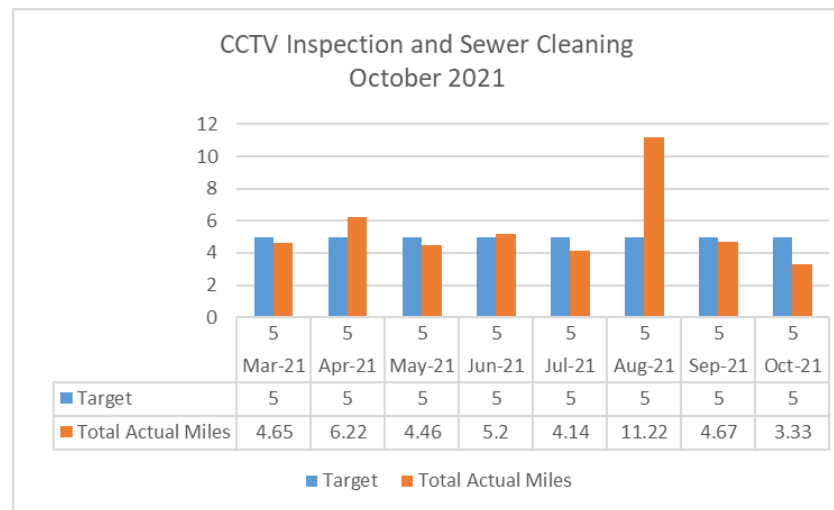
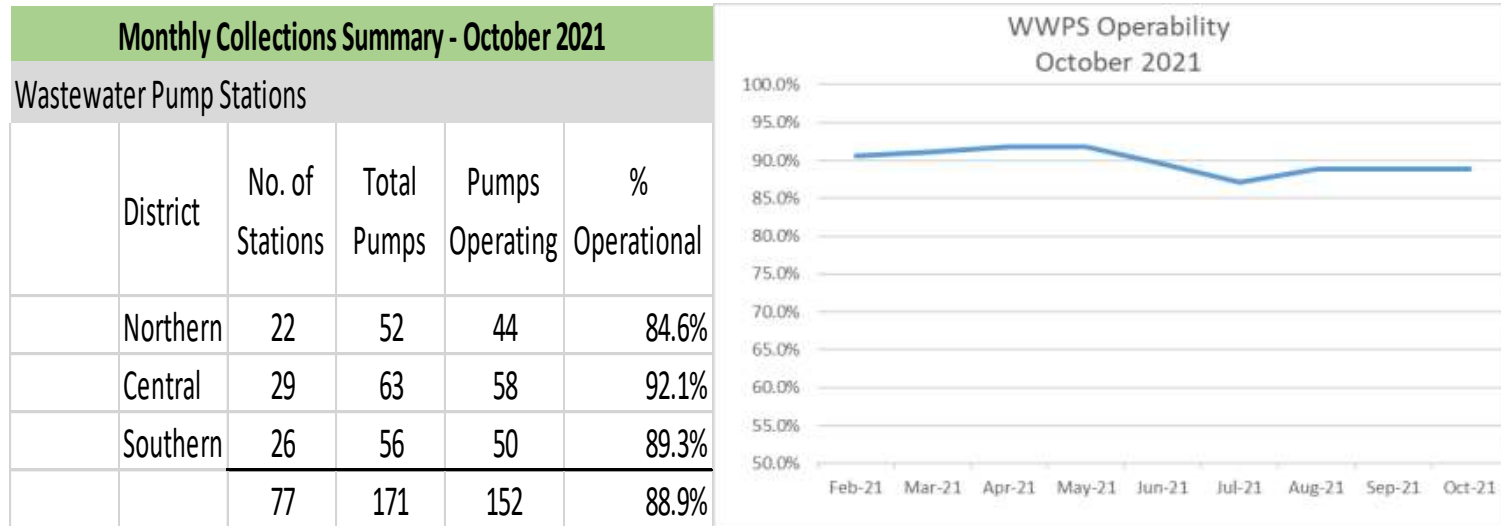


WW Hills BPS
Pump Issues

Distribution – Tank Levels (October 2021)

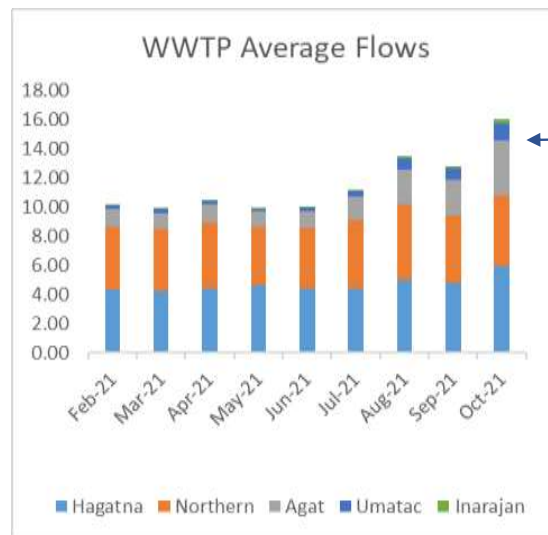


Wastewater Collections (October 2021)



Wastewater Treatment (October 2021)

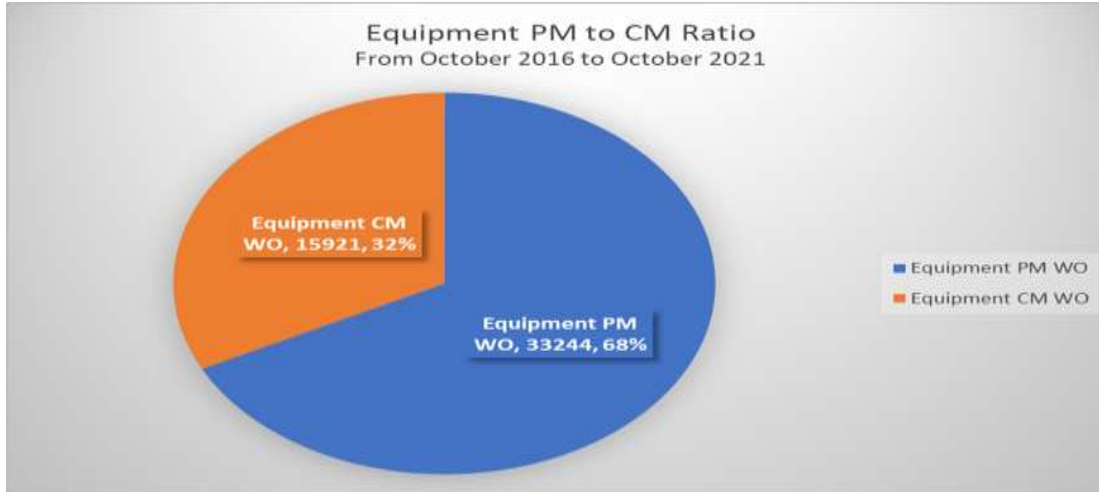
Monthly Wastewater Treatment Summary - October 2021				
WW Treatment Plants - Flows				
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)
	Hagatna	6.00	-	\$ -
	Northern	4.85	559,960	\$ 50,396
	Agat	3.75	38,820	\$ 3,494
	Umatac	1.13		
	Inarajan	0.31		
		16.04	598,780	\$ 53,890



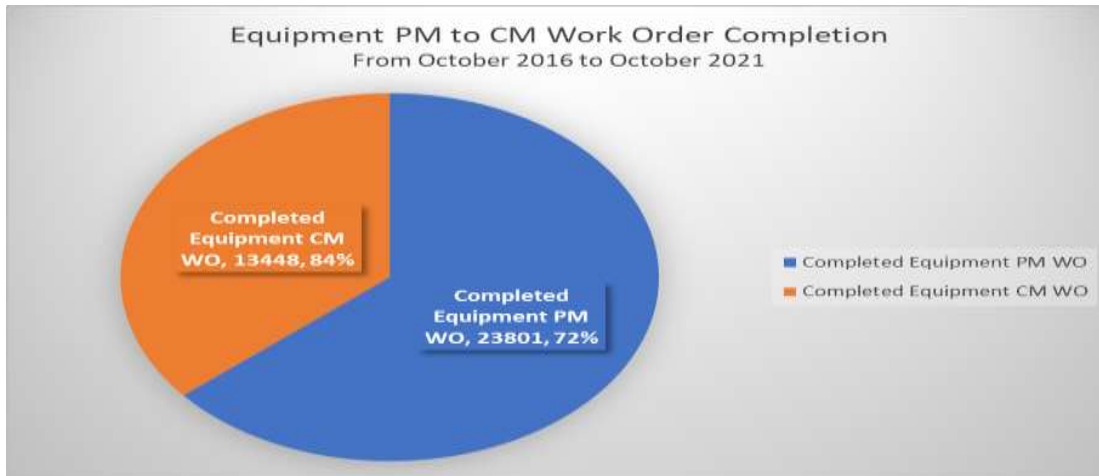
26.68 inches
of rainfall for
Oct 2021

Asset Management (through October 2021)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

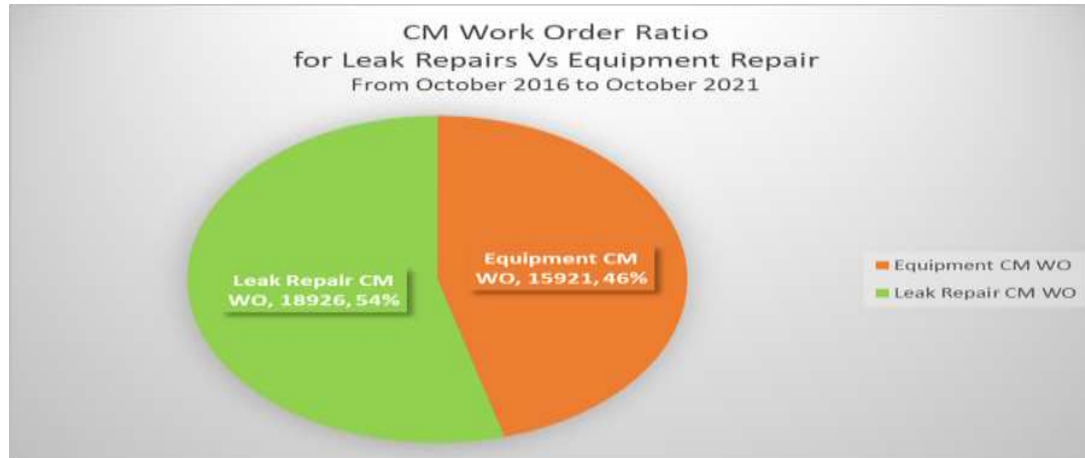


II. Equipment Preventive Maintenance to Corrective Maintenance *Work Order Completion*



Asset Management (through October 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



Court Order Summary (October 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 (October 2021)

- No CO delays due to approval of CO extension.
 - Final Date to complete CO 29(b) is June 30, 2023.
- Overflow or Bypass events reported to USEPA (for October 2021 up to November 8, 2021):
 - 10-09-2021, SSO#469, JA Camacho St., Maite – Debris + heavy rain
 - 10-10-2021, SSO#496, Chagamin Lagu Ave., Inalahan – heavy rain
 - 10-10-2021, SSO#494, Aga St., Hyundai, Santa Rita – Project Contractor Pump Failure
 - 10-10-2021, SSO#504, Jose Leon Guerrero St., Asan – PS Control Failure
 - 10-11-2021, SSO#495, Hyundai Subdivision, Santa Rita – Heavy Rain
 - 10-11-2021, SSO#501, CD 17 Dairy Road – Force main failure – Pipe Age
 - 10-11-2021, SSO#497, Mamajanao PS, Tamuning - PS Control Failure
 - 10-11-2021, SSO#498, Ypaopao PS, Tumon - PS Control Failure
 - 10-11-2021, SSO#496, Chagamin Lagu Ave, Inalahan - PS Control Failure
 - 10-15-2021, SSO#505, Aga St., Hyundai, Santa Rita – FOG
 - 10-23-2021, SSO#516, Serenu St., Tamuning – I&I – Rain
 - 10-23-2021, SSO#517, Chagamin Lagu Ave., Inalahan – PS Control Failure-rain
 - 10-24-2021, SSO#518, Chagamin Lagu Ave., Inalahan – PS Control Failure-rain
 - 10-25-2021, SSO#519, Chagamin Lagu Ave., Inalahan – PS Control Failure
 - 10-25-2021, SSO#520, Astumbo PS 2, Dededo - PS Control Failure
 - 11-01-2021, SSO#523, Chamorro Village, Tamuning - FOG
 - 11-01-2021, SSO#524, Buena Vista St., Dededo – FOG
 - 11-08-2021, SSO#528, Artero Drive, Dededo – FOG
 - 11-08-2021, SSO#527, Royal Orchid, Pale San Vitores, Tamuning – FOG

Land Acquisition Summary (for October 2021)

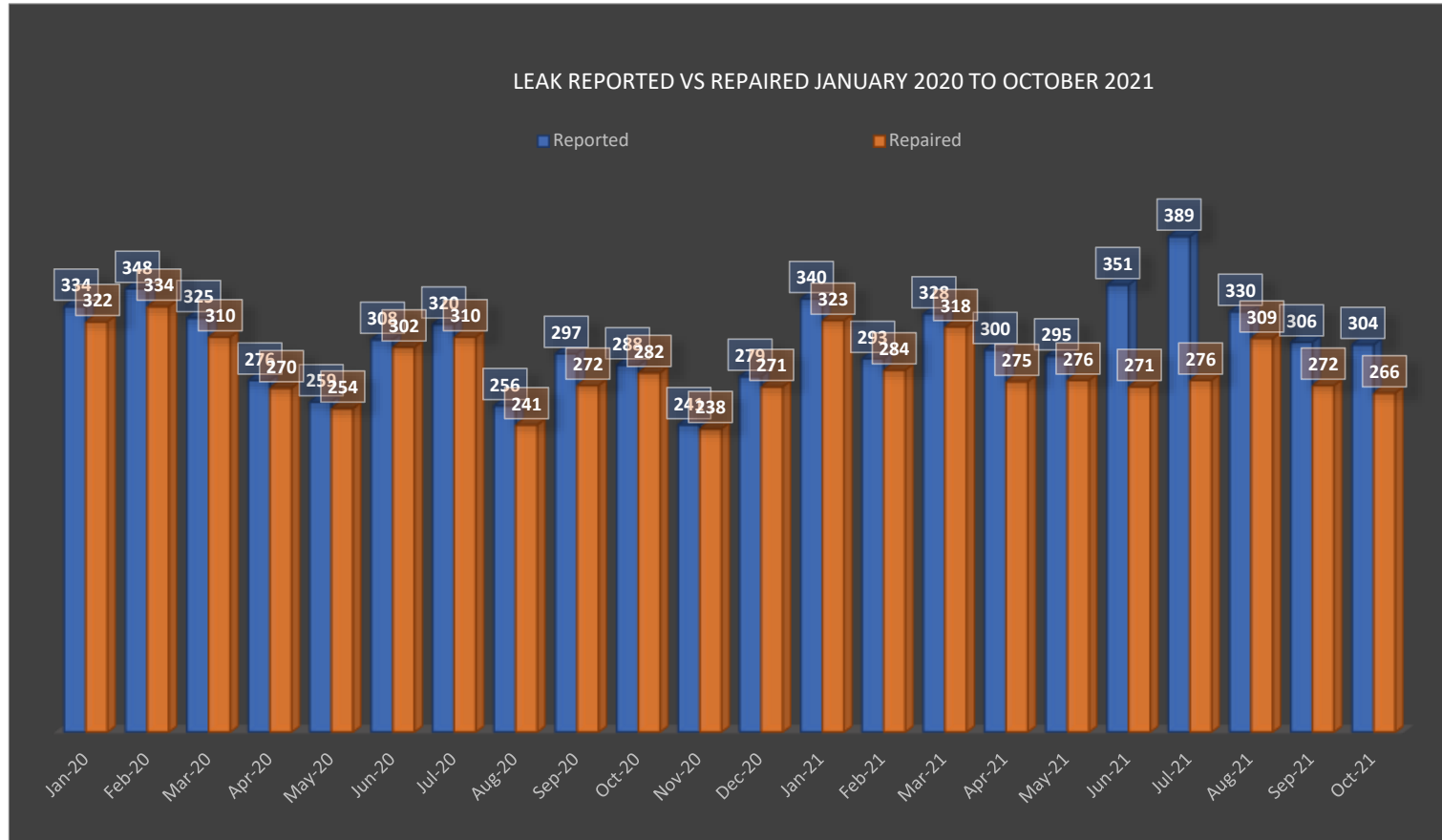
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo	Gov't. - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. AG pending court filing 06/30/2021. Follow up status sent to DLM 09/02/2021, 10/06/2021 and 11/03/2021.
	Piti	Private	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 form. Waiting for permission from NPS to access the lot and perform the Archeological survey.
	Airport	Private	Pending Security Title response on closing date 11/09/2021.
Deep Wells	AG-12	Dept. of Agriculture / Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2 nd follow up sent on 09/12/18. 3 rd follow up sent on 04/10/19. Retracement Survey Property Map filed and recorded at DLM 7/10/19. DCA submitted parceling map to DLM for review and comments on August 18, 2021, waiting for their review comments. Follow up status email sent to DCA 10/07/2021. 2nd follow up status email sent to DCA 11/10/2021.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inalahan 11/07/19. Letter of Decision received by CLTC 06/09/2021.

(Continued on next page)

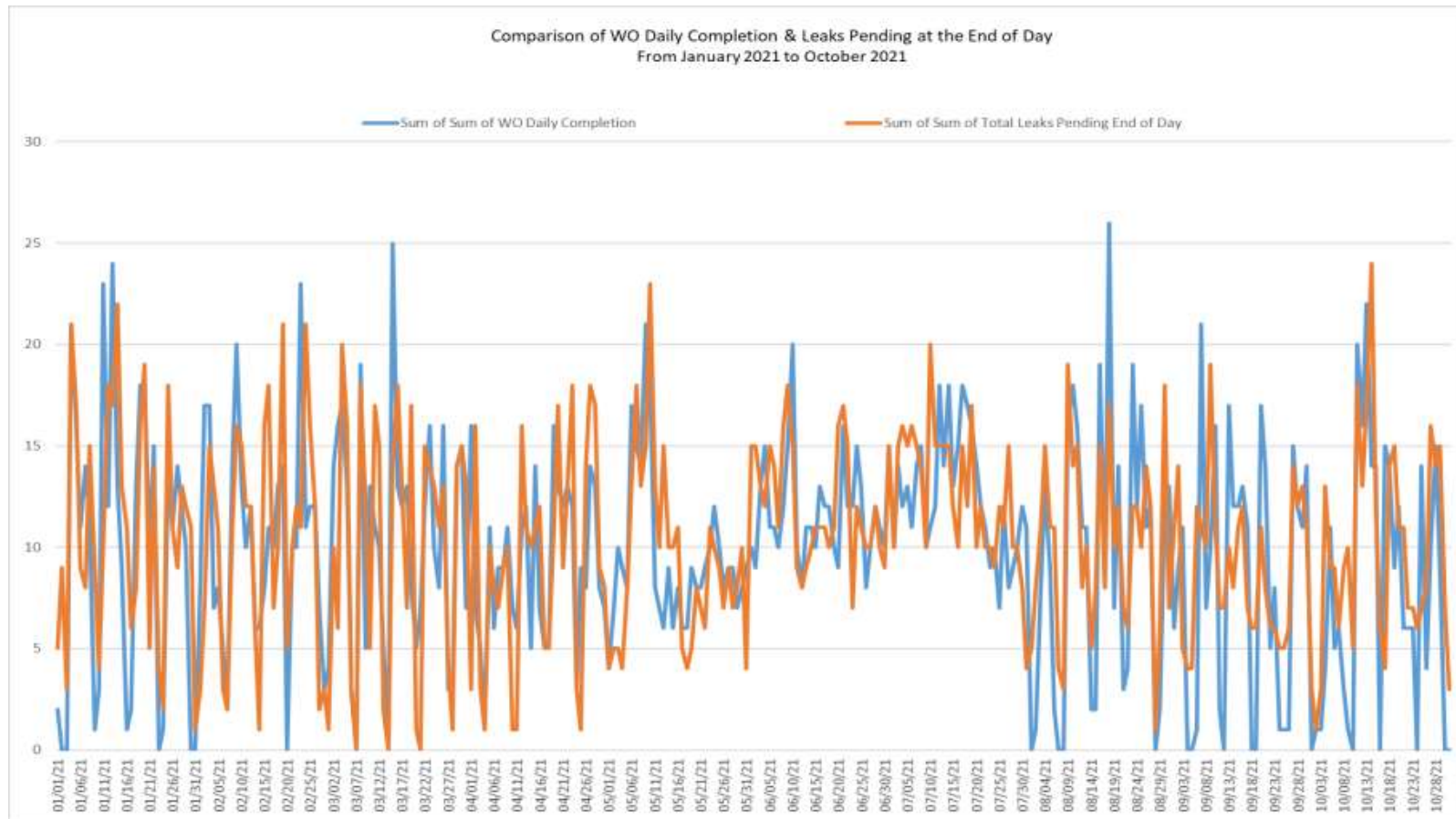
Land Acquisition Summary (for October 2021 – continuation)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Asan	Federal	<p>In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment (EA) will be developed. The permit for the biological survey was submitted on 6/12/2020 and was signed by NPS on 1/22/2021. Further coordination between NPS and SHPO is pending to determine necessary approach for an archaeological survey. New Chief of Resources for War in the Pacific National Historical Park, Timothy Clark, hired. Replacing Tahzay Jones, who was previously working with us. HDR working with Tim Clark on coordinating things with NPS.</p> <p><u>Biological Survey:</u></p> <ul style="list-style-type: none"> Fieldwork completed, 2/10/2021. Based on a preliminary finding by HDR's biologist they have found snails close to the site, and within NPS proposed ROW, and outside the proposed ROW. Draft report submitted to NPS, 4/1/2021. Comments received from NPS, 6/4/2021. Final Report submitted to NPS, 6/12/2021. NPS submitted Biological Survey to USFWS, 9/28/2021. met with NPS, USFWS, DOAG on 10/22/2021 to discuss survey and possible Biological Assessment (BA). HDR working with NPS to develop formal BA pending template of BA from USFWS; HDR completed draft Public Scoping Document for NPS review for NEPA process, 10/28/2021. <p><u>DOAG Environmental Consultation Letter:</u></p> <ul style="list-style-type: none"> HDR sent Request letter sent to DOAG (Dep of Ag) on 3/15/2021. GWA followed up with DOAG on 6/25/2021. DOAG responded on 7/1/2021, but did not reach GWA Eng. until 8/4/2021; HDR review response letter and will respond soon. <p><u>SHPO Letter:</u> Pending archaeological survey requirements from SHPO.</p> <ul style="list-style-type: none"> SHPO Letter sent to NPS for review, 5/29/2021; rec'd. first comments on 7/1/2021. Submitted revised letter on 7/12/2021; rec'd. comments on 8/9/2021. Resubmitted letter to NPS on 9/15/2021. NPS submitted Environmental Consultation Request to SHPO, 10/20/2021; awaiting response from SHPO.

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



Daily Leak Repairs (October 2021)





GWA Financial Overview

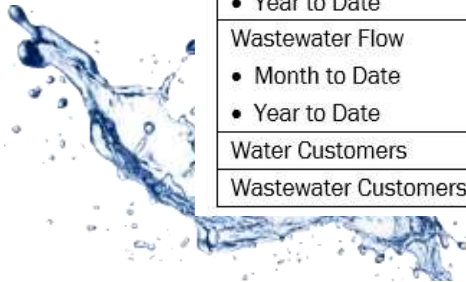
SEPTEMBER 2021





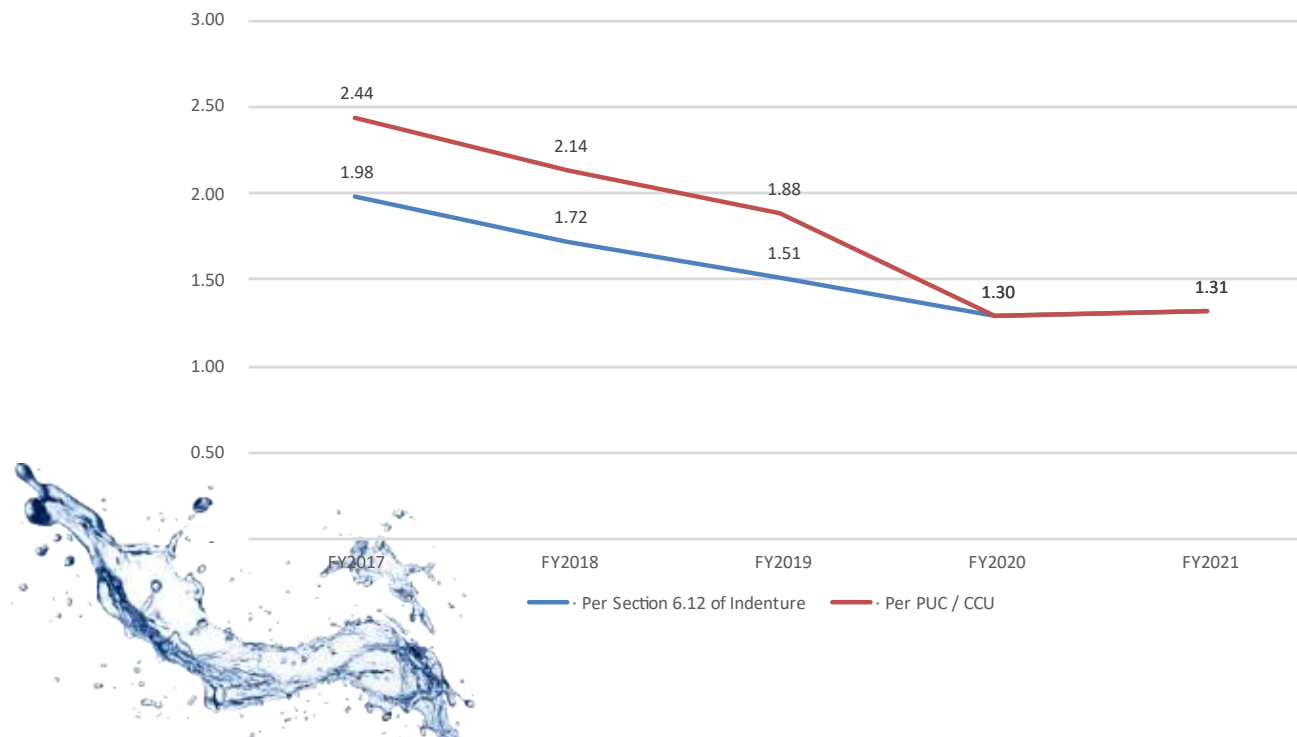
Key Financial Indicators

Indicator	Target	Aug-21	Sept-21
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.35	1.31
• Per PUC / CCU	1.40	1.35	1.31
Days - Cash on Hand	120 days	309 days	253 days
Collection Ratio			
• Month to Date	99%	94%	89%
• Year to Date	99%	99%	99%
Days Billed	30 days	31 days	31 days
Account Receivable Days	30 days	45 days	43 days
Account Payable Days	45 days	38 days	31 days
Employee Count	400 FTE	372 FTE	369 FTE
Water Demand			
• Month to Date	478,754	443,188	452,667
• Year to Date	5,745,050	4,887,197	5,339,864
Wastewater Flow			
• Month to Date	356,472	332,271	338,425
• Year to Date	4,277,668	3,473,402	3,811,826
Water Customers	42,839	43,184	43,084
Wastewater Customers	29,805	29,796	29,897



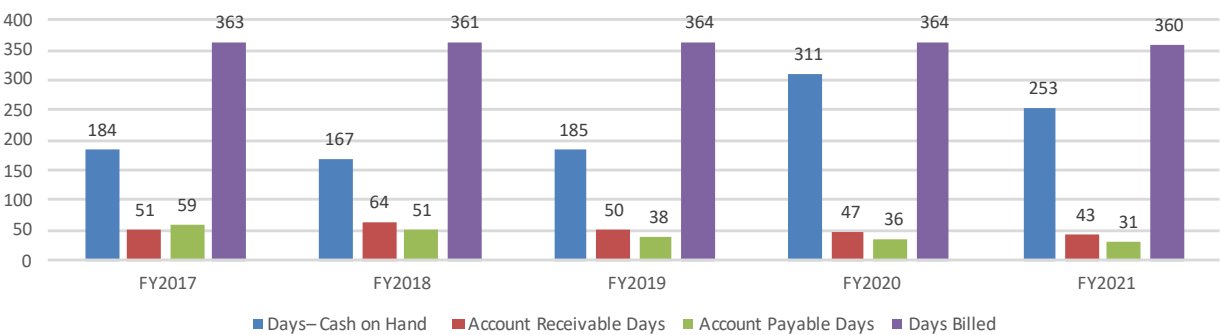


5-YR Key Financial Indicator Debt Service Coverage

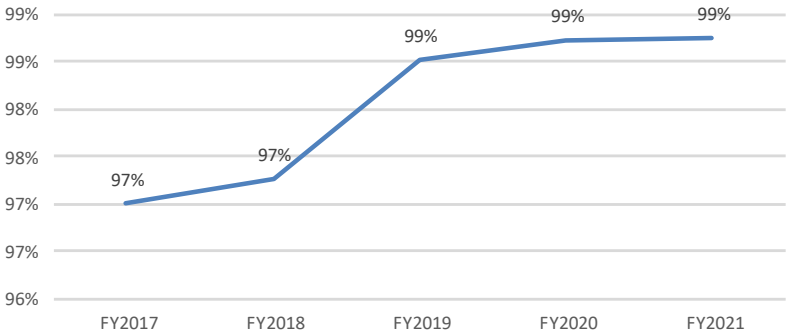




5-YR Key Financial Indicator (Efficiency Ratio)



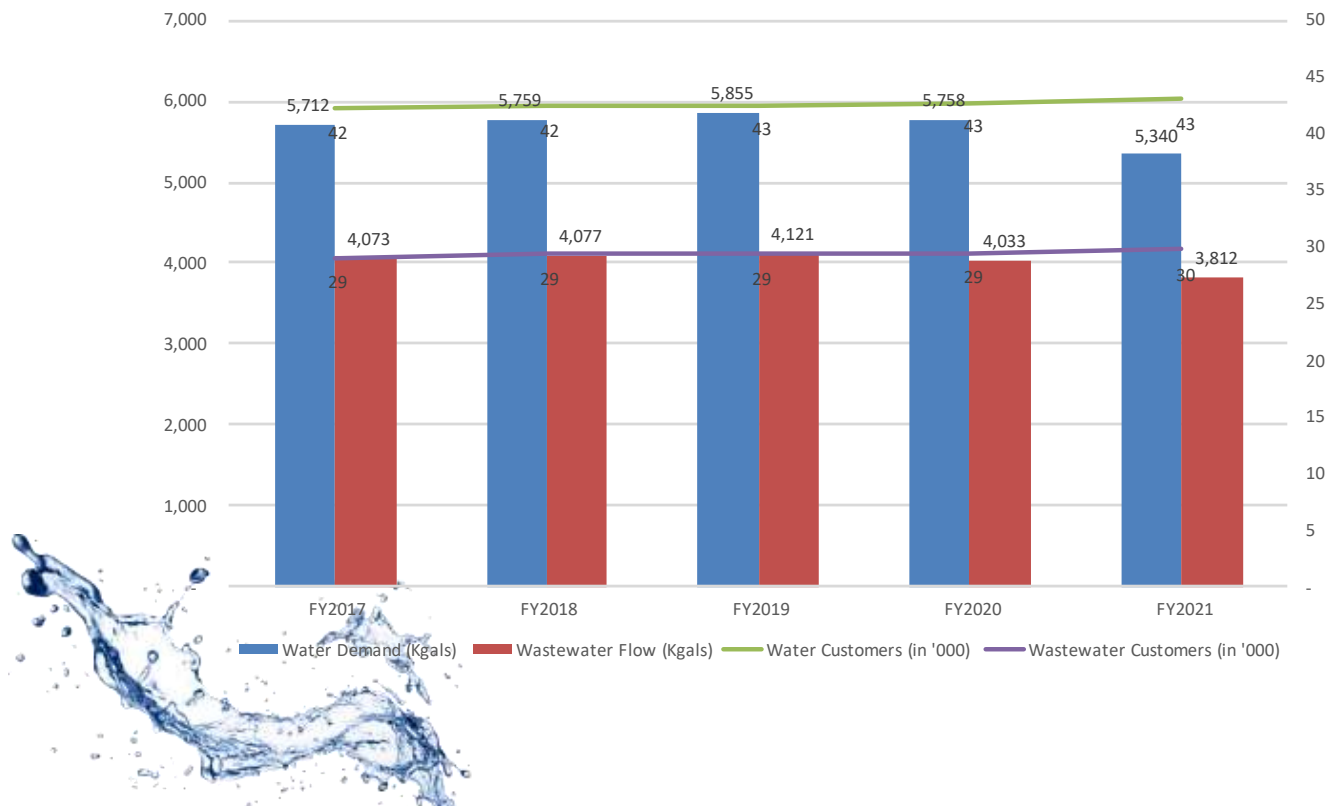
Collection Ratio (YTD)





5-YR Key Financial Indicator

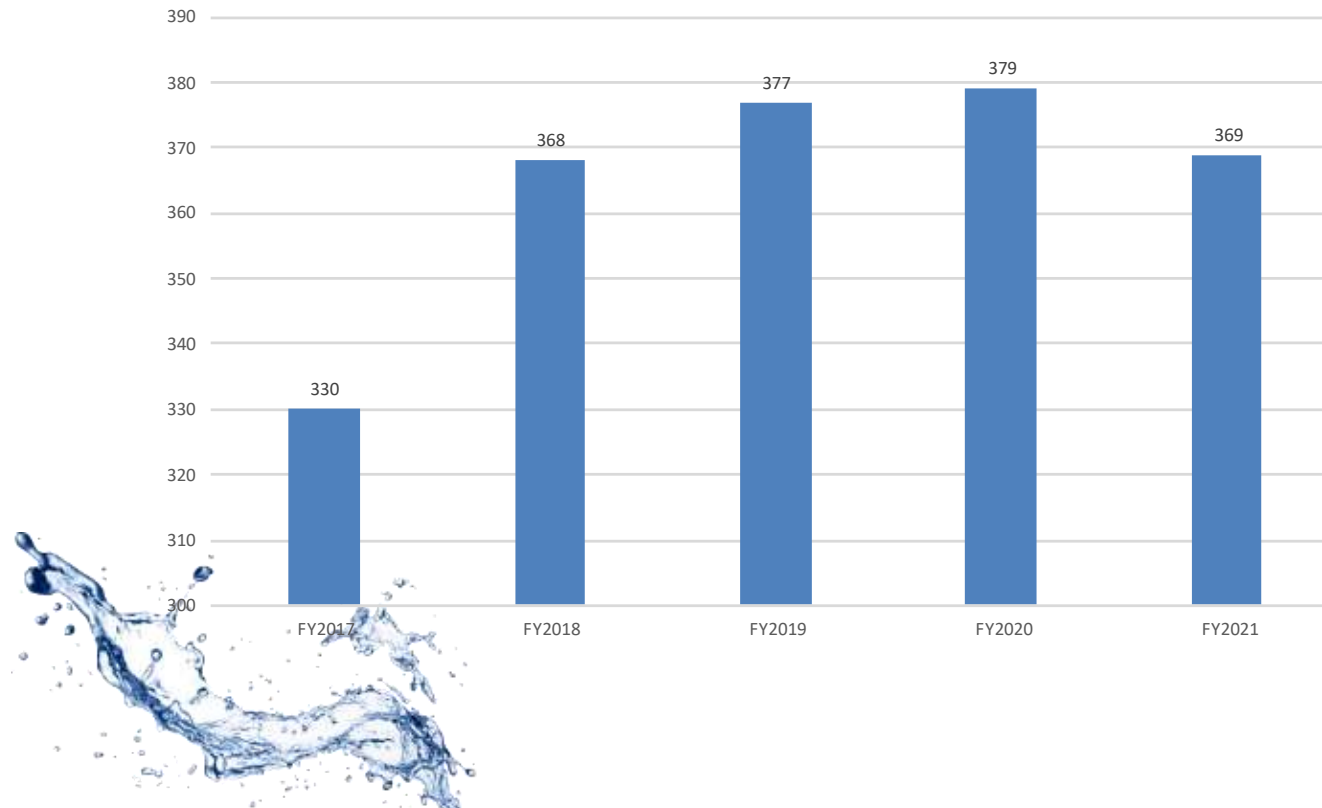
Demand, Flow and Number of Customers





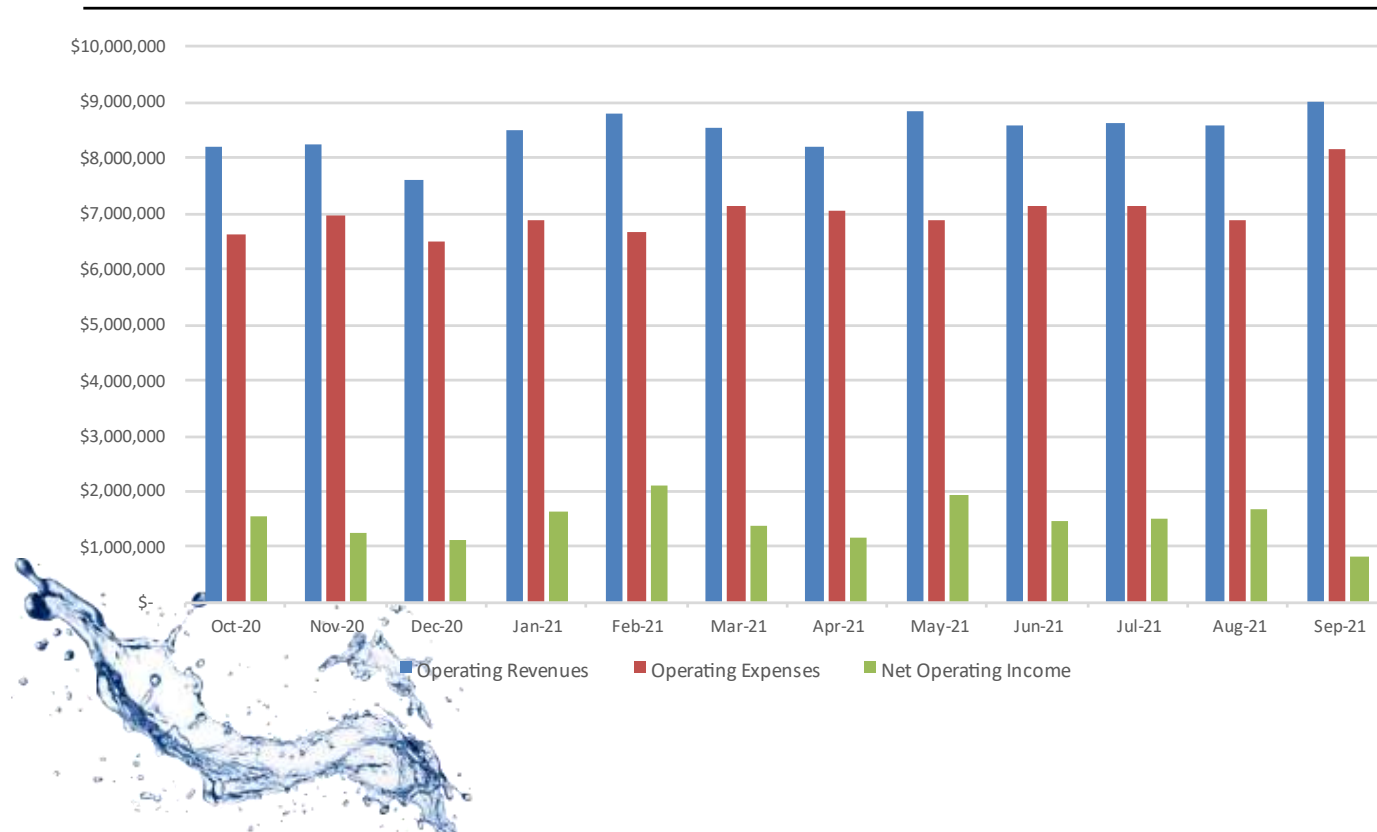
5-YR Key Financial Indicator

Employee Count





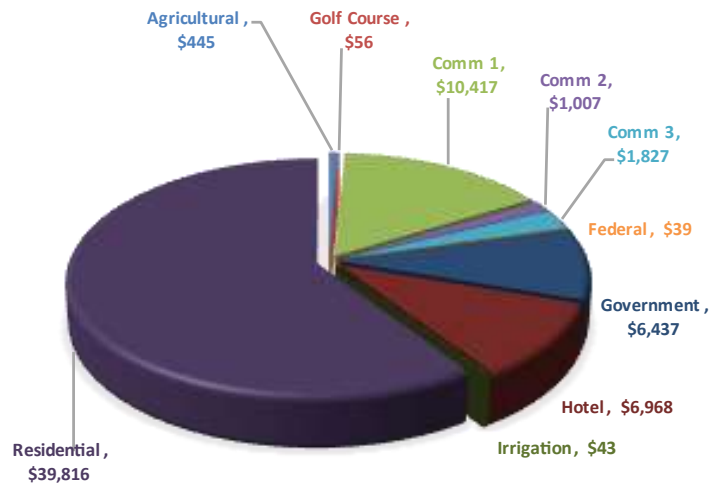
Income Statement



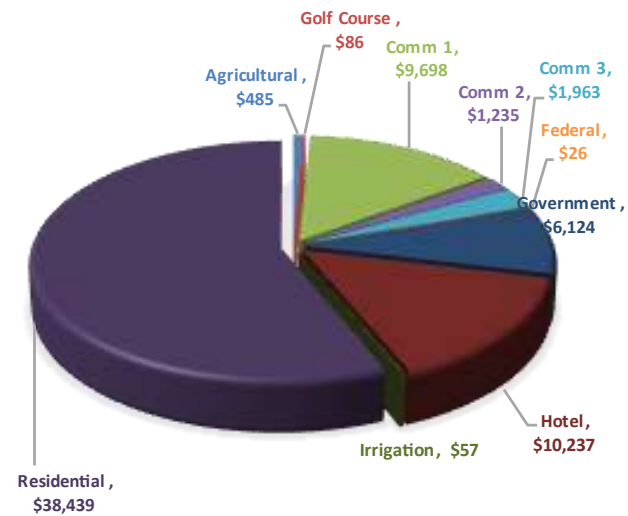


SEPTEMBER 2021 YTD Water Revenue by Rate Class

FISCAL YEAR 2021 (in '000)



FISCAL YEAR 2020 (in '000)

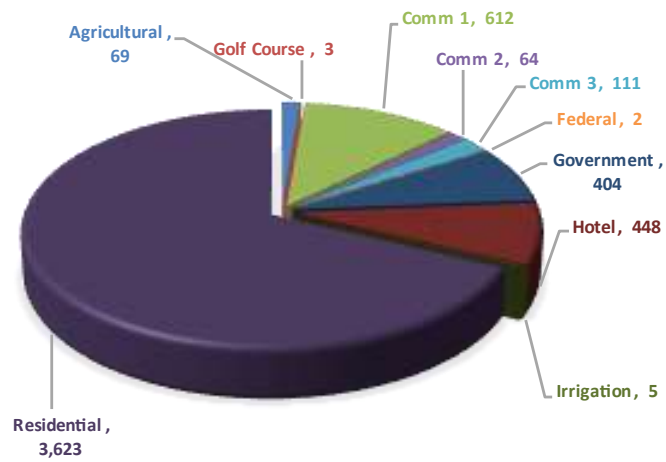




SEPTEMBER 2021 YTD Demand

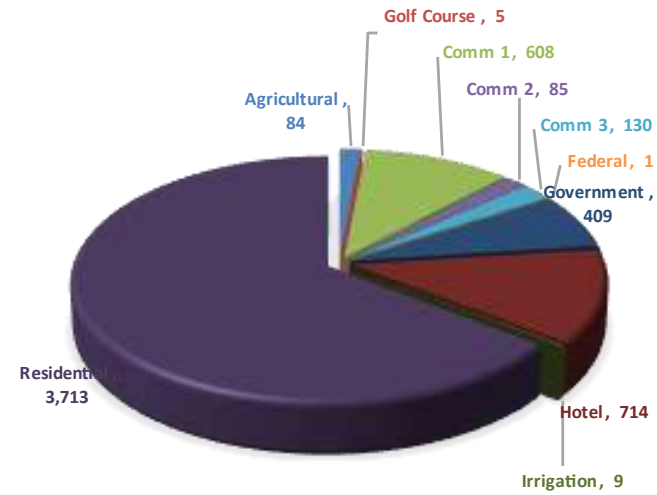
FISCAL YEAR 2021

in mGals



FISCAL YEAR 2020

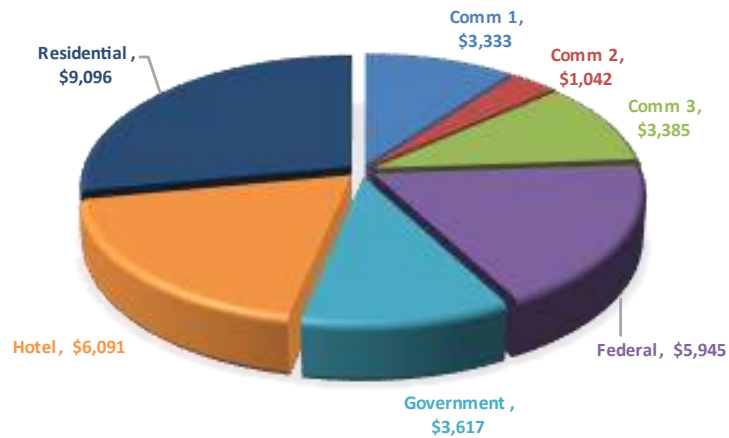
in mGals



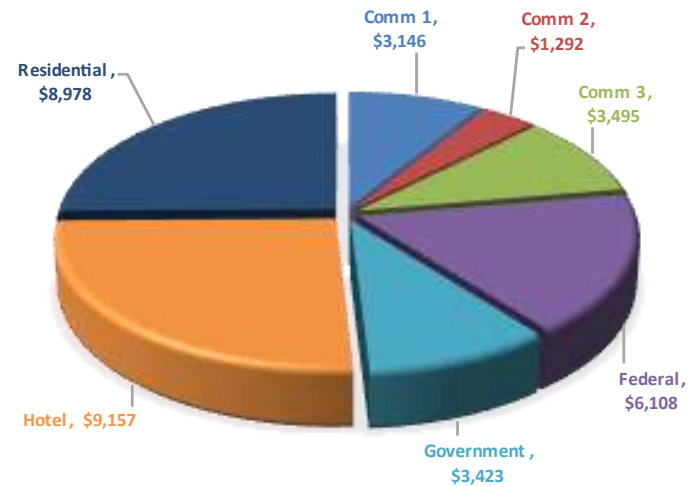


SEPTEMBER 2021 YTD Waste Water Revenue by Rate Class

FISCAL YEAR 2021 (in '000)



FISCAL YEAR 2020 (in '000)

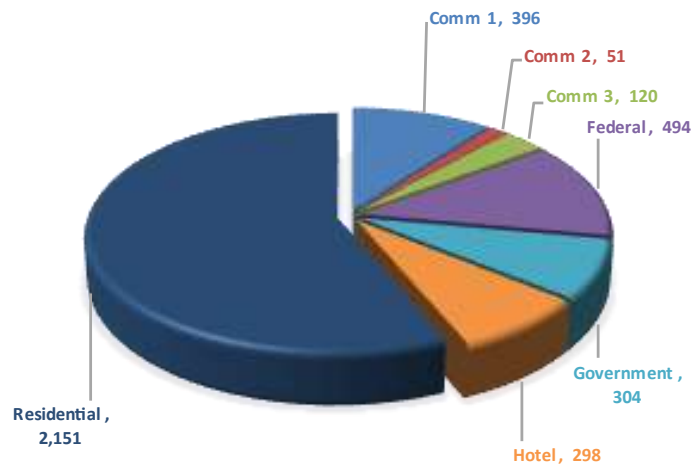




SEPTEMBER 2021 YTD Flow

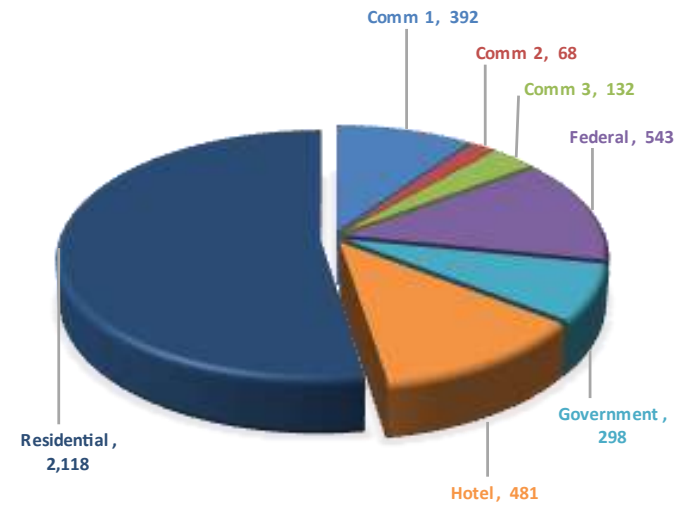
FISCAL YEAR 2021

in mGals



FISCAL YEAR 2020

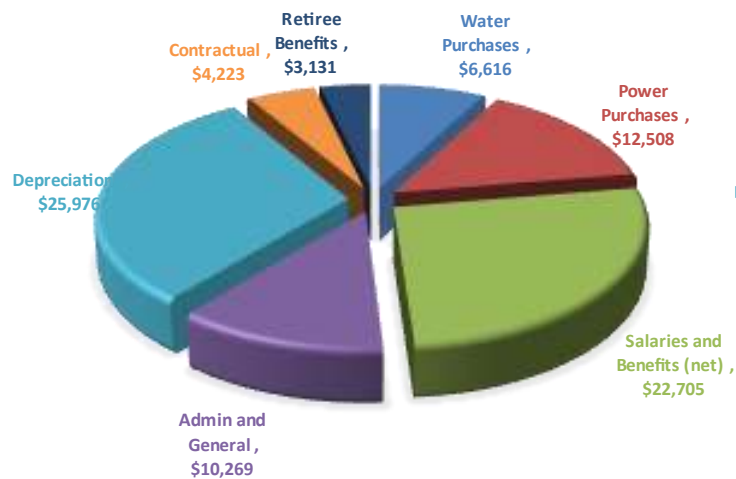
in mGals



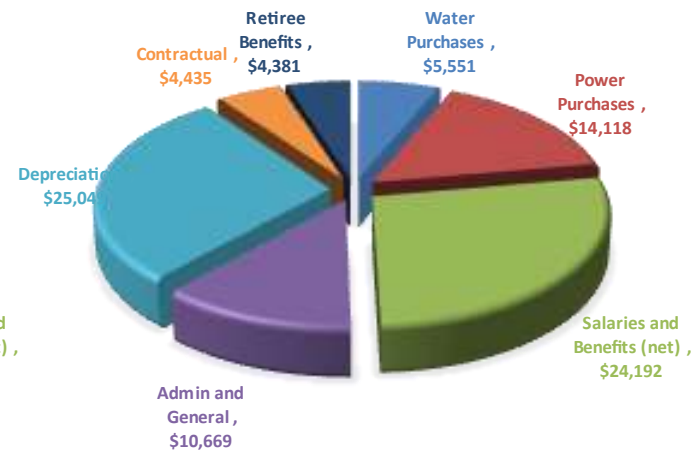


SEPTEMBER 2021 YTD Expenses by Categories

FY2021

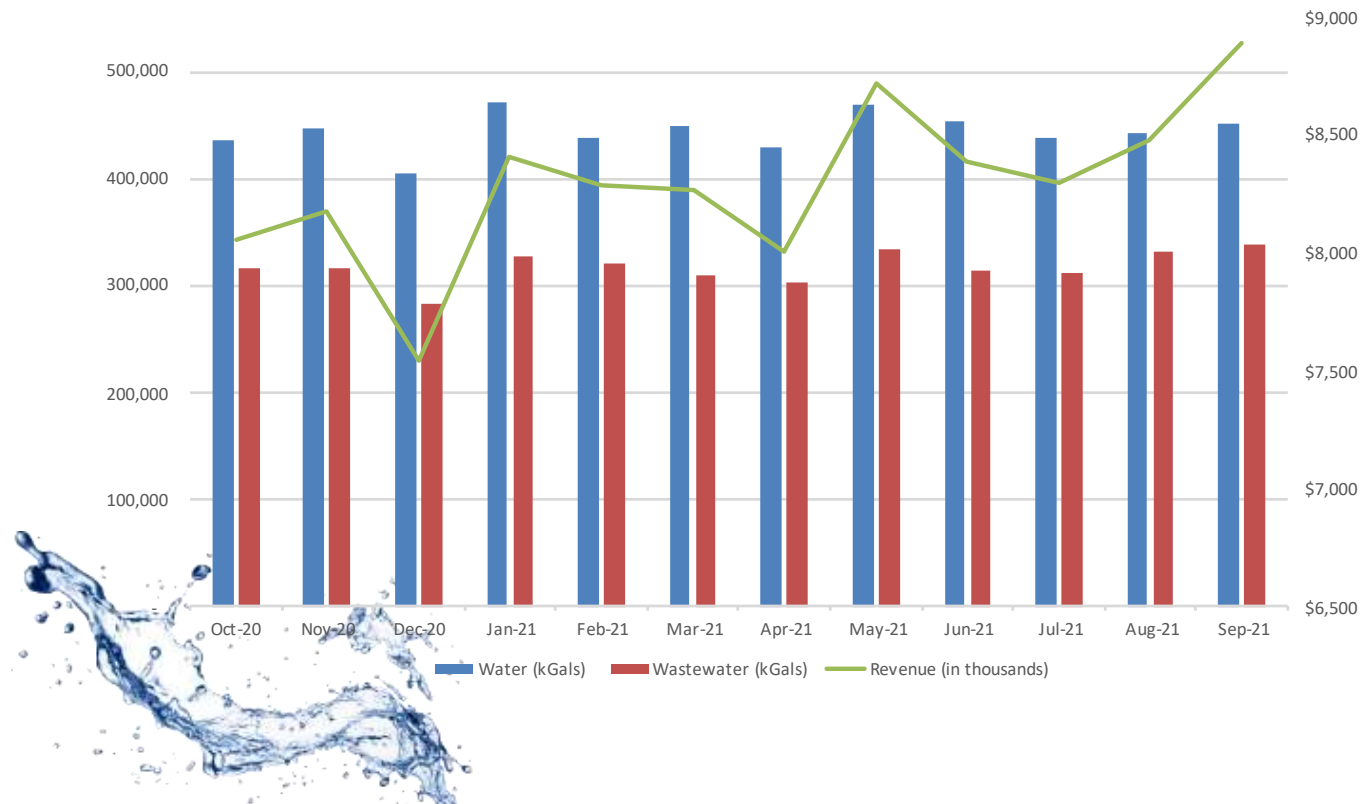


FY2020





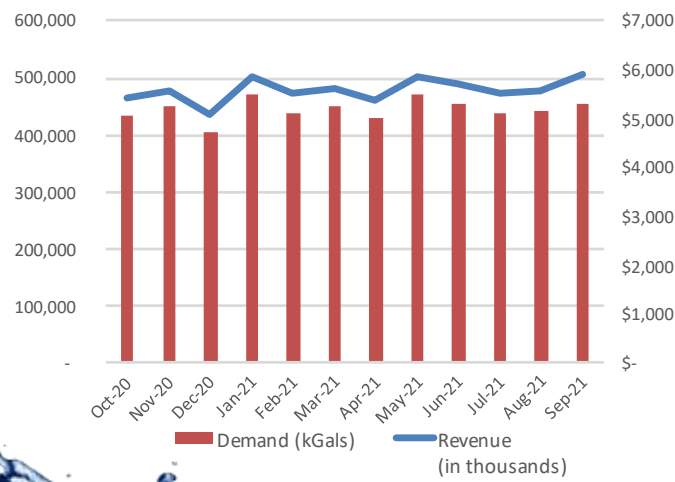
Overall Revenues and Demand



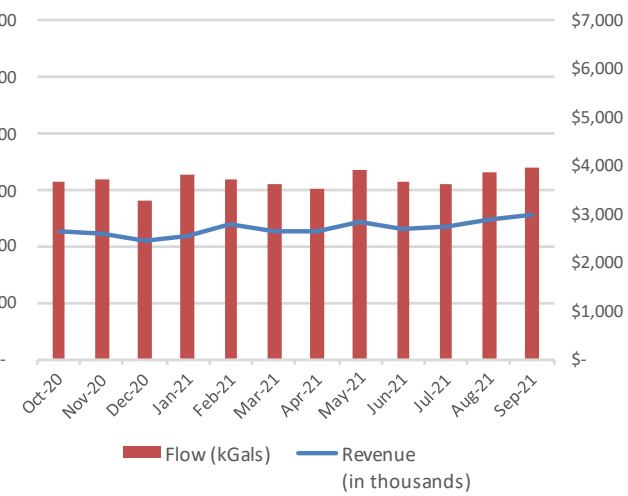


Revenues and Demand

Water Revenue and Demand

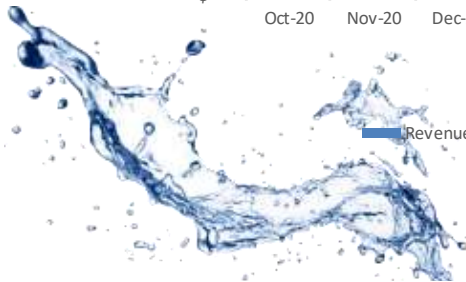
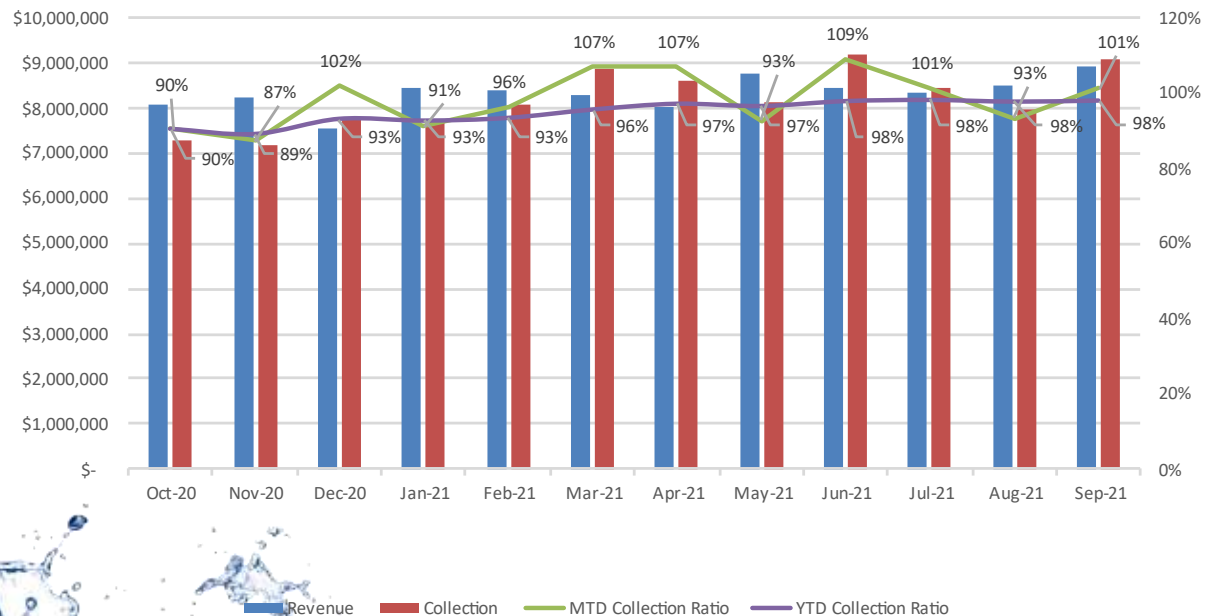


Wastewater Revenue and Flow



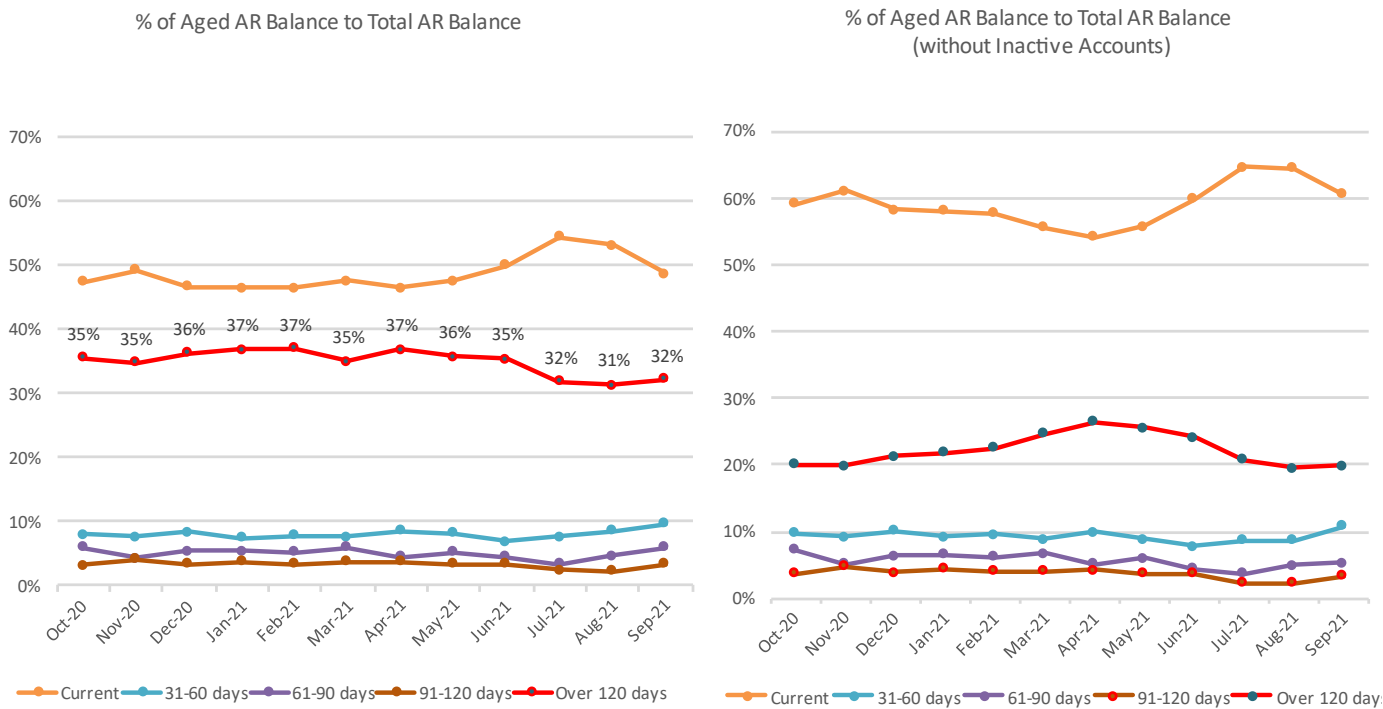


Overall Revenues and Collections





Overall – AR Aging





GWA Financial Overview

OCTOBER 2021





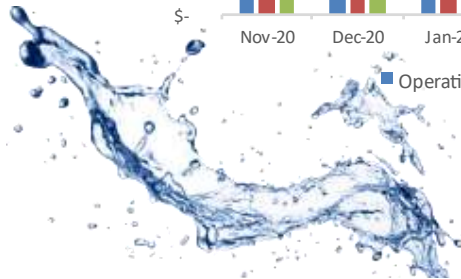
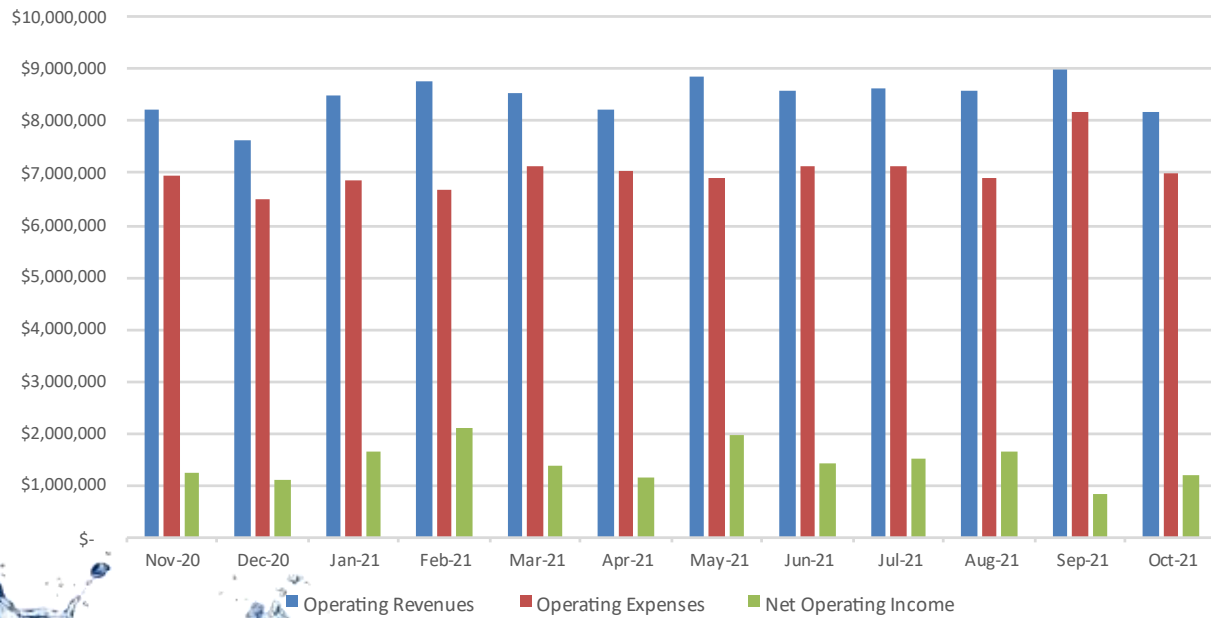
Key Financial Indicators

Key Financial Indicators			
Indicator	Target	21-Sep	21-Oct
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.31	1.25
• Per PUC / CCU	1.40	1.31	1.25
Days - Cash on Hand	120 days	253 days	232 days
Collection Ratio			
• Month to Date	99%	89%	95%
• Year to Date	99%	99%	95%
Days Billed	30 days	31 days	30
Account Receivable Days	30 days	43 days	43 days
Account Payable Days	45 days	31 days	37 days
Employee Count	400 FTE	369 FTE	365 FTE
Water Demand			
• Month to Date	478,754	452,667	436,303
• Year to Date	478,754	5,339,864	436,303
Wastewater Flow			
• Month to Date	356,472	338,425	309,291
• Year to Date	356,472	3,811,826	309,291
Water Customers	42,839	43,084	43,106
Wastewater Customers	29,805	29,897	29,860





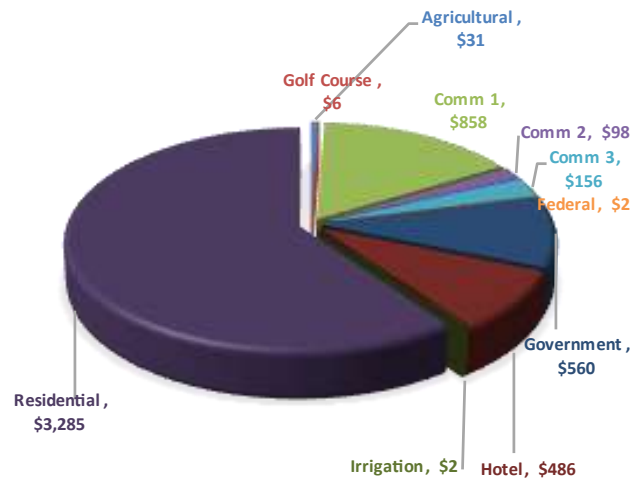
Income Statement



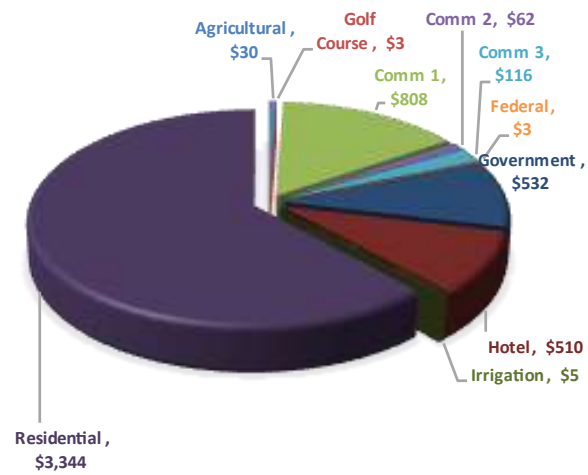


OCTOBER 2021 YTD Water Revenue by Rate Class

FISCAL YEAR 2022 (in '000)



FISCAL YEAR 2021 (in '000)

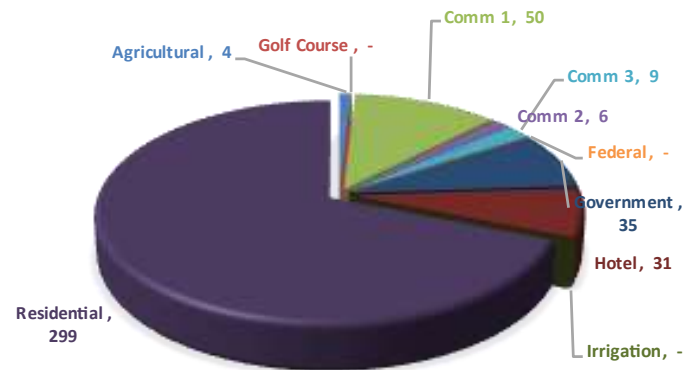




OCTOBER 2021 YTD Demand

FISCAL YEAR 2022

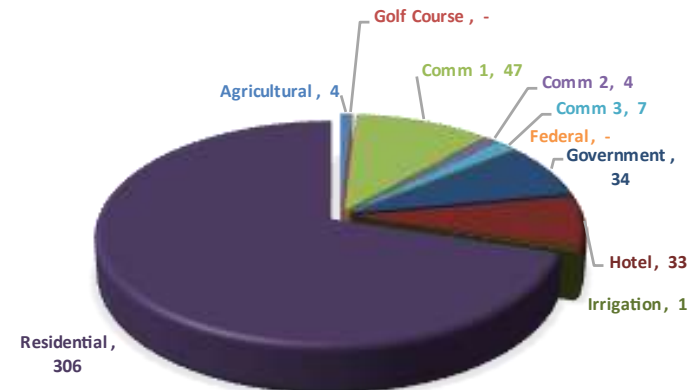
in mGals



Golf Course 306Kgals; Federal 117 Kgals; Irrigation 231 Kgals

FISCAL YEAR 2021

in mGals

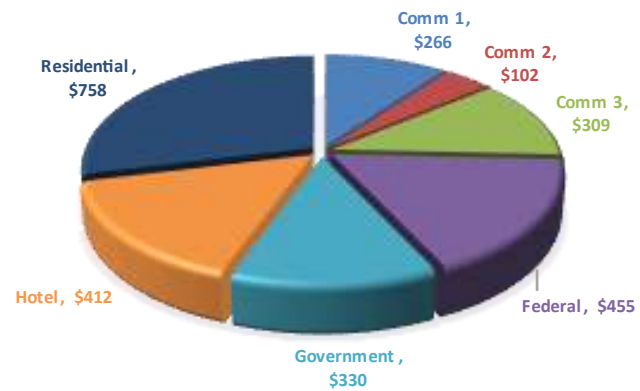


Golf Course 141Kgals; Federal 166 Kgals; Irrigation 671 Kgals

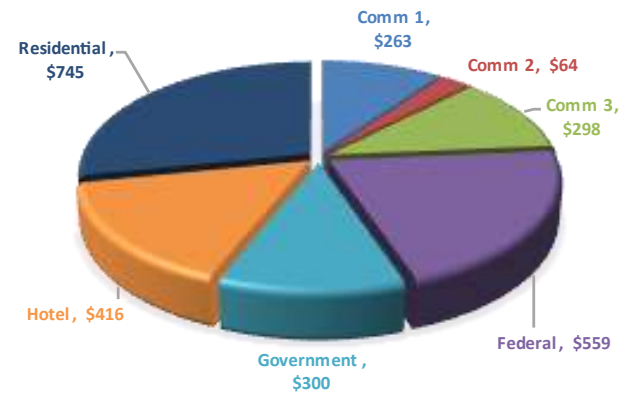


OCTOBER 2021 YTD Waste Water Revenue by Rate Class

FISCAL YEAR 2022 (in '000)

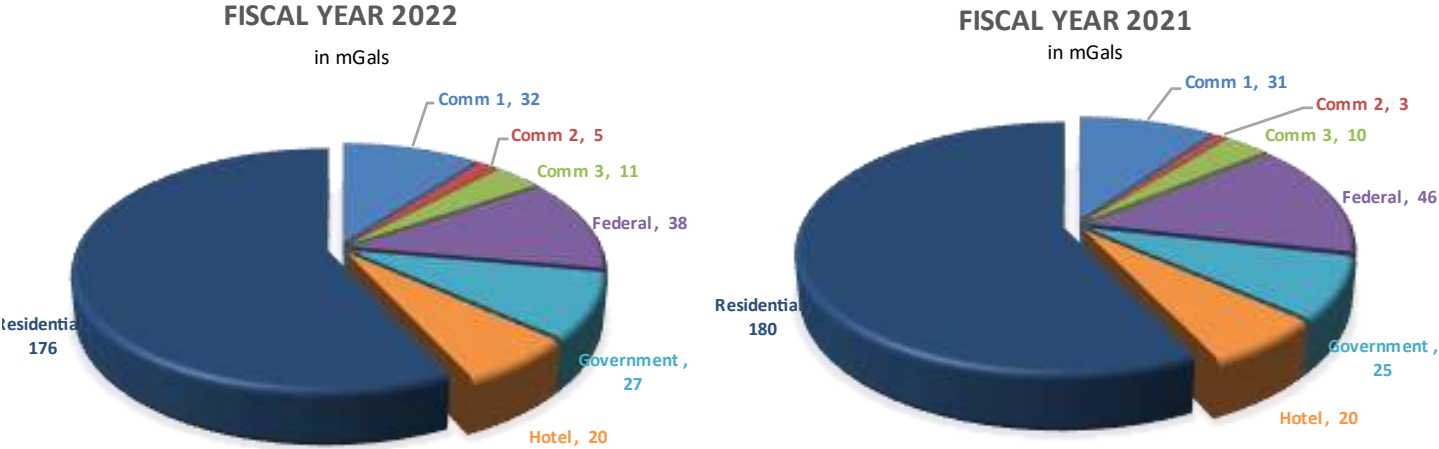


FISCAL YEAR 2021 (in '000)



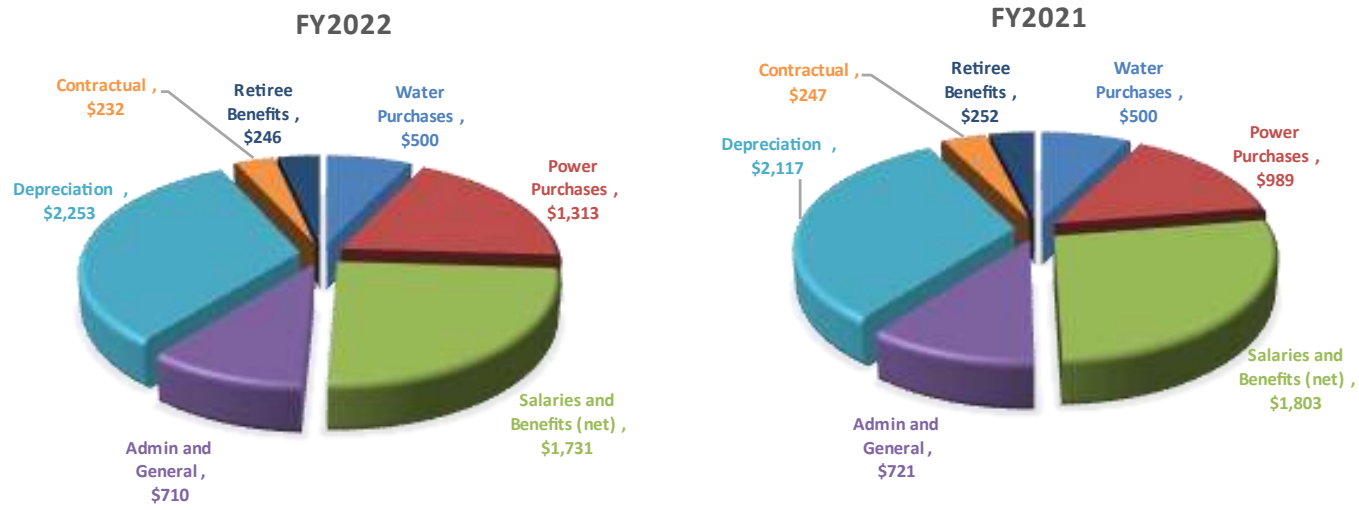


OCTOBER 2021 YTD Flow



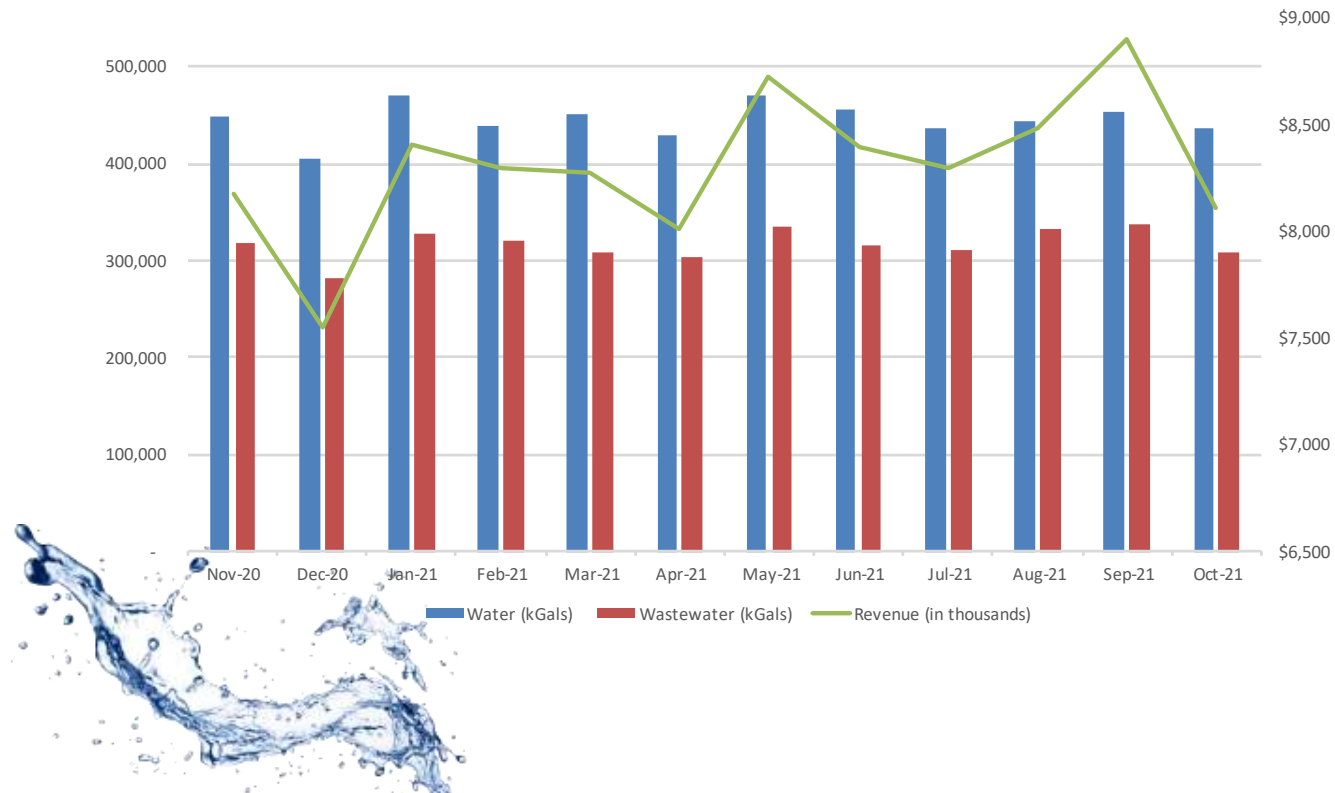


OCTOBER 2021 YTD Expenses by Categories





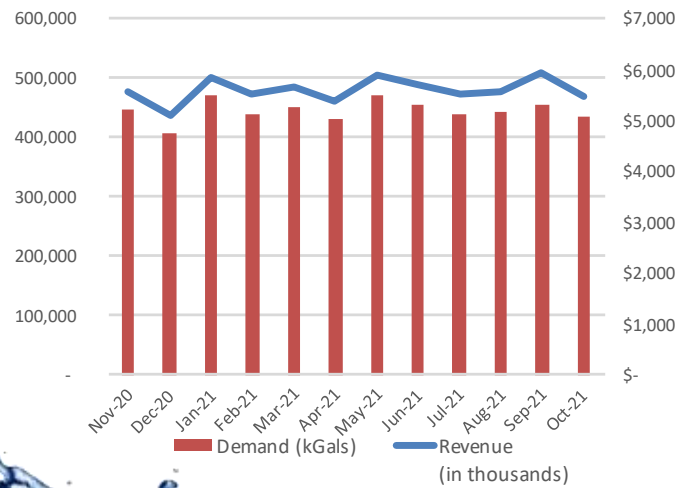
Overall Revenues and Demand



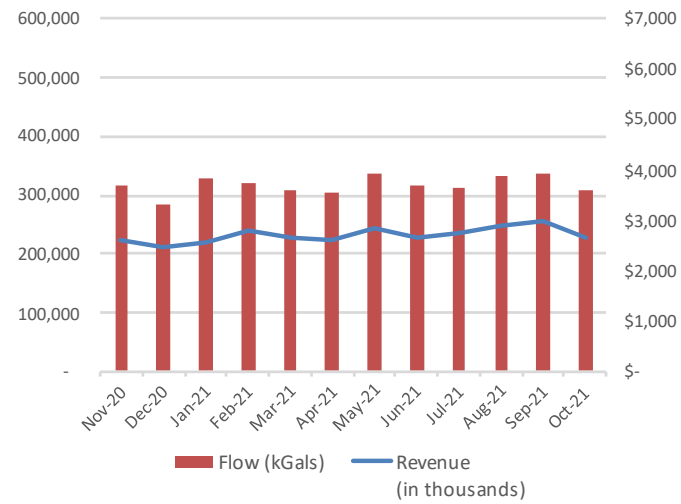


Revenues and Demand

Water Revenue and Demand

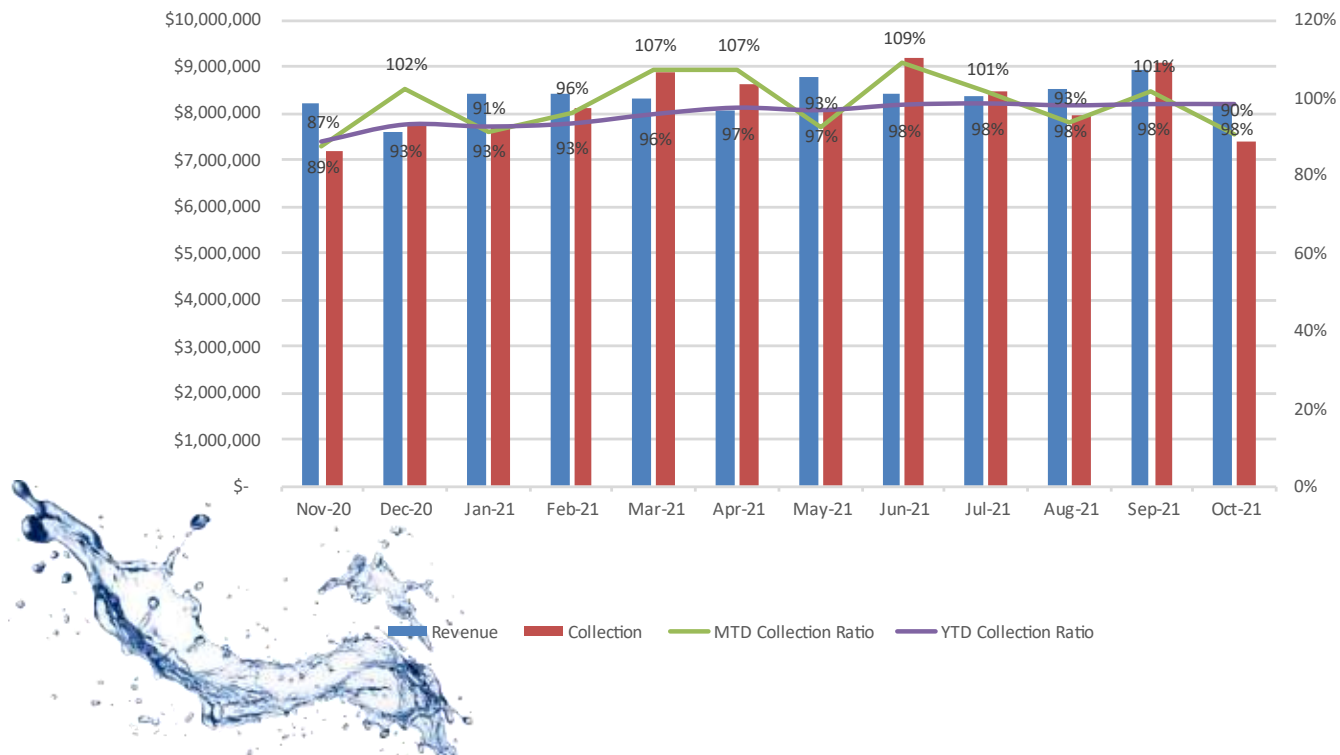


Wastewater Revenue and Flow





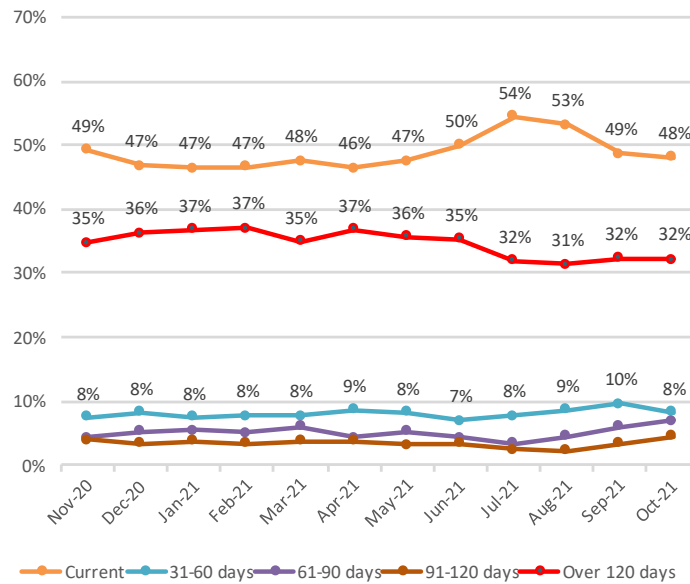
Overall Revenues and Collections



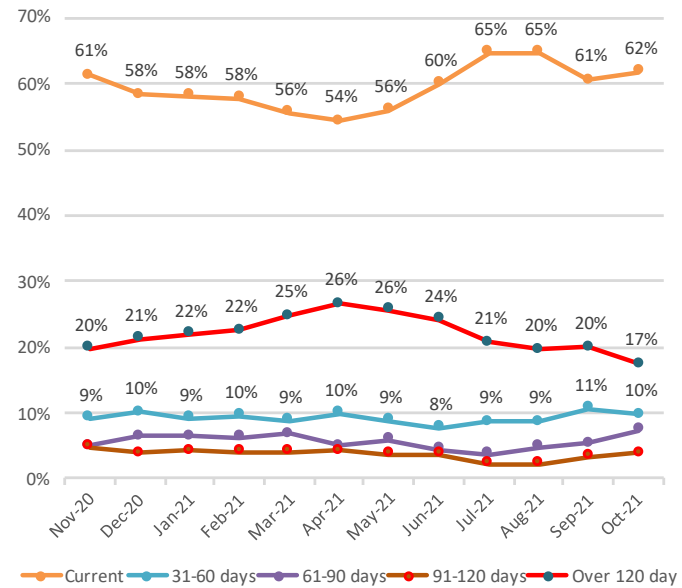


Overall – AR Aging

% of Aged AR Balance to Total AR Balance



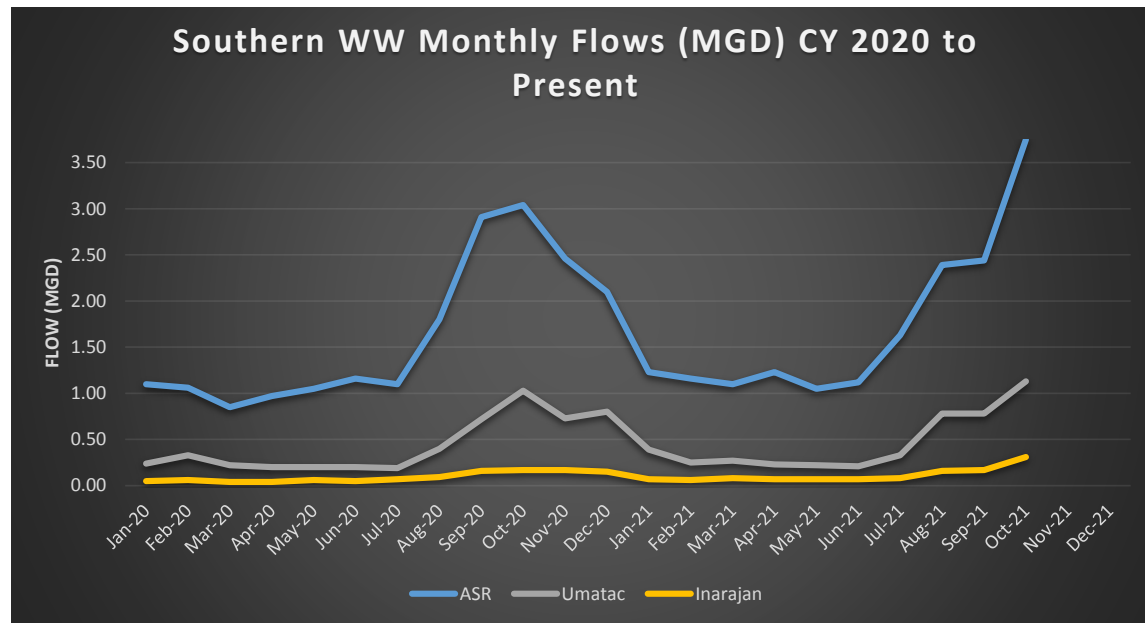
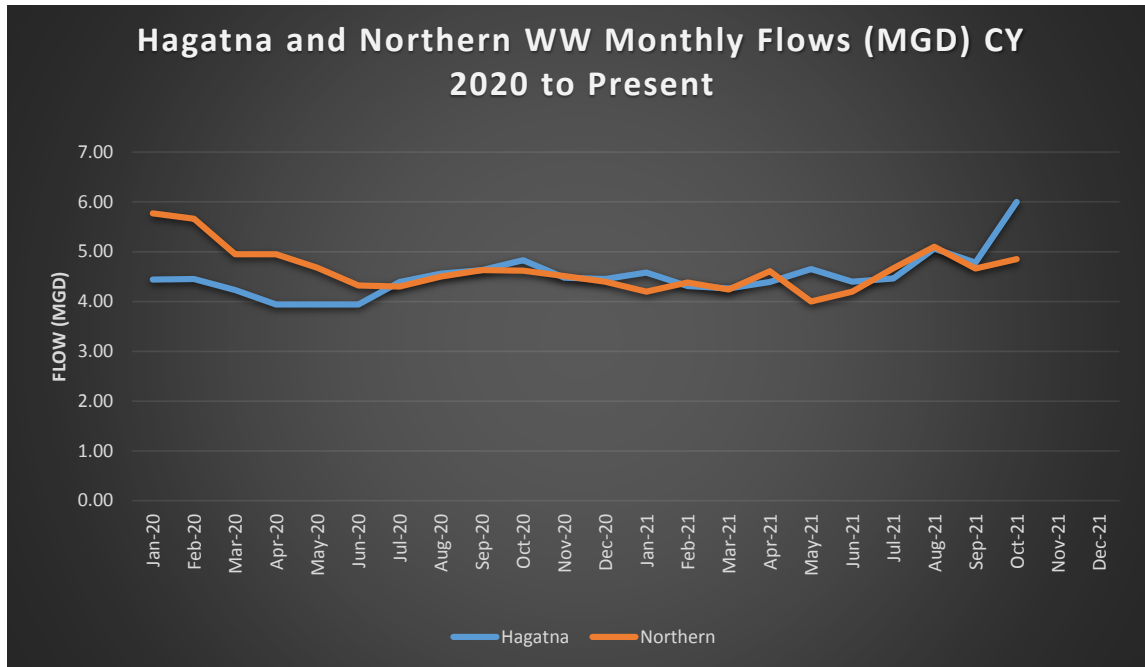
% of Aged AR Balance to Total AR Balance
(without Inactive Accounts)



Wastewater Treatment Plant Average Monthly Flows Million Gallons Per Day

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

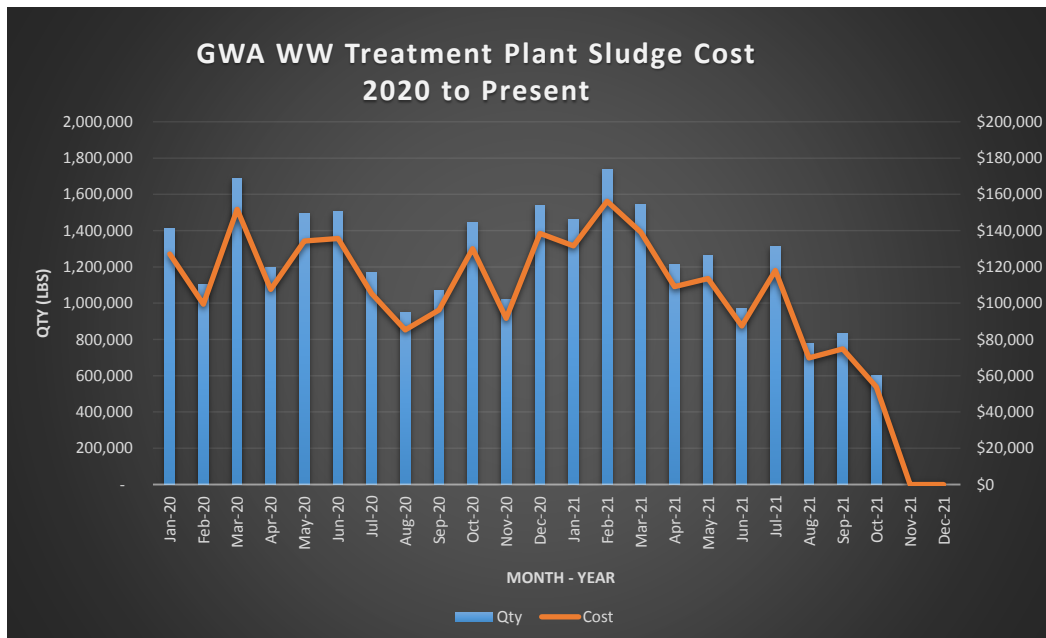
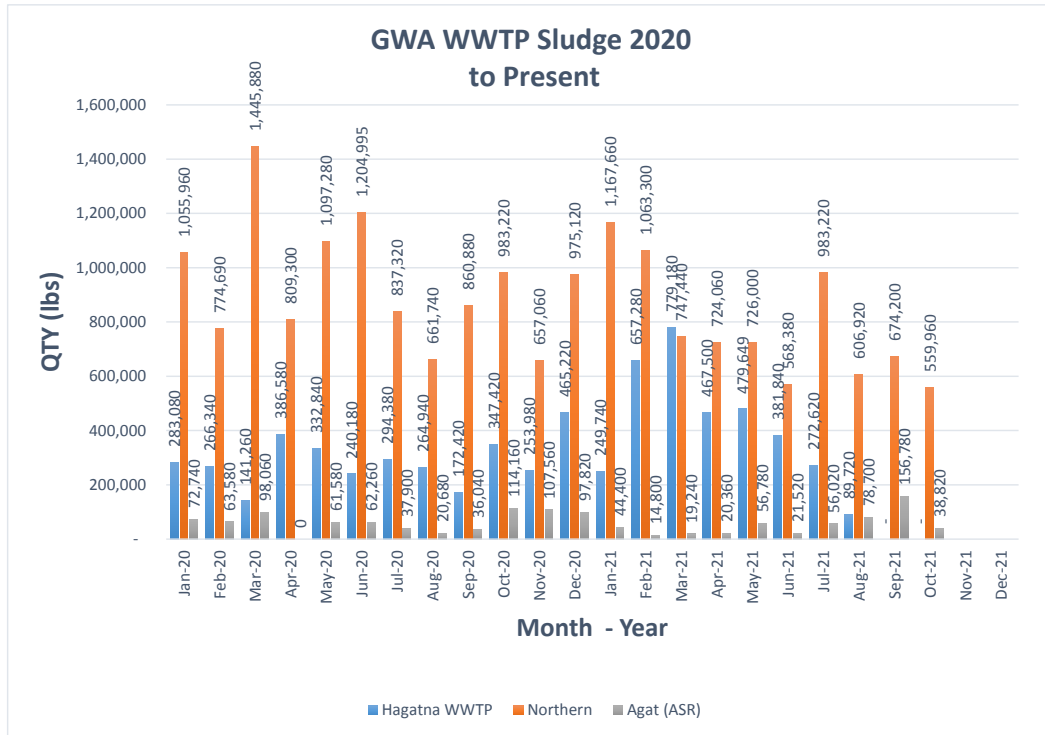
2021	Hagatna	Northern	ASR	Umatac	Inarajan
Jan-21	4.58	4.20	1.23	0.39	0.07
Feb-21	4.31	4.38	1.16	0.25	0.06
Mar-21	4.26	4.24	1.10	0.27	0.08
Apr-21	4.39	4.61	1.23	0.23	0.07
May-21	4.65	4.00	1.05	0.22	0.07
Jun-21	4.40	4.20	1.12	0.21	0.07
Jul-21	4.46	4.67	1.63	0.33	0.08
Aug-21	5.06	5.10	2.39	0.78	0.16
Sep-21	4.78	4.66	2.44	0.78	0.17
Oct-21	6.00	4.85	3.75	1.13	0.31
Nov-21					
Dec-21					
2021 Average MGD	4.69	4.49	1.71	0.46	0.11
2021 Total MGY	1,711	1,639	624	168	42




GWA Work Session - November 16, 2021 - GM REPORT

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

	Hagatna WWTP		Northern		Agat (ASR)		Hagatna + Northern + Agat	
2021	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Month- Yr	lbs	\$	lbs	\$	lbs	\$	lbs	\$
Jan-21	249,740	\$22,477	1,167,660	\$105,089	44,400	\$3,996	1,461,800	\$131,562
Feb-21	657,280	\$59,155	1,063,300	\$95,697	14,800	\$1,332	1,735,380	\$156,184
Mar-21	779,180	\$70,126	747,440	\$67,270	19,240	\$1,732	1,545,860	\$139,127
Apr-21	467,500	\$42,075	724,060	\$65,165	20,360	\$1,832	1,211,920	\$109,073
May-21	479,649	\$43,168	726,000	\$65,340	56,780	\$5,110	1,262,429	\$113,619
Jun-21	381,840	\$34,366	568,380	\$51,154	21,520	\$1,937	971,740	\$87,457
Jul-21	272,620	\$24,536	983,220	\$88,490	56,020	\$5,042	1,311,860	\$118,067
Aug-21	89,720	\$8,075	606,920	\$54,623	78,700	\$7,083	775,340	\$69,781
Sep-21	-	\$0	674,200	\$60,678	156,780	\$14,110	830,980	\$74,788
Oct-21	-	\$0	559,960	\$50,396	38,820	\$3,494	598,780	\$53,890
Nov-21		\$0		\$0		\$0	-	\$0
Dec-21		\$0		\$0		\$0	-	\$0
Grand Total	3,377,529	\$303,978	7,821,140	\$703,903	507,420	\$45,668	11,706,089	\$1,053,548



GWA Work Session - November 16, 2021 - GM REPORT

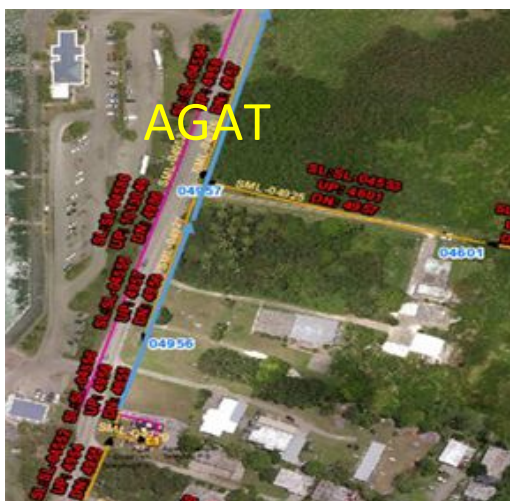
Guam Waterworks Authority				Date: 11/9/2021		<div></div> <div>WASTEWATER FACILITIES REPORT</div>							
REVIEWS													
TOTAL PUMPS INSTALLED	171	OVERALL AVERAGE		89%									
TOTAL PUMPS OPERATIONAL	152	% OF OPERATING PUMPS		89%									
TOTAL PUMP STATIONS	77												
Northern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL,STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	SOUTHERN LINK	1	4	3	75%	GPA	A	P#4: Needs Sensor @ Guam Motor		VFD#4: Awaiting Repairs		Pending new pumps which are part of the Northern Treatment Plant upgrades	
2	FUJITA	1	4	3	75%	GPA	A	P#2 was removed 10-29-20 due to bearings issues. Pump at vendor pending repairs.				vendor is pending order for mechanical seal.	
3	YPAO	1	2	2	100%	GPA	A						
4	PASEO DE ORO	1	2	1	50%	GPA	A	pump#1 removed and dropped to vendor for repairs due to defective mechanical seal as per electrician.	WO 1133294				PO500216
5	HARMON	2	2	1	50%	GPA	A	pump #2 was removed and dropped to vendor for repairs due to burnt motor	WO 1111348				PO 500238
6	ROUTE 16	1	4	3	75%	GPA	M	P#3 secured due to damaged wear plate and defective check valve.					OR 50082 check valve OR 50487 wear plate
7	LATTE DOUBLE TROUBLE	1	2	2	100%	GPA	A						
8	LATTE SUN RISE	2	2	2	100%	GPA	A						
9	LATTE SUBMARINE	2	2	2	100%	GPA	A						
10	LATTE PLANTATION	2	2	2	100%	GPA	A						
11	PGD	2	2	2	100%	GPA	A						
12	MACHECHE	2	2	1	50%	GPA	A	Pump #1 was removed due to bearing issue	WO 1240813				OR 51377
13	HAFA ADAI	2	2	1	50%	GPA	A	P2 removed due to water in the pump.	WO 1133763				PO 500312
14	YPAOPAO	1	3	2	67%	GPA	N/A	9-2-21, Pump #3 was removed due to pump was grounded.	WO 1228469				OR 51380
15	PACIFIC LATTE	2	2	2	100%	GPA	A						
16	YIGO	1	3	3	100%	GPA	A	Pump #3 on standby. No data plate to confirm FLA.					
17	ZERO DOWN	2	2	2	100%	GPA	A						
18	SANTA ANA	2	2	2	100%	GPA	A						
19	MACHANAONAO	1	2	2	100%	GPA	N/A						
20	FEMA 96	2	2	2	100%	GPA	A						
21	ASTUMBO 1	2	2	2	100%	GPA	A						
22	ASTUMBO 2	2	2	2	100%	GPA	A						
Total	22		52	44	85%								

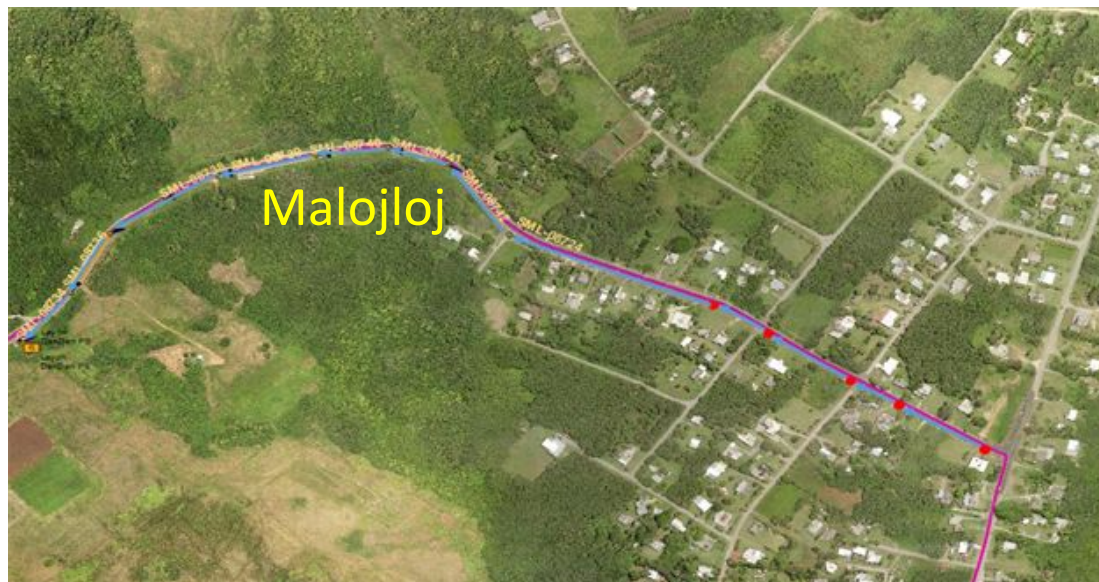
GWA Work Session - November 16, 2021 - GM REPORT

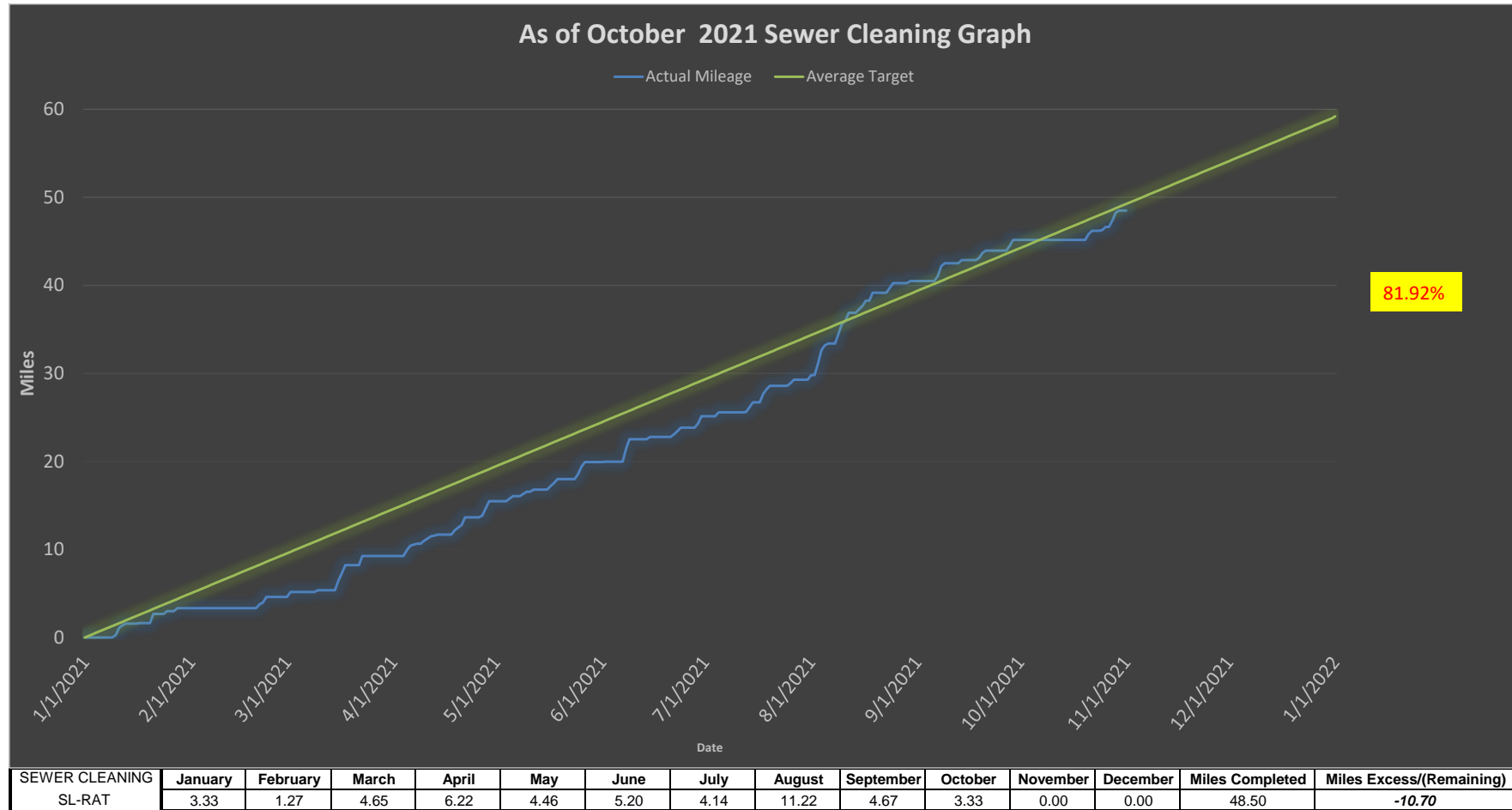
Central District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/ AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	CABRAS ISLAND	1	2	2	100%	Portable	M						
2	COMMERCIAL PORT	1	3	3	100%	OP	A	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	2	67%	OP	A	Pump #1 was removed due to water was found in pothead. Motor needs to be rebaked and seals need to be changed out.	WO #1240795				OR 51375
7	ORDOT	2	2	2	100%	OP	A						
8	DERO	1	2	2	100%	OP	A						
9	CHALAN PAGO #5	2	2	2	100%	OP	A						
10	CHALAN PAGO #3	2	2	2	100%	OP	A						
11	FLORA GARDENS	2	2	2	100%	INOP	A						
12	DOUBLE SHAFT	1	3	2	67%	OP	A	Pump 2 removed due to impeller broke/Shaft worn				Bid was awarded to JMI. ETA date 4/1/22	
13	NAMU	2	1	1	100%	OP	A						
14	TAI MANGILAO	1	3	3	100%	GPA	A						
15	MANGILAO	1	2	2	100%	GPA	A			Sump pump burnt and the breaker is damaged			
16	FIDIAN	2	2	2	100%	GPA	A	Pump #1 is secured due to oring on duct foot keeps coming out.					
17	LEYANG	2	2	1	50%	OP	A	Pump #2 was removed due to seal failure.	WO 1240816				OR 51378
18	SAGAN BONITA 1	2	2	2	100%	OP	A						
19	SAGAN BONITA 2	2	2	2	100%	OP	A						
20	DAIRY	1	2	2	100%	INOP	A						
21	BARRIGADA	1	2	2	100%	GPA	A	Pump #1 has bearing issue. Pump is still online until PO is released.					PO500339
22	TOTO GARDENS	2	2	2	100%	INOP	A						
23	MONGMONG	2	2	2	100%	OP	A						
24	CASIMERU	2	2	2	100%	Portable	A			GPA RELOCATED GENERATOR			
25	MAITE	2	2	1	50%	GPA	A	Compressor # 2 leaking removed by maint. Pending installation of new compressor.	WO 1233984				
26	BAYSIDE	2	1	1	100%	INOP	A						
27	ALUPANG	1	2	2	100%	OP	A						
28	MAMAJANAO	1	3	3	100%	OP	A						
29	Agana Main	1	4	3	75%	OP	A	P4 is on Line # 2 /awaiting line 4 riser to be cleaned					
Total	29		63	58	92%								

GWA Work Session - November 16, 2021 - GM REPORT

Southern District													
NO:	FACILITY	PRIORITY LISTED	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	GAAN #1	1	4	2	50%	OP	MAN	Pump#2 was removed and taken to vendor due to seal failure. Pump #4 was returned to vendor due to low megger and seal failure (pump is still under warranty). Pump #5 was removed and brought to vendor due to motor grounded.	#2- WO 1222521 #4 -WO 1133299 #5-WO 1222257	#2/#5 VFDs are defective due to burnt IGBT and power cards. Currently using VFD from ASRWWTP on #2.			P#4 (PO 500215) P#2 PO 500426 P#5 PO 500391 VFDs (OR 50790 pending OQ)
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	1	50%	OP	AUTO	Pump was removed for further inspection due to pump keeps tripping main breaker.					
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	pump #1 was removed due to cable issue. Pump also needs rewinding. New Pump was installed.	WO 1178582				OR 50782 pending OQ
10	INARAJAN LIFT	1	2	2	100%	OP	AUTO						
11	TALAFOFO	1	2	2	100%	OP	AUTO	1-17-20 Electricians determined that the sump pump is grounded and was recommended to be replaced. Entered work order into Lucy requesting maintenance to replace.	SUMP PUMP 20-01-073	6-6-19 Exhaust blower for wet well is defective and needs replacement. Requested for electricians to relocate the existing blower unit at the old Agat treatment plant wet well and install it at Talofofo.		OQ 37914 & 37915 was submitted for replacement of blower fans and ventilation duct.	Sump pumps OR 50370 (pending OQ)
12	PAGACHAO	2	2	2	100%	NONE	NA						
13	CHALIGAN	2	2	2	100%	OP	MAN			Requesting for electricians to make assessments to ventilation system to make it operational.	(Vent-19-12-0390)	12-23-19 Fred is working on getting a lift to be able to go to the roof top to make assessments on the motor.	Pending PO for lift for electricians to access roof top to inspect blower.
14	EJECTOR #2	2	2	2	100%	PORTABLE /INOP	NA						
15	EJECTOR #3	2	2	2	100%	PORTABLE /INOP	NA						
16	EJECTOR #4	2	2	2	100%	PORTABLE /INOP	NA						
17	EJECTOR #5	2	2	1	50%	PORTABLE/INOP	NA	11-13-20 Compressor #1 was removed and to be used at Ejector 7 for compressor #1. Compressor was installed but pending motor installation.					
18	EJECTOR #6	2	2	2	100%	PORTABLE/INOP	NA						
19	EJECTOR #7	2	2	1	50%	PORTABLE/INOP	NA	Compressor #2 needs to be replaced.					
20	NORTH REYES	2	2	2	100%	PORTABLE/INOP	NA						
21	LEYON #3 (DanDan)	2	2	2	100%	OP	MAN						
22	LEYON #4	2	2	2	100%	OP	AUTO						
23	MTL PUMP STATION	2	1	1	100%	PORTABLE/INOP	NA						
24	Baza P/S	1	3	3	100%	OP	AUTO						
25	Windward Hills	1	3	2	67%	OP	AUTO	Pump #2 was removed due to impeller wont spin.					Pending OR
26	Aplacho	1	3	3	100%	OP	AUTO						
	26		56	50	89%								







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

59.2 miles x 5 years = 296 miles

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

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

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

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

Guam Waterworks Authority		Date: 11/5/2021	 GUAM WATERWORKS AUTHORITY WATER DISTRIBUTION FACILITIES REPORT
		Time:	
REVIEWS			
TOTAL PUMPS INSTALLED	55	OVERALL AVERAGE	92%
TOTAL PUMPS OPERATIONAL	51	% OF OPERATING PUMPS	93%
TOTAL BOOSTER PUMP STATIONS	27		

Northern District

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

Central District

NO.	FACILITY	PUMP HP	NO OF INSTALLED PUMPS	NO OF OPERATIONAL PUMPS	PUMP AVAILABILITY %	GENERATOR OPERATIONAL FAULT	ATS MANUAL/AUTO	PUMP UNIT REMARKS	WORK ORDER NO:	VALVES, ELECTRICAL, STRUCTURAL REMARKS	WORK ORDER NO:	ESTIMATED REPAIR DATE	UPDATES
1	Pago	150 / 100	3	2	67%	OP	A	Pump 3 shaft repaired. Pump 1 VFD showing ground fault.					
2	Brigade	60 / 20	3	3	100%	OP	A						
3					33%	OP	A	Pump 3 pending mechanical seals and rebuild kit. 11-5-21 delivery date not available. Pump 2 removed for warranty repairs.					
3	Windward Hills	200 / 75	3	1									
4	Santa Rita Spring	40	2	2	100%	OP	A						
5					100%	N/A							
5	Santa Ana (Lower)	25	1	1									
6	Camacho	1	1	1	100%	N/A							
7	Tenono	1.5	1	1	100%	N/A							
TOTAL=7			14	11	79%								
pump availability = no of operational pumps/no of pumps*100%													

Southern District

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



Guam Waterworks Authority
VEHICLE FLEET STATUS
11/5/2021

EQUIPMENT STATUS				
Description	Number of Equipment	Number of Equipment Available	Number of Equipment Not Available	Percentage
Backhoe (Leased)	3	3	0	100%
Dump Truck (Leased)	3	3	0	100%
Trailer (Leased)	3	3	0	100%
Backhoe	3	2	1	67%
Boom Truck	1	0	1	0%
Crane	1	1	0	100%
Dump Truck	1	0	1	0%
Forklift	5	3	2	60%
Fuel Tanker	1	1	0	100%
Heavy Duty	12	10	2	83%
Hoist Rig	1	1	0	100%
Jetter	1	1	0	100%
Light	144	106	38	74%
Mini Backhoe	4	2	2	50%
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	1	0	100%
Trailer	16	12	4	75%
Trencher	1	0	1	0%
Vacuum Truck	5	3	2	60%
Water Buffalo	2	2	0	100%
Water Tanker	6	4	2	67%
Compressor	1	1	0	100%
Total	224	164	60	

SUMMARY						
Operational	Operational w/Rprs Pending	Not in Operation-Accident (Docs Pending)	Not in Operation-Assessment Pending	Not in Operation-Repairs Pending	Not in Operation-Vendor Repairs	Recommend Survey
3	0	0	0	0	0	0
2	1	0	0	0	0	0
3	0	0	0	0	0	0
1	1	0	0	1	0	0
0	0	0	0	0	1	0
0	1	0	0	0	0	0
0	0	0	0	1	0	0
2	1	0	0	2	0	0
1	0	0	0	0	0	0
10	0	0	1	0	1	0
1	0	0	0	0	0	0
1	0	0	0	0	0	0
98	8	1	7	17	8	5
2	0	0	0	0	0	2
0	0	0	0	0	1	0
0	0	0	0	1	0	0
2	1	0	0	1	1	0
1	1	0	0	0	0	0
1	0	0	0	0	0	0
12	0	0	0	3	1	0
0	0	0	0	1	0	0
1	2	0	0	0	2	0
2	0	0	0	0	0	0
3	1	0	0	0	2	0
1	0	0	0	0	0	0
147	17	1	8	27	17	7



Engineering Monthly Report November 2021

Prepared By:

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

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

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
PW 05-01	Ground Water Disinfection	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-03	Santa Rita Springs Booster Pump Rehab Phase II	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-05	"A" Series Well Transmission Line	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-06	Water Booster Pump Station	\$ -	N/A	N/A	\$ 700,000.00	33.29%	66.71%
PW 05-07	Meter Replacement Program	\$ 1,400,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 05-08	Barriqada Tank Repair/Replacement	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-09	Leak Detection	\$ 100,000.00	0.00%	100.00%	\$ 400,000.00	0.00%	100.00%
PW 05-10	Potable Water System Planning	\$ 876,294.00	99.99%	0.01%	\$ 400,000.00	0.00%	100.00%
PW 05-11	Implement Ground Water Rule	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-12	Brigade II (Ugum Lift) BPS Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 05-13	Deep Well Rehabilitation	\$ 250,000.00	44.01%	55.99%	\$ 350,000.00	0.00%	100.00%
PW 05-14	New Deep Wells at Down Hard	\$ 1,190,000.00	0.00%	100.00%	\$ 500,000.00	0.00%	100.00%
PW 05-15	Rehabilitation of Asan Springs	\$ -	N/A	N/A	\$ 550,000.00	0.00%	100.00%
PW 05-16	Master Meters	\$ 2,151,539.00	90.70%	9.30%	\$ -	N/A	N/A
PW 09-01	Ugum Water Treatment Plant Intake	\$ -	N/A	N/A	\$ 600,000.00	0.00%	100.00%
PW 09-02	Water Wells	\$ 2,500,000.00	6.80%	93.20%	\$ 500,000.00	0.00%	100.00%
PW 09-03	Water Distribution System	\$ -	N/A	N/A	\$ 2,250,000.00	100.00%	0.00%
PW 09-04	Pressure Zone Realignment	\$ 1,141,000.00	98.81%	1.19%	\$ -	N/A	N/A
PW 09-06	Central Water Distribution System 2005	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-08	Mechanical/Electrical Equipment	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-09	Water Reservoir Internal/External	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 09-10	Water Reservoir Internal/External	\$ 800,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 09-11	Water System Reservoirs 2005 Improvements	\$ 58,830,170.00	97.73%	2.27%	\$ 25,900,000.00	0.00%	100.00%
PW 11-01	Distribution System Upgrades	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 11-02	Ugum Water Treatment Plant Reservoir	\$ -	N/A	N/A	\$ 7,500,000.00	0.00%	100.00%
PW 12-01	Water Audit Program & Water Loss Control Plan	\$ 550,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-02	Production Plan / Reduce Navy Purchases	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-03	Hydraulic Assessment of Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
PW 12-04	Agana Heights & Chaot Tanks	\$ 1,220,000.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-05	Tank Major Repair Yigo #1, Mangilao #2, Astumbo#1	\$ 1,822,133.00	100.00%	0.00%	\$ -	N/A	N/A
PW 12-06	Tank Replacement Piti & Hyundai	\$ 7,300,000.00	100.00%	0.00%	\$ 6,500,000.00	0.00%	100.00%
PW 12-07	Assessment of 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	12.79%	87.21%
MP-PW-Pipe-13	2-Inch Pipe Replacement Program				\$ 3,330,000.00	0.00%	100.00%
MP-PW-Pipe-14	Asbestos Cement Pipe Replacement Program				\$ -	N/A	N/A
MP-PW-Pipe-15	PRV Rehab and Replacement				\$ 2,050,000.00	0.00%	100.00%
MP-PW-Pipe-16	Valve Exercise, Repair, and Replacement Program				\$ 250,000.00	0.00%	100.00%
MP-PW-Pipe-17	Cross Island Highway Piping				\$ 100,000.00	0.00%	100.00%
MP-PW-Tank-22	Existing Tank Inspections				\$ 150,000.00	0.00%	100.00%
MP-PW-Tank-23	Recurring Tank Inspections				\$ 400,000.00	0.00%	100.00%
MP-PW-BPS-01	Rehabilitate and Replace BPSs				\$ 409,000.00	0.00%	100.00%
MP-PW-BPS-02	Nimitz Hill Upper BPS				\$ 48,000.00	0.00%	100.00%
MP-PW-BPS-03	Route 15 BPS				\$ -	N/A	N/A
MP-PW-SWTP-01	Ugum SWTP River Intake Cleaning Project				\$ 380,000.00	0.00%	100.00%
MP-PW-SWTP-02	Ugum SWTP Intake Modifications				\$ 1,174,000.00	0.00%	100.00%
MP-PW-SWTP-03	Ugum SWTP Reliability Improvements				\$ 1,150,000.00	22.84%	77.16%
MP-PW-SWTP-04	Ugum SWTP 7-Year Improvement Project				\$ -	N/A	N/A
MP-PW-Well-01	Well Rehabilitation Program				\$ 3,600,000.00	0.00%	100.00%
MP-PW-Well-02	Well Equipment Overhaul Program				\$ -	N/A	N/A
MP-PW-Well-03	Capacity Enhancement – Well Exploration Program				\$ 500,000.00	0.00%	100.00%
MP-PW-Well-04	Capacity Enhancement – Well Development and Construction				\$ -	N/A	N/A
MP-PW-Well-05	Wellhead Protection Program				\$ 300,000.00	0.00%	100.00%
MP-PW-Well-06	Well Repair Program				\$ 1,200,000.00	0.00%	100.00%
MP-PW-Misc-01	South Guam Water Supply Study				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-02	Master Meter Implementation and Ongoing Meter Replacement				\$ 750,000.00	0.00%	100.00%
MP-PW-Misc-03	Hydrant Condition Assessment and Maintenance				\$ -	N/A	N/A
MP-PW-Misc-04	OneGuam Program				\$ 100,000.00	0.00%	100.00%
MP-PW-Misc-05	Leak Detection Assistance				\$ 150,000.00	0.00%	100.00%
DoD-3	Rehabilitation and New NGLA Monitoring Wells				\$ -	N/A	N/A
		\$ 81,331,136.00			\$ 66,291,000.00		

Wastewater

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
WW 05-04	Wastewater System Planning	\$ 312,983.00	100.00%	0.00%	\$ 150,000.00	56.32%	43.68%
WW 05-05	Wastewater Vehicles	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 05-07	NDWWTP - Chlorine Tanks	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-01	Lift station upgrades	\$ 1,714,755.00	73.56%	26.44%	\$ 1,050,000.00	9.21%	90.79%
WW 09-06	Wastewater Collection System Repl/ Rehabilitation	\$ 1,055,478.00	60.53%	39.47%	\$ 1,400,000.00	0.00%	100.00%
WW 09-08	Facilities Plan/Design for Baza Gardens WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 09-10	Facilities Plan/Design for Agat-Santa Rita WWTP	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 11-03	Baza Gardens STP Replacement	\$ 25,048,522.50	90.16%	9.84%	\$ -	N/A	N/A
WW 11-04	Facilities Plan/Design for Umatac-Merizo WWTP	\$ 252,105.00	100.00%	0.00%	\$ -	N/A	N/A
WW 11-08	Agat/Santa Rita STP Replacement	\$ 2,226,659.06	89.93%	10.07%	\$ -	N/A	N/A
WW 12-01	Northern District WWTP Primary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-02	Biosolids Management Plan	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-03	Agana WWTP Interim Measures	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-04	I&I SSES Southern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-05	I&I SSES Central	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-06	I&I SSES Northern	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12 -07	Umatac Merizo Replacement	\$ 20,952,871.63	99.89%	0.11%	\$ -	N/A	N/A
WW 12-08	Wastewater System GIS & Mapping	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-09	Wastewater Facility Back Up Power	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 12-10	Wastewater System Asset Inventory	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-01	Wastewater Sewer System Expansion	\$ -	N/A	N/A	\$ -	N/A	N/A
WW 17-02	Northern District WWTP Secondary Treatment Upgrade	\$ -	N/A	N/A	\$ -	N/A	N/A
MP-WW-Pipe-01	Gravity Pipe Rehabilitation/Replacement Program				\$ 1,970,000.00	0.00%	100.00%
MP-WW-Pipe-02	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	53.75%	46.25%
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	77.51%	22.49%	\$ -	N/A	N/A
MP-Gen-EE-01	SCADA Implementation Phase A2 – Initial Project Completion				\$ 4,250,000.00	0.00%	100.00%
MP-Gen-EE-02	SCADA Implementation Phase B – Additional Sites				\$ -	N/A	N/A
MP-Gen-EE-03	SCADA Implementation Phase C – Additional Instruments				\$ -	N/A	N/A
MP-Gen-EE-04	SCADA System Improvement Program				\$ -	N/A	N/A
		\$ 5,455,615.00			\$ 4,570,000.00		

Miscellaneous Engineering Support

CIP #	CIP Description	2016 Bond Allotment	% Encumbered	% Available	2020 Bond Allotment	% Encumbered	% Available
MC 05-01	Laboratory Modernization	\$ 1,127,000.00	100.00%	0.00%	\$ -	N/A	N/A
MC 05-02	Land Survey	\$ 1,260,524.00	98.82%	1.18%	\$ -	N/A	N/A
MC 09-01	General Plant Improvements	\$ 1,543,760.00	77.39%	22.61%	\$ -	N/A	N/A
MC 15-01	Information Technology Intergration Improvements	\$ 664,412.00	78.85%	21.15%	\$ -	N/A	N/A
MP-Gen-Misc-01	GWA Systems Planning				\$ 550,000.00	30.22%	69.78%
MP-Gen-Misc-02A	WRMP Update (Comprehensive Update)				\$ -	N/A	N/A
MP-Gen-Misc-02B	WRMP Update (Interim Update)				\$ 200,000.00	0.00%	100.00%
MP-Gen-Misc-03	Surveying and Property Delineation				\$ 250,000.00	0.00%	100.00%
MP-Gen-Misc-04	Information Technology Improvements				\$ 1,650,000.00	88.47%	11.53%
MP-Gen-Misc-05	GWA Infrastructure Improvements				\$ 2,500,000.00	4.59%	95.41%
MP-Gen-Misc-06	GPWA Fleet Maintenance Facility				\$ 500,000.00	0.00%	100.00%
MP-Gen-Misc-07	Mobile Equipment Replacement Program				\$ 800,000.00	0.00%	100.00%
MP-Gen-Misc-08	General Plant Improvements				\$ 1,000,000.00	0.00%	100.00%
MP-Gen-Misc-09	Security and Resilience Program				\$ 200,000.00	0.00%	100.00%
		\$ 4,595,696.00			\$ 7,650,000.00		

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

Bond Fund	Construction Fund Amount (\$M)	Estimated # of months fund available for use	Total Funds encumbered to date (\$M)**	% of fund used	Rate of Spending: (\$M) per year
2005	\$82.930	82 *	\$82.930	100.00%	12.14
2010	\$87.656	129 **	\$84.418	96.31%	7.85
2013	\$140.819	91 **	\$137.097	97.36%	18.08
2016	\$142.946	61 **	\$132.285	92.54%	26.02
2020	\$123.590	16 **	\$8.955	7.25%	6.72

* End date November 2013 via CCU Resolution 06-FY2014

** Includes month October 2021

*** Includes Expenses Only

B. Projects Procurement**Percentage Key:**

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

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

BOX KEY FOR PROCUREMENT:

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

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

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

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

BID PACKAGE USEPA-SRF	Groundwater Wells A-02, A-07, A-12, D-05 and F-03 Rehabilitation (Re-Bid)	
70% Complete	Activities/Notes: Project was advertised for construction on 08/04/2020. The bid proposal deadline has been extended and is due on 10/15/2020 per Addendum no.2. Designer submitted revisions to the plans and specification and will be included in an Addendum no.3 after GWA reviews. As of 10/15/2020 - No bids were submitted. GWA is conducting feedback with registered bidders to determine cause for no bid submission. Pending responses for no bid. EPA funding for A-series project has been transferred to Rte. 1, Phase 2 Sewer: Construction, Deepwell Abandonment: Design, Santa Rita Springs Rehab: Design, and Water Hydraulic Model (Pressure Zone Realignment): Construction.	

Project Description:	Work to be performed under this project consist of rehabilitating four (4) existing production well sites including development, testing and permitting of a new production well.
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BID PACKAGE EE 09-02, EE 09-05 MP-PW-WELL-06	Deep Well Power Line Conditioner Pilot Project	
<50% Complete	Activities/Notes: Project Engineer submitted a draft of the design-build bid. Pending Supervisor review.	
Project Description:	The project is a pilot project to install and evaluate the effectiveness of a power line conditioner for providing "clean" incoming power for a GWA deep well. Evaluation includes transient and surge protection and suppression, under/over voltage correction and protection, phase imbalance correction and protection, and capital and operation costs/savings.	

BOX KEY FOR PROJECT:

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

C. CIP Water Section

INSPECTION PW 05-02	Inspection & Maintenance Repairs to GWA Island-Wide Steel Water Tank Reservoirs Phase 2 (DCA)	Start Date: April 2010
89% Complete	Activities/Notes: Remaining work is API inspection, API report, structural inspection, tank bypass planning, and partial construction for the repair work. ID/IQ contract approved on 03/03/2021. 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. Continuing review of submittal, RFIs, and project payments. Conducting meetings. Astumbo no. 2 tank wall will be re-inspected due to active corrosion. Tank was reinspected the week of 08/30. Inspection report will be submitted the week of the 09/06. DCA submitted a CCR to AIC to price additional repairs – replacement of tank shell walls.	Completion Date: To be determined (TBD)
CO 38C	Engineering inspection services	
Project Description:	The Court Order requires GWA to inspect all active and in some cases inactive water reservoirs. The inspection results will allow GWA to determine if a reservoir requires repair or replacement.	

DESIGN PW 05-12	Brigade II BPS Upgrade (EM Chen)	Start Date: April 2012
100% Complete (Basis of Design) 99% Complete (Design)	Activities/Notes: Design specifications submitted for review on 09/29/2021. Updated design drawings are still pending. Last follow up sent to Alan Chen on 09/29.	Completion Date: TBD
N/A	Engineering design services	
Project Description:	The design project is intended to assess system water supply feed from the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and resize the pumps to me system head requirements.	

DESIGN 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. Resolution to increase project amount to fund Change Order no. 6 shall be submitted for approval in November's CCU meeting. 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. CO no. 6 for Instrumentation building under review. CO no. 7 has been submitted by the EOR to redesign CIDH to pre-cast piles. GWA does not believe that we should be paying for the redesign. The contractor is unable to secure the drilling subcontractor MDI (hollow stem auger) due to the delay in permit issuance. Furthermore, a revised plan to use a different drill rig (conventional flight auger) was submitted to EOR for review and approval. EOR approved the plan in 03/2021; however, the Geotech engineer under the EOR stated in 09/2021 that the conventional flight auger will not work. Ongoing discussions with the EOR, Contractor, CM, and GWA on potential options to move forward. MDI is not available until 02/2022. Contractor is currently in talks with another subcontractor (APDI) on their drill rig availability. From initial talks, their rig is available but they would have to order a larger auger bit. Contractor is in active discussions	Completion Date: Completion will be in line with construction completion.

	<p>with APDI. We are also waiting on the EOR to answer design issues questions such a depth of CIDH piles and hole size.</p> <p>GWA and TGE are working on the SCADA modification plans and specifications to integrate new tank and processes.</p> <p>Designer is having issues scheduling the Archaeologist to prepare AMDP for submission to SHPO.</p> <p><u>Inarajan and Agfayan Booster Pump Station</u> Biological Assessment and Archaeological report are pending.</p> <p>TGE proceeding with design at both sites. Letter of interest/purchase to DLM/CLTC for Lot 28 is in process. Waiting for CLTC to inform GWA on their choice of appraisal company.</p> <p>DLM/CLTC notified GWA that they would like in-kind services rather than direct payment for the property. GWA to prepare response back to DLM/CLTC. DLM/CLTC has not responded with their choice of appraisal company.</p> <p>No substantial updates from TGE regarding the archaeological report.</p> <p><u>Santa Rosa, Santa Rita, and Sinifa Reservoir</u> Under construction. See Santa Rosa, Santa Rita, and Sinifa Construction for update.</p> <p>Santa Rita Tank: The Contractor is preparing a package for submittal to GWA/GHD to perform pre cast piles in lieu CIDH. The cost for the foundation redesign shall be the responsibility of the Contractor. It is GWA's stance that any changes to the foundation, which may include additional piles, shall be borne by the Contractor.</p> <p>GWA and GHD is reviewing CCR package for pile foundation.</p> <p>Driveway and adjacent driveway to the reservoir collapsed. Waterline, electrical, and storm drain work has stopped on the driveway. GWA, TGE, and GHD are currently assessing the damage and potential solutions. The driveway is partially owned by GWA and DPW. The adjacent driveway is owned by DPW.</p>	
CO 29 (b)(4)	Engineering design services	

Project Description:	The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Ugum, Santa Rita, Santa Rosa, Inarajan and Sinifa.
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DESIGN PW 12-04	Central Guam Reservoirs Design (GHD Inc.)	Start Date: May 2015
93% Complete	<p>Activities/Notes:</p> <p><u>Tamuning No. 2 Reservoir and Tamuning Booster Pump Station</u> 90% design submitted. Plans are under review by GWA.</p> <p>Per Bobbie, property acquisition letter for Lot 1, Block 5, Tract 1427 has been signed by GM. Property purchase is underway.</p> <p>Parceling map is being prepared.</p> <p>Archaeological survey is pending archaeologist schedule. Biological survey completed. GHD was able to get a hold of John Mark Joseph of SHPO. The archaeologist will begin preparing of the AMDP for submittal to SHPO.</p> <p>Designer is having issues with contacting the sub to perform the archaeological survey.</p> <p>Need approval from GIAA/GEPA for GWA to abandon monitoring well.</p> <p>No update from GEPA. GWA will include a separate bid item for the abandonment of the monitoring well. Once the cost has been received, the cost will be charged to GIAA via existing agreements.</p> <p><u>Manenggon Reservoir and Access Booster Pump Station</u> 100% design revision submitted. Plans is under review by GWA. Electrical/instrumentation review complete.</p> <p>Biological Assessment report completed. Archaeological report will need to be expanded. Pending archaeologist schedule for additional site visits. GHD/SEARCH is coordinating with SHPO on what will be required. Historical</p>	<p>Completion Date: Completion will be in line with construction completion.</p>

	<p>artifacts found at the adjacent lot. Response received from DPR/SHPO. Designer is attempting to contact archaeologist to finish work plan. Archaeologist has been unresponsive.</p> <p><u>Piti Reservoir</u> DCA and GHD are working to put the bid package together. DCA has already completed the major steel tank repair plan and specifications. GHD is working on site utility plan and specifications.</p> <p>GWA has not submitted the Right of Way application to National Parks Services yet. GWA has received the final Dept. of Agriculture consultation response letter. Biological Assessment report has been completed. Archaeological report needs to be completed before ROW application can be submitted.</p> <p>Waiting on National Park Service to allow Archaeologist to go onsite to perform survey. GWA did a follow up on this request. National Park Service sent the request to their national office for review and approval. GWA is following up with NPS on request to enter site to conduct archaeological survey.</p> <p>GWA has been following up with NPS on response to enter property to conduct archaeological survey.</p> <p><u>A23-A25 Deepwell (PFAS Treatment)</u> A23 and A25 MOU signed by DPW and GWA.</p> <p>100% plans and specifications have been submitted to GWA. Planning/Grants is following up with US Army Corp of Engineers for their review and comment. GWA is preparing bid documents concurrently.</p> <p>Grants Section still needs approval from Army Corp before USDOL can issue the grant award and conditions. Grants Section is actively working with Army Corp for clearance.</p> <p><u>Tumon No. 1, Hyundai, Chaot No. 2 Reservoir</u> Under construction. See Tumon no. 1, Hyundai, Chaot no. 2 Reservoir Construction for update.</p>	
CO 29 (b)(4)	Engineering design services	

Project Description:	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.
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DESIGN PW 05-15	Asan Springs Rehabilitation Design (HDR)	Start Date: August 24, 2016
82% Complete	<p>Activities/Notes:</p> <p>HDR submitted a letter to NPS to coordinate the archaeological survey requirements with SHPO. HDR submitted SHPO Letter to NPS for review on 05/29/2021; first comments 07/01, submitted revised SHPO letter 07/12, additional comments 08/09, and submitted final revision 09/15; NPS (Tim Clark) to submitted to SHPO 10/20, now awaiting SHPO response.</p> <p>Biological survey permit from NPS issued on 01/22/2021, and completed on 02/10 at Asan Springs. Preliminary findings from HDR led to the discovery of snails around the project site. Draft of biological survey has been submitted to NPS for review as of 03/29. NPS comments received on 06/04. Final report to NPS sent on 06/12. Had meeting with USFWS, DOAG, NPS and GWA to discuss 10/22; HDR working with NPS on developing Biological Assessment request (pending template from USFWS) and Public scoping document draft. Affects Section 106 Letter.</p> <p>Environmental Consultation request sent to DOAG and GEPA on 03/15/2021 by Designer. Sent GWA signed follow-up letter to DOAG and GEPA on 06/22. DOAG responded on 07/01, but letter did not reach GWA Engineering until 08/04. GEPA responded on 08/11. Designer reviewing now and will respond accordingly.</p>	Completion Date: June 2022
	Engineering design services	

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

CONSTRUCTION MANAGEMENT PW 09-11, PW 12-05	Yigo/Astumbo Tank Construction Management (GHD)	Start Date: December 2016
100% complete	Activities/Notes: Working to complete project close out requirements. To date, GWA has not received close out documents from the CM. CM is working on putting close out package to submit to GWA. Once close out package has been submitted to GWA, the final payment will be processed. Final payment made to CM. Close out documents received.	Completion Date: August 2019
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the demolition of existing steel elevate and ground tanks as well as the construction of the 2MG concrete tanks at the Yigo tank location and Astumbo tank location. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	
CONSTRUCTION MANAGEMENT PW 12-04, PW 12-06 AND PW 09-11	Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction Management (TG Engineers, PC)	Start Date: December 2017
95% complete	Activities/Notes: As of 01/01/2021, GWA Water CIP Engineering will take over CM duties for remaining work. CM will be onboard for limited services – Eadoc project software management and conducting meetings/meeting minutes. GWA has provided comments back to TGE for CO no. 2. Awaiting TGE's revised proposal.	Completion Date: December 2021
N/A	Construction Management services	
Project Description:	The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally.	
CONSTRUCTION PW 12-04, PW 12-06 AND PW 09-11	Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction (AIC)	Start Date: February 8, 2018
91.2% Complete	Activities/Notes: <u>Tumon No. 1</u> Tumon no. 1 online – 08/20/2020.	Completion Date: TBD (Completion date has passed. Pending

	<p>Working on St. John's PRV. Final outage completed on 09/02/2021. Work remaining is pavement restoration. Pavement restored.</p> <p>Permit received for Pale San Vitores work.</p> <p><u>Barrigada Heights No. 1 (Hyundai)</u> Barrigada Heights no. 1 online – 10/09/2020. Booster pump skid arrived. Contractor is actively working on installing the pump skid and associated equipment.</p> <p>Temporary piping installed at the Hyundai tank. Pressure testing completed. Working with Contractor and GWA Operations to put portion of line into service.</p> <p>GWA Engineering has inspected the installed pump system. Contractor to rectify issues identified during inspection. Contractor to submit a commissioning plan.</p> <p>Fuel tank lines have been delayed due to material and shipping shortages. ETA is December.</p> <p>Working on design plan to permanently use the Steel Temp Tank. Additional funding will need to be identified for the work.</p> <p><u>Barrigada</u> Contractor working on electrical for booster and PRSV station.</p> <p>Incoming power is unbalanced. GWA to follow up with GPA if the issue has been rectified.</p> <p><u>Chaot No. 2</u> Chaot No. 2 tank online – 09/02/2020.</p> <p>Contractor working on A-series well, Dero Rd connection to Leo Palace line, chlorination system improvements and miscellaneous improvements.</p> <p>Tank distribution and Leo Palace line has been completed.</p> <p>Two more outages are needed to complete line work on main roads. Awaiting GWA operations to inform Engineering on outage schedule. Two remaining outages are for Route no. 4 valve changeout and disconnection of wells at Spring Lane.</p> <p><u>Barrigada No. 2</u></p>	time extension for permit delays.)
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	DN Tanks completed internal repairs.	
	Negotiating scope and cost with Contractor to repair internal pipe coating.	
	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally.	

<u>CONSTRUCTION MANAGEMENT</u> PW 09-11	Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD)	Start Date: April 2018
Completion: Santa Rita - 42% Santa Rosa - 45% Sinifa - 21%	Activities/Notes: 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
10.8% Complete (based on Contractor's latest invoice as of May 2021)	<p>Activities/Notes:</p> <p>Santa Rosa: New tank foundation, retaining wall, vault, site piping, detention basin, and site piping work are ongoing.</p> <p>Tank wall nos. 1, 2, 3, and 4 have been poured. Proceeding with wall no. 2. Vault, pipe, and other site work ongoing.</p> <p>Contractor has submitted CCR for the booster pump station changes. Under evaluation.</p> <p>Santa Rita: New tank foundation preparation, pile rebar cage, detention basin, vault, and site piping are ongoing.</p> <p>Contractor drilled the first pile hole. Hole experienced partial collapse at 20'. Full drill depth is 40'. Per the geotechnical engineer, the current auger machine will not work with these soil conditions. A hollow stem auger is needed. Marianas Drilling who owns a hollow stem auger is not available until January 2022.</p> <p>Contractor is preparing package and work plan to install pre cast piles in lieu of CIDH (cast-in-place drilled holes). See update on design section.</p> <p>Upper roadway to NPS property is collapsing. This may be due to heavy rainfall and excavation of new water line downhill. Design/CM team to evaluate the issue and prepare solution for contractor to execute.</p> <p>Sinifa: New tank foundation preparation and retaining wall work ongoing.</p> <p>DN Tanks have mobilized on site to prepare rebar for the tank foundation. Vault, pipe, retaining wall work ongoing.</p>	<p>Completion Date:</p> <p>Santa Rosa Final Completion – February 13, 2022</p> <p>Santa Rita Final Completion – March 15, 2022</p> <p>Sinifa Final Completion – January 14, 2022</p>
	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)
54.2% Complete	<p>Activities/Notes: Construction work active at Kaiser, Carnation, Ysengsong, Clara, Terao, and Okkodo PRV sites. Construction meetings are ongoing.</p> <p>Clara: Outage for Clara PRV line connection delayed. Outage will be rescheduled after Ops completes field investigation to secure the necessary lines. Onsite work for electrical installation, backfilling near vaults, etc still ongoing. Aiming to schedule outage for week of 11/15.</p> <p>Kaiser: Outages for the reservoir inlet and new 14" to existing 16" line connection completed. Outage for reservoir outlet pending. Onsite work for electrical installation, pipe installation, painting, etc still ongoing.</p> <p>Carnation: Onsite electrical work for PRV 15, 11, and 76, and control room, etc still ongoing.</p> <p>Ysengsong: Road re-opened 10/25.</p> <p>Okkodo: preparing for PRV 30 outage. Original outage for PRV connection was delayed due to the ongoing investigations at Clara.</p> <p>Terao: concrete pour 10/26 for base of PRV.</p> <p>Maimai: Excavation started for PRV vault.</p> <p>SMCC payment no. 6 processed.</p>	Completion Date: January 2022
N/A	Construction Services	
Project Description:	The work performed under this project procurement shall consist of Construction Services for the installation of control valves (PRVs, PRSVs), piping, and related electrical upgrades to properly control and measure system flow between zones.	

DESIGN PW 05-12	Pressure Zone Realignment and Tank Repair-Replacement (GHD)	Start Date: August 2018
<p>Design will be done in Phases.</p> <p>Phase I - 100% (Design)</p> <p>Phase II - 90% (Design)</p>	<p>Activities/Notes: Designer submitted Phase II 60% plans on 08/04/2020 and reviewed by Water CIP Engineering team on 08/11/2020.</p> <p>Engineering, Operations and designers performed several site visits and investigations for Phase II and III. Resolution for CO no. 3 on</p>	Completion Date:

Phase III - 30%	Design services for Nimitz Hill Waterline Replacement and Phase II CM services is in the works approved 02/29/2021. CO no. 3 signed by GHD on 03/25/2021 and is with Accounting for processing.	
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.	

<u>DESIGN, CONSTRUCTION, CONSTRUCTION MANAGEMENT</u> PW 09-11	Tank Repair and Bypass (DCA, AIC, GWA)	Start Date: May 1, 2020
31% Complete	<p>Activities/Notes: Construction contract effective 04/21/2020. NTP issued 05/01/2020 with modified language for work starting onsite.</p> <p>Agat-Umatac interior metal repair completed. Anchor bolts installed. Interior sandblasting for recoating is underway. Lead paint abatement underway for portions of tank exterior.</p> <p>Contractor has completed coating of Yigo no. 3 tank exterior. Interior coating is underway. Roof purlin repair completed. Internal sandblasting and recoating are ongoing.</p> <p>Astumbo no. 1 delayed due to presence of lead paint. Change order approved for lead abatement at tank. Scheduling Island Certs to perform further API inspection on tank wall which has active corrosion. Inspection completed. Report to be turned in 09/2021, week of 09/06.</p> <p>Wall plate replacement will be required. CCR has been sent to contractor to price work.</p> <p>Metal plate may be used to repair Windward Hills tank, which is more crucial than Astumbo.</p> <p>Repairs ongoing.</p> <p>Santa Ana bypass work is ongoing. Check valve issue has been rectified. Contractor proceeding with electrical work at the Santa Ana bps. Bypass may be tested without contractor's completion of the bypass.</p>	Completion Date: TBD (Dependent on repairs required after inspection)

	<p>Contractor's electrical work submittal needs to be resubmitted.</p> <p>Ladda PSRV installed.</p> <p>Pigua PSRV installed.</p> <p>Malojloj bypass work ongoing. Valving will need to be adjusted due to shallow pipes encountered. GWA is currently trying to find valves to be able to secure the lines for the outage. Valves are buried.</p> <p>Gues and Togan bypass work is underway with submittals. Geus building demolished. Booster pump skids arrived. Contractor to begin work.</p>	
Project Description:	The work to be performed under this project consist of installing by-pass piping, valves, etc. ahead of certain tank inspection work. The operation of the by-pass will allow the tank inspector to determine appropriate repairs after which the contractor will proceed to repair the tank.	

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

CONSTRUCTION PW 14-01	Fire Hydrant Replacement Phase I (Mega United Corporation, Ltd.)	Start Date: October 19, 2019
59% Complete	Activities/Notes: Out of 42 FH in Dededo, Mega United completed the replacement of 40 FH with 2 existing FH which needs valve replacement. Contractor moved to Yona and completed 2 FH replacement, 1 existing FH found with broken valves.	Completion Date: April 23, 2022

Project Description:	The work performed under this project consist of replacing the dry barrel fire hydrants with wet barrel type fire hydrants. The replacement will involve removal of defective fire hydrant laterals, gate valves, hydrant stem and barrel and other appurtenances necessary to complete the project.
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CONSTRUCTION PW 05-07 98.26% Complete	Groundwater Well Production Meter Replacement Project (Giant Construction) Activities/Notes: Contractor completed installation of above-ground discharge piping for deep wells: Y-23, Y-09, Y-17, Y-07, F-15, HGC-2, M-18, D-26, Y-20, F-18, Y-19, F-13, D-27, D-25, Y-12, Y-18, F-17, Y-14, Y-21A, Y-10, Y-22, A-13, EX-05, A-10, Y-15, H-01, D-01, AG-02, F-02, and F-04. To date, 30 deep wells were completed as required by the project scope. A 'Substantial Completion' inspection is schedule on 10/11/2021. A CO no. 4 was approved on 10/20/2021 extending the contract date to 01/14/2022 allowing enough time to process CO no. 5 that will add 15 more critical production wells listed in Additive Bid no. 1 to the existing contract. The request for CO no. 5 was approved by CCU on 10/26/2021 and by the PUC on 10/28/2021. A formal CO no. 5 is being routed for GM approval.	Start Date: April 29, 2020 Completion Date: January 14, 2022
	Construction services	
Project Description:	Work to be performed under this project shall consist of replacing the production well meters and associated well head piping. Construction management is performed in-house.	

DESIGN AND CONSTRUCTION PW 09-03 11.6% Complete	Casimiru Waterline Replacement Project (Giant Construction) Activities/Notes: The final design drawings were approved 08/03/2021. Contractor submitted Building Permit application to DPW on 08/05. On 08/11/21, the permit clearance was submitted to Historic Preservation Office (HPO), DPR. On 09/30/21, the Contractor received Certificate of Approval from HPO. DPR requires an Archaeologist to conduct Research Design for Archaeological Monitoring and Discovery Plan. SHPO states this project has the potential to affect historic properties that are 840 feet away.	Start Date: February 8, 2021 Completion Date: March 8, 2022
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	<p>A letter was sent to SHPO asking for clarification on how the project will affect the historic properties located 840 feet away. SHPO has not responded to this letter.</p> <p>The GM is planning to meet with DPR Director first week of November to discuss this matter.</p> <p>All material piping materials arrived on island.</p> <p>The Contractor is ready to proceed with the excavation as soon as the permit is issued.</p>	
	Design and Construction services	
Project Description:	Work to be performed under this project shall consist of design and construction of existing ACP replacement. Approximate length of existing waterline to be replaced is 2,750 feet. Construction management is performed in-house.	

CONSTRUCTION PW 09-03 MP-PW-PIPE 12 8% Complete	Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement (Giant Construction Corporation)	Start Date: May 17, 2021
8% Complete	Activities/Notes: Securing building permit. Change Order no. 1 to hire an archaeologist has been approved. Archaeologist (SEARCH) submitted the archaeological design plans to DPR-SHPO on 10/11/2021. Waiting for DPR-SHPO comment/approval. Materials arrived on line and will be inspected by the project CM.	Completion Date: June 16, 2022
Project Description:	Work to be performed under this project consist of replacing an existing 6-inch asbestos cement pipes (ACP) with new 8-inch polyvinyl chloride (PVC) water line along Tai Road; replacing an existing 2-inch water line with a new 6-inch water line along S-13; disconnecting existing branch water lines, service connections and other water appurtenance connections from an existing 6-inch ACP water line and reconnect to existing 12-inch PVC water line along Canada-Toto Loop; and replacing an existing 6-inch ACP water line with new 6-inch PVC water line along Blas Street.	

CONSTRUCTION MANAGEMENT PW 09-03	Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement (DCA)	Start Date: May 7, 2021
0% Complete	Activities/Notes: Assisting project contractor to obtain permits and clearances from various related agencies.	Completion Date: Based on 13-month continuous construction period

Project Description:	Work to be performed is awarded under Task Order no. 2 for CM services under the ID/IQ For Professional Project Management and Construction Management Services contract with DCA. Work under this task order is to provide construction management and inspection services for the Tai Road/S-13 and Canada-Toto Loop/Blas Street Waterline Replacement project.	
<u>PROJECT MANAGEMENT, PROCUREMENT SUPPORT & CONSTRUCTION MANAGEMENT</u> MP-PW-SWTP-03	Ugum Water Treatment Plant Rehabilitation (DCA)	Start Date: July 6, 2021
61.06% Complete	Activities/Notes: The draft Assessment and Procurement Report and Bid Schedule were submitted on 08/19/2021. Work on gathering more information to complete the assessment-procurement report and bid schedule is ongoing, Coordination with material suppliers has started. This coordination work is for the purpose of preparing the specifications. Draft Procurement (Bid) package was submitted 10/06/21. Review comments sent to DCA on 10/26/21. After discussion with Ugum Operators, additional comments were sent to DCA on 10/27/21, including furnishing 2 1-ton chlorine containment vessels inside the chlorine room. Because additional comments were not received on time, the October target date for the final submittal was moved to first week of November 2021. A second invoice for \$61,498.20 was approved on 10/18/21 bringing the total payment to \$120,9245.20.	Completion Date: December 3, 2021
	Project Management, Procurement Support and Construction Management services	
Project Description:	Work to be performed is awarded under Task Order no. 3 under the ID/IQ for Professional Project/Construction Management Services contract with DCA. Work will consist of assessment/site investigation of existing condition of the plant, preparation of schedule, procurement documents, relevant permits, construction bid support services, and response to request for interpretation/information, construction management services for the plant rehabilitation.	

<u>IN-HOUSE DESIGN AND CONSTRUCTION</u> PW 09-03	Balaku Street and Borja Street Replacement Project (GWA)	Start Date: June 21, 2021
10% Complete	Activities/Notes: All required clearances for Building permit have been secured. Permit was sent to DPW on 09/29/2021 for final approval. On 10/26/21, Highway Encroachment Permit section notified GWA that a \$525.00 fee is required before the permit is released. Of this amount \$500.00 is refundable upon satisfactory restoration of damaged pavement. On 10/27/21, a request was sent to Accounting to process a check to Treasurer of Guam for \$525.00. The separate permit fee assessed by DPW in the amount of \$1,955.25 has been waived. About 90% of off-island materials arrived on island. Design and Construction services	Completion Date: December 31, 2021
Project Description:	Work to be performed under this project shall consist of in-house design and construction of waterline replacement in Balaku Street in the village of Barrigada and Borja Street in the village of Sinajana. Approximately 450 feet of 4-inch waterline will be installed in Balaku Street and 500 feet of 6-inch waterline in Borja street.	

D. CIP Wastewater Section

<u>CONSTRUCTION</u> WW 09-06	Bayside SPS Improvements Design (EMPSCO)	Start Date:
70% Construction Services	Activities/Notes: Mechanical piping layout at the basement and ground floor installed, pressure pipe testing completed. Installation of submersible pump at wet well completed, but not the installation of transducers stilling well. Installation of panel board, step down transformer completed. Continuous review of submittal, shop drawings, and RFIs. CO no. 1 executed on 06/11/2021. Payment Application no. 3 paid.	Completion Date: November 8, 2021 (This is to be determined because of the request of time extension due to delay of approval of DPW permit application, delay in procurement and delivery of materials due to covid and time extension of additional work - pull box, mechanical pipe supports and

		replacement of remaining existing fence and gate.)
CO #3	Engineering design services	
Project Description:	The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges and install underground power cable due to GPA's concern that existing power pole, located on the bank is at risk of being lost due to storm surges.	
CONSTRUCTION MP-WW-PIPE-01	Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation (lan Corporation)	Start Date: May 3, 2021
0% Complete	Activities/Notes: Contractor continues preparation and masonry repair works on station interior walls, ceiling and roof. Contractor continues to procure/submit materials/submittals, shop drawings, RFIs, substitution requests, etc. GWA Ops installed working sump pump; 10/20/21.	Completion Date: May 29, 2022
Project Description:	Work to be performed under this project consist of demolition of existing building features and equipment, including the existing power pole and power meter, plumbing fixtures and piping, water service piping, electrical system, ventilation system, building fascia and monorail beam and construction of rehabilitation and flood mitigation features including structural wall repairs, flood barrier gates, raised louver sills, cantilever monorail beam, elevated platforms, ventilation system, site work, site water piping, utility tie-in connections, protective coatings, electrical system, instrumentation and controls, testing, startup, and appurtenant work.	
CONSTRUCTION MANAGEMENT WW 09-01	Yigo Sewer Pump Station Flood Mitigation and Facility Rehabilitation (DCA)	Start Date: May 3, 2021
0% Complete	Activities/Notes: CM submits reviewed contractor Payment Application no. 1 on 10/06/2021.	Completion Date: May 29, 2022

Project Description:	Work to be performed under this project consist of demolition of existing building features and equipment, including the existing power pole and power meter, plumbing fixtures and piping, water service piping, electrical system, ventilation system, building fascia and monorail beam and construction of rehabilitation and flood mitigation features including structural wall repairs, flood barrier gates, raised louver sills, cantilever monorail beam, elevated platforms, ventilation system, site work, site water piping, utility tie-in connections, protective coatings, electrical system, instrumentation and controls, testing, startup, and appurtenant work.
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E. CIP Engineering Support

DESIGN EE 09-08	SCADA System for Water and Wastewater Facilities Phase A-1 (AECOM)	Start Date: June 11, 2015
100% Complete (Design) 84% Services during Construction	Activities/Notes: Negotiate changes to the remaining tasks to better align with current state of the system ongoing. Scoping details discussed. AECOM preparing proposal. GWA received RFI from AECOM.	Completion Date: November 2017 - Design December 11, 2019 - (Bid and Construction Support)
N/A	Engineering design services	
Project Description:	The A/E firm will design an integrated, robust and secure Supervisory Control and Data Acquisition (SCADA) system for GWA's water and wastewater systems, and to provide support services during bid and construction. The 22 sites will consist of a combination of water facilities such as production wells, reservoirs, booster pump station and wastewater sites include sewer treatment plants and sewer pump stations. Executed by approved change orders, number of sites in original design scope has changed from 22 sites to 19 sites and design of High Water Alarm for 20 critical sewer pump stations has been added. Scope also includes bid and construction support of the design-build project of GPWA SCADA EMS project.	

F. GIS Section

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

MAPPING MC 05-02	Island Wide Survey PH II - (Duenas, Camacho & Ass.)	Start Date: August 30, 2017
80% complete	Activities/Notes: Contract Extension Date approved on 08/18/2021.	Completion Date: December 31, 2021 (Extension Date)
	Survey services	
Project Description:	The work performed under this project procurement shall consist of a professional land surveyor conducting field work to mark corners of existing government properties as a means of severing out portions of the larger property to be deeded to GWA. Surveyor shall also prepare all necessary maps and documents for recording at DLM.	

G. Permits SectionPERMITS
MONTHLY REPORT 2021

	2021												
Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Building Permit	26	24	24	19	42	38	15	35	41	57			329
Occupancy Permit	11	11	11	18	8	3	9	14	2	3			90
New Installation	19	30	31	29	5	9	18	18	18	24			201
Sewer Application	0	4	4	6	0	1	2	0	0	3			20
Sewer Inspection	0	0	1	1	0	0	0	1	1	1			5
Private Utility Acceptance	0	1	1	0	0	1	0	0	0	1			4
Relocation of Water Meter	2	1	2	0	0	0	0	1	0	2			8
Tapping-Water	1	1	1	2	1	1	0	1	0	3			11
Tapping-Sewer	1	0	1	1	0	0	0	0	0	0			3
Clearance-Water	25	50	51	45	22	50	12	25	27	13			345
Clearance-Sewer	1	0	0	1	0	0	0	0	0	0			2
Highway Encroachment	9	13	13	19	5	23	8	4	5	40			139
Verification of Utilities	14	12	12	19	13	11	9	19	21	12			142
Fire Flow Test	1	0	2	0	0	0	0	1	0	0			4
Schedule Water Outage	0	0	0	0	0	0	0	0	0	0			0

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

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

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

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

a1: VOU replies were delayed when other work 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 - November 16, 2021 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 11/04/2021
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 performance time extension approved by GWA.
			Construction	2	11/9/2018	3/30/2021	\$6,275,783.00	InfraTech	Infratech (via Allied Trenchless) completed all CIPP and line ends at manhole grouting. Punch list items completed. CO no. 6 submitted to GWA. Multiple claims from Contractor evaluation completed. Change Order for recommended items and costs sent to contractor for signature.
			Construction (Phase II)		1/26/2021	4/21/2023	\$ 8,742,000.00	CoreTech/ Hawaiian Dredging	Contractor secured all required permits. CCTV inspection and initial cleaning completed 07/07/2021. Liner designed and submitted for approval. Point repair completed between MH16 and MH17. The new MH13 installation and new segment from MH13-14 are completed. RFI regarding installation of Line C or lining the existing main currently under review. Field inspection performed. Requested price to re-channel MH355 and clean and line existing main from Rte. 6 to evaluate proposal in lieu of new Line C. CCTV of existing main performed and there are no point repairs needed but the pipe needs CIPP and is a good alternative. Pending final price, GWA will decide which option is preferred. Initially, CIPP option is significantly more expensive than Line C construction. Pending price from contractor.
			CM	2	8/3/2017	3/8/2020	\$ 870,610.41	DCA	Working with Contractor on schedule, submittals, responding to RFIs, and assisting in the negotiations of PCO costs. Fee proposal for CM services for Phase 2 submitted and accepted by GWA. CO to add CM for Phase 2 executed.
		GWA Chief Engineer	Project / Contract Management		1/22/2020	12/31/2021	\$ 476,050.00	B&C	Executed under the IDIQ contract, Task Order 3 (TO3) authorizes Brown and Caldwell to manage and complete the construction of Rte. 1 Sewer Line Rehabilitation and Replacement project in conformance to the contract requirements. Amendment 1 to TO3 is executed to increase scope, cost and schedule to manage and complete the construction of Phase 2. On 09/28/2021, the CCU approved resolution 29-FY2021 authorizing to process Amendment 2 to TO3 to increase time and funding to continue to manage and complete the construction project, and send a notification to the PUC.

GWA Work Session - November 16, 2021 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 11/04/2021
7	Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5)	G. Watson	Design	6	5/27/2016	2/28/2018 (for design only)	\$ 1,758,247.00	AECOM	Bid and Construction Support Services on hold until construction IFB is issued.
			Construction	4					Waiting on feedback from designer for possible solution.
			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 - November 16, 2021 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 11/04/2021
14	Southern SSES Sewer Rehabilitation Phase II (Baza Gardens-Talofofo)	Brown & Caldwell	Design				The design was previously completed under bond funding.		
			Construction	8	8/2/2016	Due to issue related to Santa Rita sewer project completion under analysis.	\$ 1,189,815.00	ProPacific	<p>Santa Rita</p> <ul style="list-style-type: none"> • Archaeology – Via email, SHPO approved our proposed corrective actions. Contractor resumed excavations on 10/26/2021. Waiting for formal letter from SHPO. • Task order amendments – Survey subcontract and budget increase included in September CCU meeting (09/28/2021). • Construction (on-pause) <ul style="list-style-type: none"> - PPBC working on excavating wet well location. Approx. 3 feet from bottom elevation. - Forcemain pipe laid into trench and trench is backfilled. : A section of the forcemain will have a mechanical joint with a concrete encasement due to an existing storm drain line that was encountered during the excavation of the trench. : Forcemain was hydrostatic tested. - Completed installation of terminal manhole. - Installed 8" PVC gravity line from terminal manhole to existing manhole on Pale Ferdinand Way. : Road has been restored. Some deficiencies on asphalt. Contractor will restore upon project completion. - Contractor installing secondary electrical handhole and conduit. - Contractor plugging abandoned gravity lines in wetland. - Wet well on site.
			CM	8	7/29/2016	5/28/2017	\$ 425,756.09	EMPSCO	Closed out. Does USEPA need anything?
		GWA Chief Engineer	Project / Contract Management		6/17/2019	9/30/2021	\$ 269,228.00	B&C	<p>Executed under the IDIQ contract, Task Order 4 (TO4) authorizes Brown and Caldwell to manage and complete the construction of Southern SSES Sewer Rehabilitation Phase 2 project in conformance to the contract requirements.</p> <p>Amendments 1 and 2 to TO4 are executed to increase scope of work to include archaeological services, and increase contract time and funding to continue to manage and complete the construction project.</p> <p>Amendment 3 to TO4 is executed to extend completion date to 9/30/2021.</p> <p>On 09/28/2021, the CCU approved resolution 29-FY2021 authorizing to process Amendment 4 to TO4 to increase time and funding to continue to manage and complete the construction project, and send a notification to the PUC.</p>

GWA Work Session - November 16, 2021 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 11/04/2021
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"> • Site no. 2 visit with EOR regarding water line conflict and resulting revised sewer design alignment; 10/19/2021. • Contractor submits RFI no. 16 requesting adjustment of design invert elevations based on existing conditions. • Concrete encasement will be needed where sewerline does not meet minimum clearance with waterline; submittal for concrete mix design. • Trench excavation and pipe installation has commenced at Site no. 2. • Pipe deflection test still pending at Site no. 1 - Winner Apartments. • Contractor submits RFI no. 17 for proposed concrete paving restoration at Pancoso Palting Street. • GWA requests cost expansion for Change Order proposal for Site no. 3 • COP no. 2 processed.
			CM	9	3/31/2019	3/31/2020	\$ 531,000.75	Am Orient	CM acknowledged Notice to Proceed (NTP).
16	Talofofo Sewer Pump Stations (4 Stations)	G. Gattoc	Design (for Talofofo and Chalan Pago PS)	11	8/17/2016	11/30/2017	\$ 493,818.86	EMPSCO	<ul style="list-style-type: none"> • Auto-dialer testing completed for all lift stations; 10/21/21 • Contractor submits time extension request package; 10/18/21 • GWA requests contractor to submit legible Gantt charts previously attached to extension letter • Contractor submits USB flash drive of completed project drawings and documents for Substantial Completion on 10/20/21;
			Construction	10	12/27/2018	5/29/2020	\$ 2,411,418.00	Giant Const.	<ul style="list-style-type: none"> • GWA to review and initiate Substantial Completion • Contractor submits final invoice; 10/19/21
			CM		12/1/2018	12/31/2019			GWA Engineering will management construction management tasks.

GWA Work Session - November 16, 2021 - GM REPORT

	Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 11/04/2021
18	#18 Pressure Zone Realignment Construction- Phase I (Water Hydraulic Model Barrigada Service Area)	Design and construction of instrumentation at key water sites in the Barrigada service area necessary to update GWA Water hydraulic model.	Barbara Cruz J. Mendiola/G. Yeoh	Design	12	8/3/2016	3/15/2017	\$ 523,268.00	GHD	Design complete.
Construction (Phase I)				12	8/3/2016	6/30/2020	\$ 5,228,471.82	Sumitomo	Future outages for Okkodo or Kaiser are scheduled for 10/15. Outage for Clara that was scheduled on 09/27 has been delayed due to weather and a positive COVID case within SMCC's subcontractors (estimated on 10/08). SMCC still needs to submit chlorination test results and thrust block sketches before finalizing outage date. Operations testing for outage at Clara on 09/28/2021; results are pending. A CCR for Okkodo power connection is expected. Payment Request no. 6 submitted for review. Kaiser site partially connected. Ysengsong site pavement restored additional connection pending. 6 of 9 sites work in progress - Ysengsong, Clara, Kaiser, Okkodo, Terao, and Carnation. Pending sites Maimai, Yigo Reservoir, and Astumbo Reservoir.	
CM					6/15/2019	6/30/2020				
23	Project Advertisement	Each IFB or RFP requires advertising	Engineering/ Procurement	MISC	1			\$ 25,172.50	PDN/Post	Ongoing
24	Dungca Beach Sewer Improvements		R. Carino	Design				\$ 594,735.28	GHD	<ul style="list-style-type: none">• Project Management Plan in progress.• Bi-weekly meetings in progress.• Permitting: Ongoing.• Surveys: Surveyor is on board and is working on resolution of boundaries on Lagoon Dr.• Archeological Monitoring Plan status : Ongoing• Geo Engineering: Geo Engineers obtaining insurance to meet the contract requirements. They submitted their permit request(s).• Notification Letters/Door Hangers: Distributed to tenants, residents & owners. GWA & GHD started coordinating with the board of directors of Agana Condo and owners and residents of Trankilo and Lagoon Drive. Some residents of Lagoon drive hesitate to have a lift station but GWA provided information on the type of lift station constructed in that area. Other option will be discussed in the comments and issues of 30% design submittal.• Received 30% Design submittal - under review by GWA

GWA Work Session - November 16, 2021 - GM REPORT

Project	Project Description	Project Manager	Phase		Start Date (NTP Issued)	Anticipated Completion Date	Contract Amount	Contractor	Status as of 11/04/2021
25	Hagatna Sewer Pump Station Force Main	G. Gattoc	Design				\$603,951.14	GHD	<ul style="list-style-type: none"> • NEPA documents are still in progress. • GHD performing environmental/permitting analysis. • GWA to provide flow metering data related to Hagatna WWTP headworks. • GWA to confirm ability to measure/install pressure gauge on existing FM to establish system pump curve. • GWA to provide historical project information/data regarding HDD work. • GWA to schedule 2nd coordination meeting with DCA regarding new force main alignment option of a connected but separate structure • Progress meeting held last 10/29/2021. • Next progress meeting scheduled on 11/19/2021.
26	Fujita Sewer Pump Station Redundant Force Main	G. Gattoc	Design						AECOM submitted revised design fee proposal on 10/08/2021; pending GWA review.
27	2021 Well Rehab (A-28, M-14, D-15 & F-7)	J. Mendiola	Design						Procurement on hold until issues with A-series Wells are resolved.
							\$ 73,764,297.38		

GWA Utility Services Division
Monthly Status Report
Month ending OCT 2021

FY2022		WEEK ENDING: 10/09/21	WEEK ENDING: 10/16/21	WEEK ENDING: 10/23/21	WEEK ENDING: 10/30/21	OCT 2021 MONTHLY TOTAL	WEEKLY AVERAGE OCT 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES								WEEKLY AVERAGE SEP 2021	SEP 2021 MONTHLY TOTAL
Collections Activities:									
I.	Number of accounts cut for nonpayment:	104	80	88	56	328	82	119	476
II.	Number of accounts restored for nonpayment:	66	47	43	47	203	51	90	361
III.	Number of No water reports responded to:	6	7	9	4	26	7	1	3
IV.	Number of Secure/Unsecure valve reports responded to:	6	5	2	0	13	3	7	29
V.	Number of Verify reads responded to:	0	0	1	0	1	0	3	12
VI.	Number of new pay plans negotiated for active accounts:	105	88	96	68	357	89	109	435
VII.	Number of active pay plans negotiated and ongoing:	755	791	721	722		747	775	
VIII.	Number of inactive accounts with a payment arrangement:	6	6	6	6		6	8	
IX.	Number of broken payment plans:	90	25	68	34	217	54	35	141
Customer Service Activities (lobby visits):									
A. GBN Public Service Building – Fadian									
i.	Total Customers Assisted:	215	177	203	231	826	207	169	676
ii.	Total Abandoned Requests:	5	7	8	5	25	6	7	28
iii.	Average Wait Time:	11 minutes	6 minutes	12 minutes	10 minutes		9.75 minutes	8 minutes	
iv.	Average Service Time:	12 minutes	12 minutes	11 minutes	12 minutes		11.75 minutes	12 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	52	39	50	52	193	48	42	168
2.	Restore water cut for non payment:	7	6	12	15	40	10	9	35
3.	Terminate Water:	9	10	6	12	37	9	9	35
4.	Copy of Bill:	14	16	25	22	77	19	21	85
5.	Billing Dispute:	50	25	37	48	160	40	35	140
6.	Billing Dispute follow up:	0	0	0	2	2	1	0	0
7.	General Questions & Other:	78	74	71	66	289	72	47	187
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:	7	7	5	15	34	9	8	32
B. Julale Satellite Office – Hagatna									
i.	Total Customers Assisted:	169	139	140	168	616	154	174	695
ii.	Total Abandoned Requests:	7	2	1	12	22	6	10	38
iii.	Average Wait Time:	3 minutes	1 minutes	2 minutes	4 minutes		2.5 minutes	5.5 minutes	
iv.	Average Service Time:	8 minutes	8 minutes	8 minutes	7 minutes		7.75 minutes	9.25 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	33	37	35	32	137	34	36	144
2.	Restore water cut for non payment:	18	8	8	5	39	10	15	58
3.	Terminate Water:	13	8	7	16	44	11	10	41
4.	Copy of Bill:	39	33	37	42	151	38	35	138
5.	Billing Dispute:	32	27	37	40	136	34	49	197
6.	Billing Dispute follow up:	0	0	1	0	1	0	0	1
7.	General Questions & Other:	30	14	13	34	91	23	29	114
8.	Report a water leak:	0	1	0	0	1	0	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	8	11	8	4	31	8	6	22
C. Upper Tumon Satellite Office – Upper Tumon									
i.	Total Customers Assisted:	209	201	208	198	816	204	199	797
ii.	Total Abandoned Requests:	7	5	5	4	21	5	7	29
iii.	Average Wait Time:	4 minutes	5 minutes	4 minutes	3 minutes		4 minutes	7.25 minutes	
iv.	Average Service Time:	10 minutes	12 minutes	12 minutes	12 minutes		11.5 minutes	13.5 minutes	
v.	Purpose of lobby visit:								
1.	Apply for water:	36	56	45	71	208	52	53	213
2.	Restore water cut for non payment:	21	13	10	7	51	13	21	84
3.	Terminate Water:	28	16	18	19	81	20	20	79
4.	Copy of Bill:	23	16	19	17	75	19	13	50
5.	Billing Dispute:	60	54	74	55	243	61	54	217
6.	Billing Dispute follow up:	0	1	0	0	1	0	1	2
7.	General Questions & Other:	26	36	38	24	124	31	32	128
8.	Report a water leak:	0	2	0	0	2	1	0	0
9.	Report water theft:	0	0	0	0	0	0	0	0
10.	Payment Arrangement:	16	12	6	8	42	11	7	28

GWA Utility Services Division
Monthly Status Report
Month ending OCT 2021

FY2022 UTILITY SERVICES DIVISION ACTIVITIES	WEEK ENDING: 10/09/21	WEEK ENDING: 10/16/21	WEEK ENDING: 10/23/21	WEEK ENDING: 10/30/21	OCT 2021 MONTHLY TOTAL	WEEKLY AVERAGE OCT 2021	PREVIOUS MONTH	
							WEEKLY AVERAGE SEP 2021	SEP 2021 MONTHLY TOTAL
Customer Service Activities (Electronic):								
i. Emails Received:								
1. customers@guamwaterworks.org:	135	130	112	125	502	126	150	599
Request type (email):								
a. Apply for water:	28	19	24	29	100	25	27	108
b. Terminate Water:	8	17	5	10	40	10	17	68
c. Copy of Bill:	5	6	2	3	16	4	6	25
d. Billing Dispute & follow up:	6	6	3	1	16	4	9	36
e. General Questions & Other:	76	60	62	74	272	68	52	207
f. Report a water leak:	3	10	5	3	21	5	12	49
g. Report water theft:	0	0	0	0	0	0	0	0
h. Online services inquiry:	9	12	11	5	37	9	27	106
2. gwaservesme@guamwaterworks.org (realtors/prop mgrs):	0	0	0	0	0	0	0	0
ii. Emails Replied (both):	123	121	136	90	470	118	120	479
iii. Online Portal:								
Request type (online portal):								
a. Start Service:	2	2	3	3	10	3	1	3
b. Stop Service:	2	0	0	3	5	1	1	4
c. Payment Plan:	2	4	2	1	9	2	5	18
d. Customer Information Updates:	1	1	1	3	6	2	1	2
e. Service Investigations:	0	0	1	0	1	0	1	2
f. Account Inquiries:	3	5	7	4	19	5	3	13
g. Technical Support:	0	3	0	0	3	1	0	0
h. Outages & Emergencies:	0	0	0	0	0	0	0	0
Call Center Activities:								
i. Calls Received:	1633	997	1030	1180	4840	1210	1396	5583
ii. Calls Immediately Answered:	574	584	605	594	2357	589	546	2184
iii. Calls Abandoned:	81	34	38	44	197	49	63	252
iv. Calls Handled by Voice mail:	951	346	358	542	2197	549	763	3052
v. Average duration of call:	3 minutes	5 minutes	5 minutes	4 minutes		4.25 minutes	4.25 minutes	
vi. Breakdown by request type:								
1. Apply/Terminate info:	8	17	27	27	79	20	29	117
2. Automated Telephone Call:	4	2	15	10	31	8	13	50
3. Balance Inquiry:	68	88	86	85	327	82	53	213
4. Call Back:	43	13	15	18	89	22	34	137
5. Dispatch:	7	24	16	14	61	15	7	28
6. Dispute:	7	10	4	1	22	6	1	3
7. Follow-up:	26	48	65	35	174	44	52	206
8. General Questions & Other:	137	144	157	150	588	147	188	753
9. Route Calls to GWA Staff:	59	74	81	71	285	71	69	277
10. No Water:	27	11	23	13	74	19	26	105
11. Online/Phone App Help:	28	31	17	29	105	26	30	121
12. Pay by Phone:	56	62	72	94	284	71	65	258
13. Pay Plan:	35	49	60	34	178	45	46	185
14. Restore Non-payment:	14	21	8	28	71	18	14	56
15. Secure/Unsecure Valve:	2	13	17	8	40	10	8	30
16. Voice Mail:	134	59	52	79	324	81	103	411
17. Water leak:	6	16	20	11	53	13	9	35
Bill Dispute & Resolution Activities:								
i. Dispute Resolution:								
1. Number of disputed accounts resolved:	14	30	28	15	87	22	17	69
2. Number of disputed accounts under review:	1648	1653	1713	1695		1677	1667	
Data Entry of Completed Field work in CIS:								
i. Document Control:								
1. Number of field activities posted:	319	274	248	274	1115	279	266	1062
2. Number of field activities pending:	6	10	15	31	62	16	188	750
Field Response Activities:								
I. Number of field activities assigned:	236	205	144	229	814	204	219	877
II. Number of field activities completed:	319	274	248	274	1115	279	246	983
III. Number of field activities pending field action:	0	4	0	0	4	1	1	5

GWA Utility Services Division
Monthly Status Report
Month ending OCT 2021

FY2022		WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	WEEK ENDING:	OCT 2021 MONTHLY TOTAL	WEEKLY AVERAGE OCT 2021	PREVIOUS MONTH	
UTILITY SERVICES DIVISION ACTIVITIES		10/09/21	10/16/21	10/23/21	10/30/21			WEEKLY AVERAGE SEP 2021	SEP 2021 MONTHLY TOTAL
Meter Reading Activities:									
I.	Number of meters read:								
A.	Electronically Read Meters:	8926	9410	11866	5661	35863	8966	8668	34670
B.	Manually Read Meters:	54	28	35	22	139	35	24	95
i.	Unread meters (Meters scheduled but not read):	9	12	13	11	45	11	10	38
ii.	Number of data logs received:	29	29	37	22	117	29	22	88
iii.	Number of data logs retrieved:	20	25	37	23	105	26	29	114
iv.	Number of data logs pending field action:	0	0	0	3	3	1	0	0
v.	Communication Errors/Reprogramming requests:	0	0	0	0	0	0	4	14
vi.	Number of estimated readings (for the week):	385	103	358	103	949	237	137	547
vii.	Reasons for Estimations:								
1.	Cant locate meter:	3	0	1	0	4	1	1	3
2.	Temporary Obstruction:	0	2	0	1	3	1	1	3
3.	Vicious Dog:	0	0	0	0	0	0	0	0
4.	Flooded meter:	1	1	1	0	3	1	0	1
5.	Corrective action to database requested:	3	2	4	3	12	3	1	5
6.	Possible changed out meter:	7	9	11	10	37	9	7	26
7.	Communication/Programming error (code 92's):	3	2	2	0	7	2	0	0
8.	Other:								
a.	Leaks detected on customer's private line:	1386	1734	1944	732	5796	1449	1460	5840
b.	Reverse Flow Detected:	346	71	324	74	815	204	111	445
c.	No Usage Detected:	258	187	359	243	1047	262	259	1035
d.	Tamper Code:	11	4	1	4	20	5	5	19
C.	Electronic Read Percentage:	99.40%	99.70%	99.71%	99.61%		99.6%	99.7%	
Illegal Connection & Unauthorized Use of Water Activities:									
I.	Number of Inactive Still Consuming Reports rec'd & Investigated:	0	2	0	2	4	1	1	4
II.	Number of Illegal Connection reports rec'd & investigated:	0	0	0	1	1	0	1	5



Financial Statement Overview

October 2021

There were 3,167 COVID-19 positive tests and 41 COVID-related fatalities reported during the month of October, slightly down from the September totals. For the month of October 2021, the average daily positive test rate was 102.

On October 31, 2021, the island's COVID Area Risk (CAR) score was 18.8 and testing was available to the public at no charge at various locations throughout the island. Executive Order 2021-27 extended the public health emergency to November 29, 2021.

By October 2021, more than 90% of the eligible population (includes 12 -15-year-olds) or 123,866 residents were fully vaccinated, 4,430 residents in the month of October. GovGuam, pharmacies and clinics made available free COVID 19 vaccines and boosters in a variety of locations including the UOG Fieldhouse

Despite the pandemic, while only 7% of payments are made in cash, more than a third of payments continue to be made in person. Beginning in August, ratepayers were able to access one walkup window in Upper Tumon to make payments; the drive through continues to remain open.

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

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

Month	Customer Count	Amount Paid	Fees	% Of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October – December 2020	100	\$194,764	\$3,916	2.01%
January – March 2021	122	\$272,887	\$5,487	2.01%
April – June 2021	150	\$333,368	\$6,703	2.01%
July -September 2021	154	\$318,267	\$6,399	2.01%
October 2021	49	\$214,355	\$4,310	2.01%

Since the suspension of disconnections for nonpayment was lifted, the Upper Tumon office has been open for payments on Saturdays. For the Saturdays in October, 283 payments totaling \$45,307 were made towards GWA billings and 366 payments totaling \$93,582 were made for GPA. Note that there were five Saturdays in October this year.

For the month of October, Finance posted \$155,472.69 utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP) funded through the second federal relief act. Customer Service is working with DOA to ensure that residents



who qualify for the program are not disconnected while payments are in process. Once funding becomes available, DOA will also administer the homeowner assistance program which also includes assistance for utilities.

PUC Docket

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

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

On October 4, 2021, the PUC Consultants asked for an extension of their deadline to submit testimony. On October 7, 2021, the ALJ issued a Third Amended Scheduling Order moving the deadline for the PUC Consultant's testimony to October 22, 2021, and the date for the ALJ Report and Proposed Order to November 22, 2021. PUC public hearings were held November 3, 4 and 5, 2021 and evidentiary hearings held on November 8 and 9, 2021.

A special meeting of the PUC on the Financial Plan Update is scheduled for December 23, 2021. Changes to the rate design and / or rates will likely not occur until January 2022.

Rate Stabilization Fund

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

FY22 Budget

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

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

Water and Wastewater Consumption

Water consumption is same level as last year and wastewater flows are up 1% for the month of October. With regard to water consumption, Commercial 1, 2 & 3 showed growth, while Hotel remains down by 5% compared to last year and residential was also below last year by 2%.

Year to Date (YTD) water demand was about the same as last year and wastewater demand was down 2% compared to last year. Increases in water demand in the commercial customer classes offset decreases in the residential customer class. Note that the number of YTD billing days for October 2021 was about the same as October 2020, 30 days. See Schedule K for Water Demand for FY2015 to FY2022.



YTD average daily water consumption for the October 2021 of 14,543 kgals was about the same as October 2020's 14,515 kgals. In October 2021 as compared to October 2020, decreases in the residential average daily water consumption were made up by increases in Commercial average daily water consumption.

Balance Sheet (Schedule A)

- Total Assets & Deferred Outflows of Resources of \$1.202B in September 2021 decreased by \$1.2M or less than 1% in October 2021 to \$1.201B. Current Assets increased by \$1.5M primarily due to decreases in cash. Property, Plant and Equipment decreased by \$1.8M due to increases in accumulated depreciation. Other Noncurrent Assets increased by \$2.3M due to increases in investments. Days Cash on Hand was calculated at 232 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$883.32 in September 2021 decreased by \$31.9K or less than 1% to \$883.29M in October 2021 as reductions in contractors' payable were offset by increases in accounts payable trade and interest payable.
- Accounts Receivable days in September and October 2021 were 43 days. Accounts Payable days were 37 days in October 2021, up six days as compared to September 2021. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

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

- Total Operating Revenues for October 2021 of \$8.165M were 14% or \$1.3M less than budget of \$9.5M. Operating Revenues for October 2021 were less than 1% or \$8KM less than October 2020's \$8.173M as businesses begin to open due to the relaxation of public health emergency restrictions.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2021 and FY2020 Year to Date as of October as well as the revenue totals:

Customer Class	FY2022		FY2021	
○ Residential	\$4,043,144	49.82%	\$4,088,987	50.75%
○ Commercial	\$1,788,916	22.04%	\$1,609,980	19.98%
○ Hotel	\$897,255	11.06%	\$926,479	11.50%
○ Government of Guam	\$889,719	10.96%	\$831,614	10.32%
○ Federal Government	\$457,369	5.64%	\$562,188	6.98%
○ Agriculture, Golf Course, Irrigation	38,724	0.48%	\$37,147	0.46%
TOTALS	\$8,115,126	100.00%	\$8,056,395	100.00%

- Total Operating Expenses for October 2021 of \$6.98M were \$486K or 7% more than budget of \$7.5M. Total Operating Expenses for October 2021 were 5% or \$355K less than October 2020's \$6.63M. The largest increases month over month were in power purchases and depreciation.
- Earnings from Operations for October 2021 of \$1.2M were 41% or \$825K less than the budget of \$2M and 24% or \$363K less than October 2020's \$1.5M. Change in Net Assets for October 2021 of (\$1.2M) was 143% or \$4M less than the \$2.8M budget and \$226K or 23% less than October 2020's (\$973K).

**Key Financial Indicators**

Indicator	Target	Sept-21	Oct-21
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.31	1.25
• Per PUC / CCU	1.40	1.31	1.25
Days – Cash on Hand	120 days	253 days	232 days
Collection Ratio			
• Month to Date	99%	89%	95%
• Year to Date	99%	99%	95%
Days Billed	30 days	31 days	30 days
Account Receivable Days	30 days	43 days	43 days
Account Payable Days	45 days	31 days	37 days
Employee Count	400 FTE	369 FTE	365 FTE
Water Demand			
• Month to Date	478,754	452,667	436,303
• Year to Date	478 754	5,339,864	436,303
Wastewater Flow			
• Month to Date	356,472	338,425	309,291
• Year to Date	356 472	3,811,828	309,291
Water Customers	42,839	43,084	43,106
Wastewater Customers	29,805	29,987	29,860

GUAM WATERWORKS AUTHORITY
October 31, 2021
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY
Balance Sheet
October 31, 2021

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited October 31, 2021	Unaudited September 30, 2021	Increase (Decrease)
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule G)	32,480,085	35,044,630	(2,564,545)
Restricted Funds (Schedule G)	41,171,762	42,426,211	(1,254,449)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$8,747,124 at Oct 31, 2021 and \$8,584,821 at Sept 30, 2021	11,644,182	11,107,662	536,519
Federal Receivable	10,887,465	10,814,832	72,633
Other Receivable	1,020,565	1,002,328	18,236
Prepaid Expenses	2,606,843	849,867	1,756,975
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Oct 31, 2021 and \$64,131 at Sept 30, 2021	4,198,211	4,284,336	(86,126)
Total Current Assets	104,009,111	105,529,868	(1,520,756)
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	403,983,372	403,893,884	89,488
Wastewater system	501,499,254	501,499,254	-
Non-utility property	32,284,392	32,250,063	34,329
Total property	937,767,018	937,643,201	123,817
Less: Accumulated Depreciation	(368,880,887)	(366,627,844)	(2,253,043)
Land	5,240,187	5,240,187	-
Construction Work in Progress	193,331,599	193,012,128	319,471
Property, Plant and Equipment, net	767,457,918	769,267,673	(1,809,755)
<u>Noncurrent assets</u>			
Restricted cash (Schedule G)	193,057,636	193,458,224	(400,587)
Investments (Schedule G)	70,374,071	67,678,709	2,695,361
Total other noncurrent assets and deferred charges	263,431,707	261,136,933	2,294,774
Total Assets	1,134,898,737	1,135,934,474	(1,035,737)
Deferred outflows of resources			
Regulatory Assets	1,877,320	1,900,950	(23,630)
Debt defeasance due to bond refunding	31,115,239	31,286,637	(171,399)
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	1,200,811,377	1,202,042,143	(1,230,766)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,990,000	-
Series 2014 Refunding Bond	555,000	555,000	-
Series 2016 Revenue Bond	4,055,000	4,055,000	-
Series 2017 Refunding Bond	2,145,000	2,145,000	-
Accounts Payable -Trade	3,880,346	2,727,400	1,152,946
Accrued and Other Liabilities	1,985,723	1,725,728	259,995
Interest Payable	9,765,468	7,324,101	2,441,367
Accrued Payroll and Employee Benefits	976,356	918,403	57,953
Current portion of employee annual leave	660,125	660,125	-
Contractors' Payable	22,332,813	26,183,731	(3,850,918)
Customer and Other Deposits	2,258,215	2,237,010	21,206
Total Current Liabilities	51,604,046	51,521,498	82,549
<u>Long Term Debt, less current maturities</u>			
Series 2013 Revenue Bond	21,510,000	21,510,000	-
Series 2014 Refunding Bond	64,055,000	64,055,000	-
Series 2016 Revenue Bond	134,975,000	134,975,000	-
Series 2017 Refunding Bond	103,180,000	103,180,000	-
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	40,497,986	40,654,335	(156,349)
Net pension liability	54,387,676	54,387,676	-
Net OPEB obligation	84,163,331	84,163,331	-
Employee Annual Leave, Less Current Portion	1,185,813	1,185,813	-
Employee Sick Leave	1,339,208	1,339,208	-
Total Liabilities	856,973,061	857,046,861	(73,800)
Deferred inflows of resources:			
Contribution in Aid of Construction	286,650	244,720	41,930
Deferred inflows from pension	1,010,540	1,010,540	-
Deferred inflows from OPEB	25,015,789	25,015,789	-
Total Liabilities and Deferred Inflows of Resources	883,286,040	883,317,910	(31,870)
Net Assets	317,525,337	318,724,233	(1,198,896)
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,200,811,377	1,202,042,143	(1,230,766)

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

SCHEDULE B

	Month to Date		Variance
	Actual (Unaudited)	Budget*	Favorable /
	October-21	October-21	(Unfavorable)
OPERATING REVENUES			
Water Revenues	5,307,696	5,863,373	(555,677)
Wastewater Revenues	2,567,600	3,226,426	(658,826)
Legislative Surcharge	239,829	274,214	(34,385)
Other Revenues	36,512	35,895	617
System Development Charge	14,104	77,442	(63,338)
Total Operating Revenues	8,165,741	9,477,350	(1,311,608)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	500,000	718,609	218,609
Power Purchases	1,312,892	1,082,131	(230,761)
Total Utility Costs	1,812,892	1,800,740	(12,152)
Salaries and Wages	1,485,059	1,680,209	195,150
Pension and Benefits	579,281	696,003	116,722
Total Salaries and Benefits	2,064,340	2,376,212	311,872
Capitalized Labor and Benefits	(333,000)	(308,333)	24,667
Net Salaries and Benefits	1,731,340	2,067,879	336,539
Administrative and General Expenses			
Sludge removal	54,403	131,907	77,504
Chemicals	107,860	154,919	47,060
Materials & Supplies	97,638	157,600	59,963
Transportation	71,038	55,926	(15,111)
Communications	6,272	27,135	20,863
Claims	18,173	14,331	(3,842)
Insurance	79,937	82,972	3,035
Training & Travel	3,007	23,501	20,494
Advertising	2,700	11,392	8,692
Miscellaneous	99,084	98,078	(1,006)
Regulatory Expense	15,236	30,183	14,947
Bad Debts Provision	154,407	139,113	(15,294)
Total Administrative and General Expense	709,753	927,059	217,305
Depreciation Expense	2,252,625	1,855,919	(396,706)
Contractual Expense			
Audit & Computer Maintenance	58,968	127,234	68,266
Building rental	41,479	41,412	(68)
Equipment rental	41,757	52,778	11,021
Legal	-	-	-
Laboratory	14,813	62,851	48,038
Other	75,040	252,728	177,688
Total Contractual Expense	232,058	537,002	304,945
Retiree Supp. Annuities and health care costs	193,725	233,386	39,661
Contribution to Government of Guam	51,833	48,546	(3,287)
Total Retiree Benefits	245,558	281,932	36,374
Total Operating Expenses	6,984,226	7,470,531	486,305
Earnings (Loss) from Operations	1,181,515	2,006,819	(825,304)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,617	128,299	(125,682)
Interest Income - Other Funds	839	29,550	(28,711)
Interest Income - SDC	254	2,488	(2,233)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,441,367)	(2,638,329)	196,962
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	(23,078)	179,427
Defeasance due to bond refunding	(171,399)	(22,439)	(148,960)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(339)	-	(339)
Total non-operating revenues (expenses)	(2,453,044)	(2,523,508)	70,464
Net Income (Loss) before capital contributions	(1,271,529)	(516,689)	(754,840)
Capital Contributions			
Grants from US Government	72,633	3,311,071	(3,238,438)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	72,633	3,311,071	(3,238,438)
Change in Net Assets	(1,198,896)	2,794,383	(3,993,279)
Debt Service Calculation			
Earnings From Operations	1,181,515	2,006,819	
System Development Charge	(14,104)	(77,442)	
Retiree COLA	51,833	48,546	
Interest/Investment Income	839	29,550	
Depreciation	2,252,625	1,855,919	
Balance Available for Debt Service per Section 6.12	3,472,709	3,863,393	
Debt Service			
Principal	812,083	772,500	
Interest	1,976,089	1,996,663	
Total	2,788,172	2,769,163	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.25	1.40	

*Interim budget

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

SCHEDULE C

	Month to Date		Variance
	Actual (Unaudited)	Actual (Unaudited)	Increase /
	October-21	October-20	(Decrease)
OPERATING REVENUES			
Water Revenues	5,307,696	5,240,912	66,785
Wastewater Revenues	2,567,600	2,580,033	(12,433)
Legislative Surcharge	239,829	236,103	3,727
Other Revenues	36,512	16,911	19,600
System Development Charge	14,104	99,777	(85,673)
Total Operating Revenues	8,165,741	8,173,736	(7,994)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	500,000	500,000	0
Power Purchases	1,312,892	988,701	324,191
Total Utility Costs	1,812,892	1,488,701	324,191
Salaries and Wages	1,485,059	1,547,161	(62,102)
Pension and Benefits	579,281	588,460	(9,179)
Total Salaries and Benefits	2,064,340	2,135,621	(71,281)
Capitalized Labor and Benefits	(333,000)	(332,775)	(225)
Net Salaries and Benefits	1,731,340	1,802,846	(71,506)
Administrative and General Expenses			
Sludge removal	54,403	134,485	(80,082)
Chemicals	107,860	124,795	(16,935)
Materials & Supplies	97,638	86,379	11,259
Transportation	71,038	34,136	36,902
Communications	6,272	7,333	(1,061)
Claims	18,173	-	18,173
Insurance	79,937	78,330	1,607
Training & Travel	3,007	-	3,007
Advertising	2,700	4,671	(1,971)
Miscellaneous	99,084	80,563	18,521
Regulatory Expense	15,236	8,958	6,278
Bad Debts Provision	154,407	161,138	(6,731)
Total Administrative and General Expense	709,753	720,787	(11,034)
Depreciation Expense	2,252,625	2,117,486	135,139
Contractual Expense			
Audit & Computer Maintenance	58,968	94,319	(35,351)
Building rental	41,479	37,471	4,008
Equipment rental	41,757	27,387	14,370
Legal	-	-	-
Laboratory	14,813	7,500	7,313
Other	75,040	80,658	(5,618)
Total Contractual Expense	232,058	247,335	(15,278)
Retiree Supp. Annuities and health care costs	193,725	201,273	(7,548)
Contribution to Government of Guam	51,833	50,333	1,500
Total Retiree Benefits	245,558	251,606	(6,048)
Total Operating Expenses	6,984,226	6,628,762	355,464
Earnings (Loss) from Operations	1,181,515	1,544,973	(363,458)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,617	2,118	499
Interest Income - Other Funds	839	600	239
Interest Income - SDC	254	7,981	(7,727)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,441,367)	(2,559,639)	118,272
Contributions from Federal Government	-	-	-
Federal Expenditures	-	27,176	(27,176)
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	154,599	1,750
Defeasance due to bond refunding	(171,399)	(172,097)	699
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(339)	-	(339)
Total non-operating revenues (expenses)	(2,453,044)	(2,539,263)	86,219
Net Income (Loss) before capital contributions	(1,271,529)	(994,290)	(277,239)
Capital Contributions			
Grants from US Government	72,633	13,928	58,705
Grants from GovGuam & Others	-	7,106	(7,106)
Total Capital Contributions	72,633	21,034	51,600
Change in Net Assets	(1,198,896)	(973,256)	(225,640)
Debt Service Calculation			
Earnings From Operations	1,181,515	1,544,973	
System Development Charge	(14,104)	(99,777)	
Retiree COLA	51,833	50,333	
Interest/Investment Income	839	600	
Depreciation	2,252,625	2,117,486	
Balance Available for Debt Service per Section 6.12	3,472,709	3,613,615	
Working Capital Reserve Available for Debt Service	-	-	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	3,472,709	3,613,615	
Debt Service			
Principal	812,083	772,500	
Interest	1,976,089	1,847,251	
Total	2,788,172	2,619,751	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.38	
Debt Service Coverage (1.40X) (PUC)	1.25	1.38	

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

SCHEDULE D

	Year to Date		Variance
	Actual (Unaudited)	Budget*	Favorable /
	October-21	October-21	(Unfavorable)
OPERATING REVENUES			
Water Revenues	5,307,696	5,863,373	(555,677)
Wastewater Revenues	2,567,600	3,226,426	(658,826)
Legislative Surcharge	239,829	274,214	(34,385)
Other Revenues	36,512	35,895	617
System Development Charge	14,104	77,442	(63,338)
Total Operating Revenues	8,165,741	9,477,350	(1,311,608)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	500,000	718,609	218,609
Power Purchases	1,312,892	1,082,131	(230,761)
Total Utility Costs	1,812,892	1,800,740	(12,152)
Salaries and Wages	1,485,059	1,680,209	195,150
Pension and Benefits	579,281	696,003	116,722
Total Salaries and Benefits	2,064,340	2,376,212	311,872
Capitalized Labor and Benefits	(333,000)	(308,333)	24,667
Net Salaries and Benefits	1,731,340	2,067,879	336,539
Administrative and General Expenses			
Sludge removal	54,403	131,907	77,504
Chemicals	107,860	154,919	47,060
Materials & Supplies	97,638	157,600	59,963
Transportation	71,038	55,926	(15,111)
Communications	6,272	27,135	20,863
Claims	18,173	14,331	(3,842)
Insurance	79,937	82,972	3,035
Training & Travel	3,007	23,501	20,494
Advertising	2,700	11,392	8,692
Miscellaneous	99,084	98,078	(1,006)
Regulatory Expense	15,236	30,183	14,947
Bad Debts Provision	154,407	139,113	(15,294)
Total Administrative and General Expense	709,753	927,059	217,305
Depreciation Expense	2,252,625	1,855,919	(396,706)
Contractual Expense			
Audit & Computer Maintenance	58,968	127,234	68,266
Building rental	41,479	41,412	(68)
Equipment rental	41,757	52,778	11,021
Legal	-	-	-
Laboratory	14,813	62,851	48,038
Other	75,040	252,728	177,688
Total Contractual Expense	232,058	537,002	304,945
Retiree Supp. Annuities and health care costs	193,725	233,386	39,661
Contribution to Government of Guam	51,833	48,546	(3,287)
Total Retiree Benefits	245,558	281,932	36,374
Total Operating Expenses	6,984,226	7,470,531	486,305
Earnings (Loss) from Operations	1,181,515	2,006,819	(825,304)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,617	128,299	(125,682)
Interest Income - Other Funds	839	29,550	(28,711)
Interest Income - SDC	254	2,488	(2,233)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,441,367)	(2,638,329)	196,962
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	(23,078)	179,427
Defeasance due to bond refunding	(171,399)	(22,439)	(148,960)
Prior Year Adjustment	(339)	-	(339)
Total non-operating revenues (expenses)	(2,453,044)	(2,523,508)	70,464
Net Income (Loss) before capital contributions	(1,271,529)	(516,689)	(754,840)
Capital Contributions			
Grants from US Government	72,633	3,311,071	(3,238,438)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	72,633	3,311,071	(3,238,438)
Change in Net Assets	(1,198,896)	2,794,383	(3,993,279)
Debt Service Calculation			
Earnings From Operations	1,181,515	2,006,819	
System Development Charge	(14,104)	(77,442)	
Retiree COLA	51,833	48,546	
Interest/Investment Income	839	29,550	
Depreciation	2,252,625	1,855,919	
Balance Available for Debt Service per Section 6.12	3,472,709	3,863,393	
Debt Service			
Principal	812,083	772,500	
Interest	1,976,089	1,996,663	
Total	2,788,172	2,769,163	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.25	1.40	

*Interim budget

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

SCHEDULE E

	Year to Date Actual (Unaudited) October-21	Actual (Unaudited) October-20	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	5,307,696	5,240,912	66,785
Wastewater Revenues	2,567,600	2,580,033	(12,433)
Legislative Surcharge	239,829	236,103	3,727
Other Revenues	36,512	16,911	19,600
System Development Charge	14,104	99,777	(85,673)
Total Operating Revenues	8,165,741	8,173,736	(7,994)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	500,000	500,000	0
Power Purchases	1,312,892	988,701	324,191
Total Utility Costs	1,812,892	1,488,701	324,191
Salaries and Wages	1,485,059	1,547,161	(62,102)
Pension and Benefits	579,281	588,460	(9,179)
Total Salaries and Benefits	2,064,340	2,135,621	(71,281)
Capitalized Labor and Benefits	(333,000)	(332,775)	(225)
Net Salaries and Benefits	1,731,340	1,802,846	(71,506)
Administrative and General Expenses			
Sludge removal	54,403	134,485	(80,082)
Chemicals	107,860	124,795	(16,935)
Materials & Supplies	97,638	86,379	11,259
Transportation	71,038	34,136	36,902
Communications	6,272	7,333	(1,061)
Claims	18,173	-	18,173
Insurance	79,937	78,330	1,607
Training & Travel	3,007	-	3,007
Advertising	2,700	4,671	(1,971)
Miscellaneous	99,084	80,563	18,521
Regulatory Expense	15,236	8,958	6,278
Bad Debts Provision	154,407	161,138	(6,731)
Total Administrative and General Expense	709,753	720,787	(11,034)
Depreciation Expense	2,252,625	2,117,486	135,139
Contractual Expense			
Audit & Computer Maintenance	58,968	94,319	(35,351)
Building rental	41,479	37,471	4,008
Equipment rental	41,757	27,387	14,370
Legal	-	-	-
Laboratory	14,813	7,500	7,313
Other	75,040	80,658	(5,618)
Total Contractual Expense	232,058	247,335	(15,278)
Retiree Supp. Annuities and health care costs	193,725	201,273	(7,548)
Contribution to Government of Guam	51,833	50,333	1,500
Total Retiree Benefits	245,558	251,606	(6,048)
Total Operating Expenses	6,984,226	6,628,762	355,464
Earnings (Loss) from Operations	1,181,515	1,544,973	(363,458)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,617	2,118	499
Interest Income - Other Funds	839	600	239
Interest Income - SDC	254	7,981	(7,727)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,441,367)	(2,559,639)	118,272
Interest Expense - ST BOG	-	-	-
Contributions from Federal Government	-	-	-
Federal Expenditures	-	27,176	(27,176)
Loss on Asset Disposal	-	-	-
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	154,599	1,750
Defeasance due to bond refunding	(171,399)	(172,097)	699
Deferred outflows from pension	-	-	-
Prior Year Adjustment	(339)	-	(339)
Total non-operating revenues (expenses)	(2,453,044)	(2,539,263)	86,219
Net Income (Loss) before capital contributions	(1,271,529)	(994,290)	(277,239)
Capital Contributions			
Grants from US Government	72,633	13,928	58,705
Grants from GovGuam & Others	-	7,106	(7,106)
Total Capital Contributions	72,633	21,034	51,600
Change in Net Assets	(1,198,896)	(973,256)	(225,640)
Debt Service Calculation			
Earnings From Operations	1,181,515	1,544,973	
System Development Charge	(14,104)	(99,777)	
Retiree COLA	51,833	50,333	
Interest/Investment Income	839	600	
Depreciation	2,252,625	2,117,486	
Balance Available for Debt Service per Section 6.12	3,472,709	3,613,615	
Working Capital Reserve Available for Debt Service	-	-	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	3,472,709	3,613,615	
Debt Service			
Principal	812,083	772,500	
Interest	1,976,089	1,847,251	
Total	2,788,172	2,619,751	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.38	
Debt Service Coverage (1.40X) (PUC)	1.25	1.38	

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

SCHEDULE F

Funding Summary

Total available project funds	\$ 14,809,126
Total project expenditures and encumbrances	10,420,561
Total unobligated project funds	\$ 4,388,565

Projects Funded

Project Description	Expenditures	Outstanding Encumbrances	Expenditures and Encumbrances
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006.23	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,151,116.44	2,854.37	1,153,971
Central Guam Reservoirs	274,240.36	5,799.64	280,040
Line Replacement Phase IV	256,937.00	-	256,937
Northern DWWTP	1,051,832.76	4,400,785.77	5,452,619
Northern DWWTP (Land Purchase)	1,000,000.00	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	519,227.37	74,641.43	593,869
South Paulino Heights Waterline Upgrade	84,055.81	4,714.38	88,770
Talofofo Sewer Improvement	-	241,141.80	241,142
Umatac Merizo WWTP	-	0.01	0.01
Groundwater Well Production Meter Rep.	113,543.10	37,664.17	151,207
	\$ 5,652,959	\$ 4,767,602	\$ 10,420,561

Future planned projects

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

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2022

SCHEDULE G

Description	Unaudited October 31, 2021	Unaudited September 30, 2021	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	4,430	4,430	-
BOG Deposit Accounts	9,433,501	11,783,670	(2,350,169)
BOG O & M Reserve	13,863,619	13,863,240	379
BOG CapEx Fund	9,176,535	9,391,290	(214,755)
Sub-total Unrestricted	32,480,085	35,044,630	(2,564,545)
RESTRICTED			
ANZ Bank	484	1,374	(890)
Bank Pacific	12,395	13,720	(1,325)
Bank of Hawaii	145,199	187,857	(42,657)
Community First FCU	1,497	2,897	(1,401)
First Hawaiian Bank	21,779	28,808	(7,029)
Bank Pacific Surcharge	628,097	346,165	281,932
Bank Pacific Escrow Deposit	905,936	905,936	-
BOG Customer Refunds	2,134,491	2,101,144	33,347
BOG Emergency Reserve Fund	6,245	6,245	-
BOG Sewer Hookup Revolving Fund	61,419	61,318	102
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	300,872	902,327	(601,455)
BOG Revenue Trust Fund	6,116,244	7,604,696	(1,488,452)
BOG Capital Improvement Revenue Fund	6,879,702	6,017,960	861,742
BOG Rate Stabilization Fund	11,400,000	11,400,000	-
	31,697,843	32,663,929	(966,087)
BOG - SDC Deposit	3,973,919	4,512,282	(538,363)
BOG - SDC CDs	5,500,000	5,250,000	250,000
Total SDC	9,473,919	9,762,282	(288,363)
Total Restricted	41,171,762	42,426,211	(1,254,450)
Reserve Funds			
BOG Series 2013 Construction Fund	4,566,747	4,566,711	36
BOG Series 2014 Refunding Construction Fund	0	-	0
BOG Series 2016 Construction Fund	56,499,528	56,620,524	(120,996)
BOG Series 2017 Refunding Construction Fund	4,368,752	4,368,640	113
BOG Series 2020A Construction Fund	122,037,984	-	122,037,984
BOG Series 2020A Capitalized Interest Fund	5,584,625	122,317,770	(116,733,145)
BOG Series 2020A Cost of Issuance Fund	-	5,584,579	(5,584,579)
B20B- BOG COI Fund 184000	-	-	-
Total Restricted - Held by Trustee	193,057,636	193,458,224	(400,587)
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	1,750,616	1,396,665	353,951
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	1,363,541	1,048,078	315,463
USB Series 2014 Refunding Debt Service Reserve Fund	7,737,048	7,736,844	205
USB Series 2016 Debt Service Fund	3,733,832	2,816,611	917,221
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,558	31,558	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	2,520,727	1,903,114	617,613
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	1,963,688	1,472,780	490,908
Total Investments	70,374,071	67,678,709	2,695,361
Total Restricted and Unrestricted Cash	337,083,554	338,607,774	(1,524,221)

GWA Work Session - November 16, 2021 - GM REPORT

Guam Waterworks Authority
Accounts Receivable - Government (Active)
October 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	\$ 17,014	\$ 21,672	\$ 19,077	\$ 13,219	\$ 243,277	\$	314,259
Guam Power Authority	25	150,436	150	-	-	-		150,586
Guam Memorial Hospital Authority	3	42,500	46,271	150	150	13,555		102,627
Guam Housing & Urban Renewal Authority	9	9,817	336	-	509	1,306		11,967
Port Authority Of Guam	5	1,274	-	-	-	-		1,274
Guam Housing Corporation	1	29	-	-	-	-		29
								-
Total Autonomous Agencies	50	\$ 221,070	\$ 68,430	\$ 19,227	\$ 13,878	\$ 258,138	\$	580,743
		38.07%	11.78%	3.31%	2.39%	44.45%		100.00%
Line Agencies								
Department of Education	52	\$ 359,491	\$ 368,402	\$ 270,974	\$ 385,189	\$ 20,671	\$	1,404,727
Department of Parks & Recreation	14	66,437	43,065	17,531	3,822	4,374		135,229
Mayors Council Of Guam	61	19,630	6,217	1,642	2,175	93,633		123,297
University Of Guam	48	61,058	61,473	-	-	-		122,531
Department of Corrections	8	65,557	-	-	-	-		65,557
Department of Public Works	11	19,062	24,460	54	703	6,396		50,675
Guam Police Department	8	4,708	5,537	2,090	3,509	1,963		17,806
Department of Public Health & Social Services	8	6,701	3,267	1,975	369	58		12,371
Department of Chamorro Affairs	7	9,212	-	-	-	-		9,212
Guam Fire Department	11	6,425	-	-	-	-		6,425
Department of Agriculture	6	6,145	26	-	-	-		6,172
Office Of The Governor	2	3,761	-	-	-	-		3,761
Sanctuary Inc	1	3,420	-	-	-	-		3,420
New Guam Mental Health	1	1,627	1,546	-	-	-		3,173
Guam Veterans Affairs Office	2	903	816	1,357	6	-		3,082
Department of Military Affairs/GUARNG	1	2,820	-	-	-	-		2,820
Department of Youth Affairs	3	1,119	1,039	95	-	-		2,253
Guam Solid Waste Authority	3	888	946	-	-	-		1,833
Division of Senior Citizens, DPHS&S	2	303	253	192	184	144		1,076
Office of Technology	1	134	116	734	-	-		984
Department of Customs & Quarantine	1	428	389	-	-	-		817
Guam Energy Office	1	202	185	204	-	-		591
Department of Mental Health	2	519	-	-	-	-		519
Guam Police Dept	2	248	240	-	24	-		512
Guam Public Library	6	396	-	-	-	-		396
Department of Mental Health and Substance	1	335	-	-	-	-		335
Department of Administration	3	324	-	-	-	-		324
Guam Visitors Bureau	2	295	-	-	-	-		295
Department of Agriculture-Fisheries	1	134	115	-	-	-		250
Merizo Mayor	1	82	66	37	62	-		248
Guam Environmental Protection Agency	2	203	-	-	-	-		203
The Office of the Dededo Mayor	1	107	-	-	-	-		107
Agat Mayor's Office	1	47	-	-	-	-		47
Total Line Agencies	274	\$ 642,721	\$ 518,161	\$ 296,885	\$ 396,042	\$ 127,238	\$	1,981,047
		32.44%	26.16%	14.99%	19.99%	6.42%		100.00%
Total as of October 31, 2021 (Active)	324	\$ 863,791	\$ 586,590	\$ 316,112	\$ 409,920	\$ 385,376	\$	2,561,789
		33.72%	22.90%	12.34%	16.00%	15.04%		100.00%

GWA Work Session - November 16, 2021 - GM REPORT

GUAM WATERWORKS AUTHORITY
Accounts Receivable Aging Summary by Rate Class
As of October 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	434	\$ 2,043,043	\$ 547,707	\$ 552,131	\$ 356,299	\$ 476,595	\$ 3,975,774	19%	
Agriculture	407	21,658	3,212	1,923	2,527	32,242	61,561	0%	
Commercial I	2,621	1,156,036	125,275	38,029	19,798	428,990	1,768,128	9%	
Commercial II	34	281,657	-	-	-	1,092	282,748	1%	
Commercial III	301	592,296	100,898	81,196	10,614	283,613	1,068,617	5%	
Golf Course	15	6,279	-	-	-	-	6,279	0%	
Hotel	58	1,206,271	156,529	128,705	11,685	665,926	2,169,116	11%	
Irrigation	33	2,959	343	270	151	1,327	5,049	0%	
Residential	48,056	4,518,309	757,672	622,066	508,990	4,646,996	11,054,032	54%	
	51,959	9,828,507	1,691,635	1,424,320	910,063	6,536,781	20,391,306	100%	
		48%	8%	7%	4%	32%			
Less Allowance for Doubtful Accounts:								(8,747,124)	
Net Accounts Receivable:								11,644,182	
Days Receivables Outstanding								43	

As of September 30, 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	434	\$ 1,688,453	\$ 636,603	\$ 378,912	\$ 184,219	\$ 445,850	\$ 3,334,036	17%	
Agriculture	406	18,736	5,278	3,953	1,552	31,221	60,740	0%	
Commercial I	2,615	1,183,338	69,626	36,523	29,742	418,976	1,738,204	9%	
Commercial II	34	239,786	-	-	1,092	-	240,878	1%	
Commercial III	300	579,396	84,943	19,094	5,372	275,318	964,123	5%	
Golf Course	16	7,398	-	-	-	-	7,398	0%	
Hotel	58	1,359,094	156,252	61,532	45,673	656,556	2,279,106	12%	
Irrigation	33	3,431	360	321	134	1,443	5,690	0%	
Residential	47,895	4,495,282	950,896	682,427	403,951	4,529,752	11,062,308	56%	
	51,791	9,574,914	1,903,958	1,182,761	671,735	6,359,116	19,692,482	100%	
		49%	10%	6%	3%	32%			
Less Allowance for Doubtful Accounts:								(8,584,821)	
Net Accounts Receivable:								11,107,660	
Days Receivables Outstanding								43	

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	434	\$ 2,043,043	\$ 547,574	\$ 552,131	\$ 356,299	\$ 476,595	\$ 3,975,641	25%	
Agriculture	384	21,549	3,101	1,461	1,319	5,112	32,542	0%	
Commercial I	2,460	1,155,475	122,463	35,927	10,267	264,630	1,588,762	10%	
Commercial II	33	281,657	-	-	-	-	281,657	2%	
Commercial III	288	592,296	100,898	81,196	10,614	229,495	1,014,499	6%	
Golf Course	15	4,555	-	-	-	-	4,555	0%	
Hotel	55	1,173,064	120,097	88,346	11,685	180,796	1,573,988	10%	
Irrigation	32	2,959	343	270	151	32	3,754	0%	
Residential	40,006	4,480,111	642,214	395,148	215,919	1,592,097	7,325,490	46%	
	43,707	9,754,706	1,536,688	1,154,480	606,254	2,748,758	15,800,887	100%	
		62%	10%	7%	4%	17%			
Less Allowance for Doubtful Accounts:								(8,747,124)	
Net Accounts Receivable:								7,053,763	

As of September 30, 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	434	\$ 1,688,453	\$ 636,603	\$ 378,912	\$ 184,219	\$ 445,850	\$ 3,334,036	21%	
Agriculture	384	18,108	4,853	2,795	744	5,464	31,964	0%	
Commercial I	2,456	1,180,578	67,671	25,629	21,955	264,027	1,559,859	10%	
Commercial II	33	239,786	-	-	-	-	239,786	2%	
Commercial III	287	579,396	84,943	14,014	5,372	226,279	910,004	6%	
Golf Course	16	7,398	-	-	-	-	7,398	0%	
Hotel	56	1,359,094	156,252	61,532	45,673	532,245	2,154,796	14%	
Irrigation	32	3,431	360	321	134	148	4,394	0%	
Residential	39,932	4,380,432	723,188	356,665	272,849	1,640,984	7,374,118	47%	
	43,630	9,456,675	1,673,871	839,867	530,946	3,114,997	15,616,356	100%	
		61%	11%	5%	3%	20%			
Less Allowance for Doubtful Accounts:								(8,584,821)	
Net Accounts Receivable:								7,031,534	

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			
October 31, 2021	\$ 2,564,736 66%	\$ 624,755 16%	\$ 97,771 3%	\$ 210,191 5%	\$ 382,891 10%	\$ 3,880,345 100%			37
September 30, 2021	\$ 2,149,072 82%	\$ 145,056 6%	\$ 55,956 2%	\$ 19,984 1%	\$ 249,782 10%	\$ 2,619,850 100%			31
August 31, 2021	\$ 3,022,574 74%	\$ 388,262 10%	\$ 248,030 6%	\$ 110,845 3%	\$ 302,326 7%	\$ 4,072,038 100%			38

GUAM WATERWORKS AUTHORITY
WATER DEMAND BY RATE CLASS
FY2015 - FY2022

SCHEDULE K

CLASS	AUDITED						UNAUDITED		
	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	FY2020 TOTAL CONSUMPTION (kGal)	FY2021 TOTAL CONSUMPTION (kGal)	FY2022 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	3,712,723	3,622,617	3,587,155	-1%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	792,360	1%
F Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,404	-32%
G Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	421,194	4%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	374,006	-17%
G Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	3,668	28%
A Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	53,072	-23%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	<u>8,654</u>	<u>5,404</u>	<u>2,773</u>	-49%
GRAND TOTAL	<u>6,036,620</u>	<u>6,033,960</u>	<u>5,711,790</u>	<u>5,758,590</u>	<u>5,855,091</u>	<u>5,757,733</u>	<u>5,339,864</u>	<u>5,235,632</u>	-2%



Financial Statement Overview September 2021

There were 4,482 COVID-19 positive tests and 48 COVID-related fatalities reported during the month of September which were more than 30% of the totals for the fiscal year. Executive Order 2021-24 extended the public health emergency to October 29, 2021. While the island successfully vaccinated 119,436 persons or 87.63% of the eligible population (includes 12 - 15-year-olds) by the end of September, the delta variant caused a huge increase in positive COVID tests.

On September 30, 2021, the island's COVID Area Risk (CAR) score was 24.0 and testing was available to the public at no charge at various locations throughout the island. For the month of September 2021, the average daily positive test rate was 149.

On September 22, 2021, the U.S. Food & Drug Administration authorized a booster shot of the Pfizer COVID 19 vaccine at least 6 months after the second injection for the elderly and others at high risk. Through September, GovGuam, pharmacies and clinics made available free COVID 19 vaccines in a variety of locations, the UOG Fieldhouse was reopened for vaccines

Despite the pandemic, while only 7% of payments are made in cash, more than a third of payments continue to be made in person. Beginning in August, ratepayers were able to access one walkup window in Upper Tumon to make payments; the drive through continues to remain open.

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

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

Month	Customer Count	Amount Paid	Fees	% Of Fees to Payments
May – September 2020	140	\$241,335	\$4,952	2.05%
October – December 2020	100	\$194,764	\$3,916	2.01%
January – March 2021	122	\$272,887	\$5,487	2.01%
April – June 2021	150	\$333,368	\$6,703	2.01%
July 2021	50	\$106,497	\$2,141	2.01%
August 2021	50	\$108,550	\$2,183	2.01%
September 2021	54	\$103,220	\$2,075	2.01%

Since the suspension of disconnections for nonpayment was lifted, the Upper Tumon office has been open for payments on Saturdays. For the Saturdays in September, 215 payments totaling \$36,865 were made towards GWA billings and 337 payments totaling \$118,450 were made for GPA. Note that the office was closed on September 18, 2021, due to IT maintenance.



For the month of September, Finance posted \$24,221.43 utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP) funded through the second federal relief act. Total GERAP payments received in FY21 were \$303,893.58. Customer Service is working with DOA to ensure that residents who qualify for the program are not disconnected while payments are in process. Once funding becomes available, DOA will also administer the homeowner assistance program which also includes assistance for utilities.

While utility assistance programs will likely be available for ratepayers through next year, September 4 marked the end of the federal-funded Pandemic Unemployment Assistance and Federal Pandemic Unemployment Compensation programs. Eligible Guam residents were able to apply for the \$800 RISE Act payments in September.

PUC Docket

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

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

On October 4, 2021, the PUC Consultants asked for an extension of their deadline to submit testimony. On October 7, 2021, the ALJ issued a Third Amended Scheduling Order moving the deadline for the PUC Consultant's testimony to October 22, 2021, and the date for the ALJ Report and Proposed Order to November 22, 2021. PUC public hearings were held November 3, 4 and 5, 2021 and evidentiary hearings held on November 8 and 9, 2021.

A special meeting of the PUC on the Financial Plan Update is scheduled for December 23, 2021. Changes to the rate design and / or rates will likely not occur until January 2022.

Rate Stabilization Fund

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

FY22 Budget

The FY22 budget was loaded into E1 prior to the end of FY21 to allow business units to key in critical requisitions. Budget reports are provided to the various divisions twice a week to assist them in managing expenses. A request to modify the budget will be made once the PUC order on rates for FY22 has been issued.

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



Water and Wastewater Consumption

Compared to last year, water consumption is down 4% and wastewater flows are up 10% for the month of September. With regard to water consumption, Commercial 3 demand more than doubled and hotel demand was up 65% while residential demand was down 18%.

Year to Date (YTD) water and wastewater demand were down 7% and 5% respectively compared to last year. Except for the Federal Government which increased 55% and Commercial 1 which increased 1%, water demand in all other customer classes decreased. Wastewater flows decreased for most customer classes with the exception of small increases, 1-2%, in the residential, Commercial 1 and GovGuam classes. Note that the number of YTD billing days for 2021 is 4 days less than 2020.

YTD average daily water consumption for the period is down 7% from 15,818 to 14,833 kgals. YTD average daily water consumption for the residential class decreased by 1%, from 10,200 to 10,063 kgals. The largest drop in YTD average daily water consumption was in the hotel class, a 58% drop going from 1,962 to 1,245 kgals. While the average daily consumption drop for Golf Courses was 78%, this drop was 6 kgals, from 14 to 8 kgals.

Most schools returned to some form of face-to-face learning for K5 through 12 grades. While GCC resumed in person classes, UOG will continue in person and virtual classes. See Schedule K for Water Demand for FY2015 to FY2021.

There were 5,735 visitors in September, with a FY2021 year-end total of 61,607. Although pre-pandemic visitor arrivals are not to be met until 2023 or 2024, the Guam Visitors Bureau remains hopeful and continues to lay the groundwork for a successful return. GVB is forecasting visitor arrivals to number between 85,000 and 130,000 in FY2022.

Balance Sheet (Schedule A)

- Total Assets & Deferred Outflows of Resources of \$1.152B in September 2020 increased by \$49.4M or 4% in September 2021 to \$1.202B. Current Assets increased by \$3.7M primarily due to increases in restricted cash and federal accounts receivable offset by decreases in unrestricted cash. Property, Plant and Equipment increased by \$71M. Other Noncurrent Assets decreased by \$24.7M due to reductions in restricted cash. Days Cash on Hand was calculated at 253 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 \$5.8M or 1% to \$883.3M in September 2021 primarily due to reductions in bonds payable offset by increases in interest payable and contractors' payable.
- Accounts Receivable days went down 2 days from 45 days in August to 43 days in September 2021. Accounts Payable days were 31 days in September, down one day as compared to August 2021. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

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

- Total Operating Revenues for September 2021 of \$9.0M were 5% or \$474K less than budget of \$9.5M. Operating Revenues for September 2021 were 15% or \$1.2M more than September 2020's \$7.8M as businesses begin to open due to the relaxation of public health emergency restrictions as well as the 5% rate increase effective in October 2020.



- Year to Date Operating Revenues as of September 2021 of \$101.7M were 11% or \$12.1M below budget of \$113.7M and \$3.6M or 3% below Year-to-Date Operating Revenues in September 2020 of \$105.3M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2021 and FY2020 Year to Date as of September as well as the revenue totals:

Customer Class	FY2021		FY2020	
o Residential	\$48,911,856	49.13%	\$47,416,808	45.62%
o Commercial	\$21,011,338	21.10%	\$20,829,765	20.04%
o Hotel	\$13,059,732	13.12%	\$19,394,228	18.66%
o Government of Guam	\$10,054,602	10.10%	\$9,546,804	9.18%
o Federal Government	\$5,983,110	6.01%	\$6,134,048	5.90%
o Agriculture, Golf Course, Irrigation	\$544,404	.55%	\$628,359	.60%
TOTALS	\$99,565,043	100%	\$103,950,013	100%

- Total Operating Expenses for September 2021 of \$8.17M were \$698K or 9% more than budget of \$7.5M. Total Operating Expenses for September 2021 were 24% or \$1.6M more than September 2020's \$6.58M. The largest increases month over month were in water and power purchases, pensions & benefits, chemicals and bad debt expense.
- Year to Date Operating Expenses in September 2021 of \$85.4M were \$4.2M or 5% lower than budget of \$89.6M. Year to Date Operating Expenses in September 2021 were \$2.97 or 3% less than last year's \$88.4M. The largest reductions in YTD expenditures year over year were in power and salaries & wages.
- Earnings from Operations for September 2021 of \$834K were 58% or \$1.2M less than the budget of \$2M and 34% or \$429K less than September 2020's \$1.3M. Change in Net Assets for September 2021 of \$13.6M was 386% or \$10.79M more than the \$2.8M budget and \$2.3M or 20% more than September 2020's \$11.3M. The increase in Change in New Assets month over month is primarily due to an increase in AFUDC (Allowance for Funds Used during Construction) and Amortization of Discount, Premium and Insurance Costs.
- Year to Date Earnings from Operations as of September 2021 of \$16.2M were 33% or \$7.8M less than budget of \$24.1M and 4% or \$663K less than YTD Earnings of \$16.9M as of September 2020. Year to Date Change in Net Assets as of September 2021 of \$55.3M were \$21.7M or 65% more than budget of \$33.5M. Year to Date Change in Net Assets as of September 2021 were \$6.5M lower than YTD of September 2020 of \$55.3M. The largest drops were in Federal Grants and interest expense.

**Key Financial Indicators**

Indicator	Target	Aug-21	Sept-21
DSC YTD			
• Per Section 6.12 of Indenture	1.25	1.35	1.31
• Per PUC / CCU	1.40	1.35	1.31
Days – Cash on Hand	120 days	309 days	253 days
Collection Ratio			
• Month to Date	99%	94%	89%
• Year to Date	99%	99%	99%
Days Billed	30 days	31 days	31 days
Account Receivable Days	30 days	45 days	43 days
Account Payable Days	45 days	38 days	31 days
Employee Count	400 FTE	372 FTE	369 FTE
Water Demand			
• Month to Date	478,754	443,188	452,667
• Year to Date	5,745,050	4,887,197	5,339,864
Wastewater Flow			
• Month to Date	356,472	332,271	338,425
• Year to Date	4,277,668	3,473,402	3,811,826
Water Customers	42,839	43,184	43,084
Wastewater Customers	29,805	29,796	29,897

GUAM WATERWORKS AUTHORITY
September 30, 2021
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY
Balance Sheet
September 30, 2021

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS of RESOURCES	Unaudited September 30, 2021	Audited September 30, 2020	Increase (Decrease)
<u>Current Assets</u>			
Cash			
Unrestricted (Schedule G)	35,044,630	42,479,412	(7,434,782)
Restricted Funds (Schedule G)	42,426,211	30,072,502	12,353,709
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$8,584,821 at Sept 30, 2021 and \$8,027,857 at Sept 30, 2020	11,107,662	12,562,296	(1,454,633)
Federal Receivable	10,580,310	8,168,373	2,411,937
Other Receivable	1,002,328	902,423	99,905
Prepaid Expenses	849,867	2,615,782	(1,765,914)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Sept 30, 2021 and \$64,131 at Sept 30, 2020	4,284,336	4,804,466	(520,129)
Total Current Assets	105,295,345	101,605,252	3,690,093
<u>Property, Plant and Equipment</u>			
Utility plant in service			
Water system	403,622,457	378,498,710	25,123,747
Wastewater system	501,499,254	481,549,640	19,949,614
Non-utility property	32,375,562	25,752,939	6,622,623
Total property	937,497,273	885,801,289	51,695,984
Less: Accumulated Depreciation	(366,753,343)	(343,128,759)	(23,624,584)
Land	5,240,187	5,240,187	-
Construction Work in Progress	193,283,555	150,323,347	42,960,208
Property, Plant and Equipment, net	769,267,673	698,236,064	71,031,609
<u>Noncurrent assets</u>			
Restricted cash (Schedule G)	193,458,224	219,203,039	(25,744,815)
Investments (Schedule G)	67,678,709	66,616,997	1,061,713
Total other noncurrent assets and deferred charges	261,136,933	285,820,035	(24,683,102)
Total Assets	1,135,699,951	1,085,661,352	50,038,599
Deferred outflows of resources			
Regulatory Assets	1,900,950	430,962	1,469,988
Debt defeasance due to bond refunding	31,286,637	33,351,801	(2,065,164)
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	1,201,807,621	1,152,364,198	49,443,423
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
<u>Current Liabilities</u>			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,840,000	150,000
Series 2014 Refunding Bond	555,000	530,000	25,000
Series 2016 Revenue Bond	4,055,000	3,860,000	195,000
Series 2017 Refunding Bond	2,145,000	2,040,000	105,000
Accounts Payable - Trade	2,727,400	2,932,379	(204,979)
Accrued and Other Liabilities	1,725,728	1,026,905	698,823
Interest Payable	7,324,101	6,304,598	1,019,503
Accrued Payroll and Employee Benefits	918,403	336,303	582,101
Current portion of employee annual leave	660,125	572,761	87,364
Contractors' Payable	26,183,731	23,311,295	2,872,436
Customer and Other Deposits	2,237,010	2,199,462	37,547
Total Current Liabilities	51,521,498	45,953,702	5,567,795
<u>Long Term Debt, less current maturities</u>			
Series 2013 Revenue Bond	21,510,000	24,500,000	(2,990,000)
Series 2014 Refunding Bond	64,055,000	64,610,000	(555,000)
Series 2016 Revenue Bond	134,975,000	139,030,000	(4,055,000)
Series 2017 Refunding Bond	103,180,000	105,325,000	(2,145,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	40,654,335	42,515,523	(1,861,188)
Net pension liability	54,387,676	54,387,676	-
Net OPEB obligation	84,163,331	84,163,331	-
Employee Annual Leave, Less Current Portion	1,185,813	1,222,548	(36,735)
Employee Sick Leave	1,339,208	1,226,702	112,506
Total Liabilities	857,046,861	863,009,482	(5,962,621)
Deferred inflows of resources:			
Contribution in Aid of Construction	244,720	67,608	177,112
Deferred inflows from pension	1,010,540	1,010,540	-
Deferred inflows from OPEB	25,015,789	25,015,789	-
Total Liabilities and Deferred Inflows of Resources	883,317,910	889,103,419	(5,785,510)
Net Assets	318,489,711	263,260,778	55,228,933
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,201,807,621	1,152,364,198	49,443,423

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

SCHEDULE B

	Month to Date		Variance
	Actual (Unaudited)	Budget*	Favorable /
	September-21	September-21	(Unfavorable)
OPERATING REVENUES			
Water Revenues	5,726,466	5,863,373	(136,907)
Wastewater Revenues	2,904,180	3,226,426	(322,246)
Legislative Surcharge	266,740	274,214	(7,474)
Other Revenues	51,323	35,895	15,428
System Development Charge	54,276	77,442	(23,166)
Total Operating Revenues	9,002,984	9,477,350	(474,365)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	569,589	594,609	25,020
Power Purchases	1,176,513	1,177,131	618
Total Utility Costs	1,746,102	1,771,740	25,638
Salaries and Wages	1,816,164	1,769,221	(46,943)
Pension and Benefits	762,685	606,991	(155,693)
Total Salaries and Benefits	2,578,849	2,376,212	(202,637)
Capitalized Labor and Benefits	(321,482)	(308,333)	13,148
Net Salaries and Benefits	2,257,367	2,067,879	(189,489)
Administrative and General Expenses			
Sludge removal	75,869	75,907	38
Chemicals	215,362	215,696	334
Materials & Supplies	104,498	104,935	437
Transportation	80,084	80,298	214
Communications	13,495	13,528	33
Claims	21,922	22,181	259
Insurance	79,937	80,685	748
Training & Travel	6,587	8,321	1,734
Advertising	19,152	19,346	194
Miscellaneous	106,341	106,396	55
Regulatory Expense	27,977	28,155	178
Bad Debts Provision	211,659	212,113	454
Total Administrative and General Expense	962,882	967,561	4,679
Depreciation Expense	2,417,996	1,855,919	(562,077)
Contractual Expense			
Audit & Computer Maintenance	129,651	129,904	253
Building rental	41,479	41,552	73
Equipment rental	53,385	53,524	140
Legal	-	363	363
Laboratory	74,240	74,382	143
Other	225,068	225,774	707
Total Contractual Expense	523,822	525,500	1,677
Retiree Supp. Annuities and health care costs	210,060	233,386	23,325
Contribution to Government of Guam	50,333	48,546	(1,787)
Total Retiree Benefits	260,394	281,932	21,538
Total Operating Expenses	8,168,563	7,470,530	(698,033)
Earnings (Loss) from Operations	834,421	2,006,820	(1,172,398)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,441	128,299	(125,858)
Interest Income - Other Funds	59,033	29,550	29,483
Interest Income - SDC	441	2,488	(2,046)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,441,367)	(2,638,329)	196,962
Contributions from Federal Government	-	-	-
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	509,036	-	509,036
Amortization of Discount, Premium and Issuance Costs	156,349	(23,078)	179,427
Defeasance due to bond refunding	(172,097)	(22,439)	(149,658)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	54,547	-	54,547
Total non-operating revenues (expenses)	(1,831,616)	(2,523,508)	691,892
Net Income (Loss) before capital contributions	(997,195)	(516,688)	(480,507)
Capital Contributions			
Grants from US Government	14,577,047	3,311,071	11,265,975
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	14,577,047	3,311,071	11,265,975
Change in Net Assets	13,579,852	2,794,383	10,785,469
Debt Service Calculation			
Earnings From Operations	834,421	2,006,820	
System Development Charge	(54,276)	(77,442)	
Retiree COLA	50,333	48,546	
Interest/Investment Income	59,033	29,550	
Depreciation	2,417,996	1,855,919	
Balance Available for Debt Service per Section 6.12	3,307,508	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)	1.26	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.26	1.40	

*Adjusted budget

GWA Work Session - November 16, 2021 - GM REPORT

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

SCHEDULE C

	Month to Date		Variance
	Actual (Unaudited)	Actual (Audited)	Increase /
	September-21	September-20	(Decrease)
OPERATING REVENUES			
Water Revenues	5,726,466	5,276,106	450,360
Wastewater Revenues	2,904,180	2,257,709	646,471
Legislative Surcharge	266,740	227,294	39,446
Other Revenues	51,323	21,420	29,903
System Development Charge	54,276	59,857	(5,581)
Total Operating Revenues	9,002,984	7,842,386	1,160,598
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	569,589	25,385	544,204
Power Purchases	1,176,513	984,143	192,370
Total Utility Costs	1,746,102	1,009,528	736,574
Salaries and Wages	1,816,164	1,789,780	26,384
Pension and Benefits	762,685	433,727	328,957
Total Salaries and Benefits	2,578,849	2,223,507	355,341
Capitalized Labor and Benefits	(321,482)	(293,728)	(27,754)
Net Salaries and Benefits	2,257,367	1,929,780	327,587
Administrative and General Expenses			
Sludge removal	75,869	95,633	(19,764)
Chemicals	215,362	78,828	136,534
Materials & Supplies	104,498	101,321	3,177
Transportation	80,084	90,041	(9,957)
Communications	13,495	12,361	1,134
Claims	21,922	3,643	18,279
Insurance	79,937	78,611	1,326
Training & Travel	6,587	-	6,587
Advertising	19,152	6,840	12,311
Miscellaneous	106,341	97,486	8,854
Regulatory Expense	27,977	8,319	19,658
Bad Debts Provision	211,659	111,650	100,009
Total Administrative and General Expense	962,882	684,734	278,148
Depreciation Expense	2,417,996	2,296,564	121,432
Contractual Expense			
Audit & Computer Maintenance	129,651	98,485	31,166
Building rental	41,479	37,471	4,008
Equipment rental	53,385	27,967	25,418
Legal	-	-	-
Laboratory	74,240	31,014	43,225
Other	225,068	195,442	29,626
Total Contractual Expense	523,822	390,380	133,443
Retiree Supp. Annuities and health care costs	210,060	215,480	(5,420)
Contribution to Government of Guam	50,333	50,333	0
Total Retiree Benefits	260,394	265,813	(5,419)
Total Operating Expenses	8,168,563	6,576,799	1,591,764
Earnings (Loss) from Operations	834,421	1,263,200	(428,779)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,441	2,571	(130)
Interest Income - Other Funds	59,033	1,037	57,997
Interest Income - SDC	441	3,380	(2,939)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,441,367)	(2,559,639)	118,272
Contributions from Federal Government	-	-	-
Federal Expenditures	-	(103,977)	103,977
Loss on Asset Disposal	-	-	-
AFUDC	509,036	-	509,036
Amortization of Discount, Premium and Issuance Costs	156,349	(1,475,322)	1,631,671
Defeasance due to bond refunding	(172,097)	(172,544)	447
Deferred outflows from pension	-	-	-
Prior Year Adjustment	54,547	353,188	(298,641)
Total non-operating revenues (expenses)	(1,831,616)	(3,951,307)	2,119,690
Net Income (Loss) before capital contributions	(997,195)	(2,688,107)	1,690,912
Capital Contributions			
Grants from US Government	14,577,047	13,910,396	666,651
Grants from GovGuam & Others	-	85,506	(85,506)
Total Capital Contributions	14,577,047	13,995,902	581,145
Change in Net Assets	13,579,852	11,307,795	2,272,057
Debt Service Calculation			
Earnings From Operations	834,421	1,263,200	
System Development Charge	(54,276)	(59,857)	
Retiree COLA	50,333	50,333	
Interest/Investment Income	59,033	1,037	
Depreciation	2,417,996	2,296,564	
Balance Available for Debt Service per Section 6.12	3,307,508	3,551,277	
Working Capital Reserve Available for Debt Service	-	-	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	3,307,508	3,551,277	
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)	1.26	1.25	
Debt Service Coverage (1.40X) (PUC)	1.26	1.25	

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

SCHEDULE D

	Year to Date		Variance
	Actual (Unaudited)	Budget*	Favorable /
	September-21	September-21	(Unfavorable)
OPERATING REVENUES			
Water Revenues	64,925,611	70,360,478	(5,434,867)
Wastewater Revenues	31,696,436	38,717,108	(7,020,672)
Legislative Surcharge	2,942,995	3,290,570	(347,575)
Other Revenues	502,315	430,737	71,578
System Development Charge	1,596,459	929,304	667,155
Total Operating Revenues	101,663,816	113,728,198	(12,064,381)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	6,615,983	8,623,306	2,007,323
Power Purchases	12,507,537	12,985,577	478,040
Total Utility Costs	19,123,520	21,608,883	2,485,363
Salaries and Wages	19,290,134	21,230,648	1,940,515
Pension and Benefits	7,272,190	7,283,896	11,706
Total Salaries and Benefits	26,562,323	28,514,544	1,952,221
Capitalized Labor and Benefits	(3,857,779)	(3,700,000)	157,779
Net Salaries and Benefits	22,704,545	24,814,544	2,110,000
Administrative and General Expenses			
Sludge removal	1,415,293	1,582,885	167,592
Chemicals	2,124,444	2,222,346	97,902
Materials & Supplies	1,425,390	1,740,224	314,834
Transportation	519,743	520,572	830
Communications	159,074	174,340	15,267
Claims	89,628	90,168	540
Insurance	956,589	957,224	635
Training & Travel	34,926	351,850	316,924
Advertising	86,704	136,152	49,448
Miscellaneous	1,205,376	1,205,754	378
Regulatory Expense	260,410	289,857	29,447
Bad Debts Provision	1,991,300	1,991,358	58
Total Administrative and General Expense	10,268,875	11,262,731	993,856
Depreciation Expense	25,975,699	22,271,032	(3,704,668)
Contractual Expense			
Audit & Computer Maintenance	1,322,097	1,324,848	2,750
Building rental	497,007	497,223	216
Equipment rental	288,743	839,291	550,548
Legal	-	6,752	6,752
Laboratory	413,716	424,587	10,872
Other	1,701,284	3,213,293	1,512,009
Total Contractual Expense	4,222,847	6,305,994	2,083,147
Retiree Supp. Annuities and health care costs	2,526,955	2,800,628	273,673
Contribution to Government of Guam	604,000	582,552	(21,448)
Total Retiree Benefits	3,130,955	3,383,180	252,224
Total Operating Expenses	85,426,441	89,646,364	4,219,923
Earnings (Loss) from Operations	16,237,376	24,081,834	(7,844,458)
Interest Income - 2010/13/14/16/17/20 Series Bond	29,274	1,539,593	(1,510,319)
Interest Income - Other Funds	70,610	354,605	(283,995)
Interest Income - SDC	12,836	29,850	(17,014)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(29,886,520)	(31,659,950)	1,773,430
Contributions from Federal Government	188,768	-	188,768
Federal Expenditures	(130,939)	-	(130,939)
Loss on Asset Disposal	(1,093,328)	-	(1,093,328)
AFUDC	6,103,190	-	6,103,190
Amortization of Discount, Premium and Issuance Costs	1,874,438	(276,930)	2,151,368
Defeasance due to bond refunding	(2,065,164)	(269,263)	(1,795,901)
Prior Year Adjustment	151,364	-	151,364
Total non-operating revenues (expenses)	(24,745,471)	(30,282,095)	5,536,624
Net Income (Loss) before capital contributions	(8,508,096)	(6,200,261)	(2,307,835)
Capital Contributions			
Grants from US Government	63,729,923	39,732,857	23,997,066
Grants from GovGuam & Others	7,106	-	7,106
Total Capital Contributions	63,737,028	39,732,857	24,004,171
Change in Net Assets	55,228,933	33,532,596	21,696,336
Debt Service Calculation			
Earnings From Operations	16,237,376	24,081,834	
System Development Charge	(1,596,459)	(929,304)	
Retiree COLA	604,000	582,552	
Interest/Investment Income	70,610	354,605	
Depreciation	25,975,699	22,271,032	
Balance Available for Debt Service per Section 6.12	41,291,226	46,360,718	
Debt Service			
Principal	9,270,000	9,270,000	
Interest	22,167,017	23,959,950	
Total	31,437,017	33,229,950	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.31	1.40	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.31	1.40	

*Adjusted budget

GWA Work Session - November 16, 2021 - GM REPORT

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

SCHEDULE E

	Year to Date		Variance
	Actual (Unaudited)	Actual (Audited)	Increase /
	September-21	September-20	(Decrease)
OPERATING REVENUES			
Water Revenues	64,925,611	66,131,935	(1,206,324)
Wastewater Revenues	31,696,436	34,655,406	(2,958,970)
Legislative Surcharge	2,942,995	3,162,771	(219,776)
Other Revenues	502,315	589,191	(86,877)
System Development Charge	1,596,459	756,038	840,421
Total Operating Revenues	101,663,816	105,295,342	(3,631,526)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	6,615,983	5,551,065	1,064,918
Power Purchases	12,507,537	14,118,145	(1,610,608)
Total Utility Costs	19,123,520	19,669,209	(545,690)
Salaries and Wages	19,290,134	20,744,654	(1,454,521)
Pension and Benefits	7,272,190	7,440,611	(168,422)
Total Salaries and Benefits	26,562,323	28,185,265	(1,622,942)
Capitalized Labor and Benefits	(3,857,779)	(3,993,300)	135,522
Net Salaries and Benefits	22,704,545	24,191,965	(1,487,420)
Administrative and General Expenses			
Sludge removal	1,415,293	1,277,885	137,407
Chemicals	2,124,444	1,817,213	307,232
Materials & Supplies	1,425,390	2,097,578	(672,189)
Transportation	519,743	606,260	(86,518)
Communications	159,074	153,371	5,702
Claims	89,628	134,529	(44,901)
Insurance	956,589	937,471	19,118
Training & Travel	34,926	137,912	(102,986)
Advertising	86,704	60,929	25,775
Miscellaneous	1,205,376	1,094,248	111,127
Regulatory Expense	260,410	317,344	(56,934)
Bad Debts Provision	1,991,300	2,033,768	(42,468)
Total Administrative and General Expense	10,268,875	10,668,509	(399,634)
Depreciation Expense	25,975,699	25,048,700	926,999
Contractual Expense			
Audit & Computer Maintenance	1,322,097	852,386	469,711
Building rental	497,007	440,879	56,128
Equipment rental	288,743	786,737	(497,994)
Legal	-	28,477	(28,477)
Laboratory	413,716	212,762	200,953
Other	1,701,284	2,113,844	(412,560)
Total Contractual Expense	4,222,847	4,435,085	(212,238)
Retiree Supp. Annuities and health care costs	2,526,955	3,777,255	(1,250,299)
Contribution to Government of Guam	604,000	604,000	(0)
Total Retiree Benefits	3,130,955	4,381,255	(1,250,299)
Total Operating Expenses	85,426,441	88,394,723	(2,968,282)
Earnings (Loss) from Operations	16,237,376	16,900,620	(663,244)
Interest Income - 2010/13/14/16/17/20 Series Bond	29,274	988,734	(959,460)
Interest Income - Other Funds	70,610	288,413	(217,803)
Interest Income - SDC	12,836	103,612	(90,776)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(29,886,520)	(27,392,688)	(2,493,832)
Interest Expense - ST BOG	-	(38,188)	38,188
Contributions from Federal Government	188,768	223,909	(35,141)
Federal Expenditures	(130,939)	(276,105)	145,166
Loss on Asset Disposal	(1,093,328)	(3,678,963)	2,585,634
AFUDC	6,103,190	6,008,368	94,822
Amortization of Discount, Premium and Issuance Costs	1,874,438	(2,802,174)	4,676,612
Defeasance due to bond refunding	(2,065,164)	(931,275)	(1,133,890)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	151,364	83,559	67,805
Total non-operating revenues (expenses)	(24,745,471)	(27,422,797)	2,677,325
Net Income (Loss) before capital contributions	(8,508,096)	(10,522,177)	2,014,081
Capital Contributions			
Grants from US Government	63,729,923	71,507,547	(7,777,625)
Grants from GovGuam & Others	7,106	741,824	(734,718)
Total Capital Contributions	63,737,028	72,249,371	(8,512,343)
Change in Net Assets	55,228,933	61,727,194	(6,498,261)
Debt Service Calculation			
Earnings From Operations	16,237,376	16,900,620	-
System Development Charge	(1,596,459)	(756,038)	-
Retiree COLA	604,000	604,000	-
Interest/Investment Income	70,610	288,413	-
Depreciation	25,975,699	25,048,700	-
Balance Available for Debt Service per Section 6.12	41,291,226	42,085,695	
Working Capital Reserve Available for Debt Service	-	-	-
Transfer to Working Capital - Debt Service Reserve	-	-	-
Transfer to Working Capital - O&M Reserve	-	-	-
Balance Available for Debt Service inclusive of reserves	41,291,226	42,085,695	
Debt Service			
Principal	9,270,000	8,770,000	-
Interest	22,167,017	25,405,188	-
Total	31,437,017	34,175,188	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.31	1.23	
Debt Service Coverage (1.40X) (PUC)	1.31	1.23	

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

SCHEDULE F

Funding Summary

Total available project funds	\$ 14,796,048
Total project expenditures and encumbrances	10,420,561
Total unobligated project funds	\$ 4,375,487

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	910,110	4,542,509	5,452,619
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.	2,987	148,220	151,207
	\$ 5,400,445	\$ 5,020,116	\$ 10,420,561

Future planned projects

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

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2021

SCHEDULE G

Description	Unaudited September 30, 2021	Audited September 30, 2020	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	4,430	4,450	(20)
BOG Deposit Accounts	11,783,670	5,561,165	6,222,506
BOG O & M Reserve	13,863,240	25,689,390	(11,826,150)
BOG CapEx Fund	9,391,290	11,222,407	(1,831,117)
Sub-total Unrestricted	35,044,630	42,479,412	(7,434,782)
RESTRICTED			
ANZ Bank	1,374	-	1,374
Bank Pacific	13,720	29,243	(15,523)
Bank of Hawaii	187,857	191,250	(3,394)
Community First FCU	2,897	1,976	922
First Hawaiian Bank	28,808	43,451	(14,643)
Bank Pacific Surcharge	346,165	420,680	(74,515)
Bank Pacific Escrow Deposit	905,936	842,331	63,604
BOG Customer Refunds	2,101,144	2,063,361	37,784
BOG Emergency Reserve Fund	6,245	6,243	-
BOG Sewer Hookup Revolving Fund	61,318	67,809	(6,491)
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	902,327	254,619	647,708
BOG Revenue Trust Fund	7,604,696	7,929,291	(324,595)
BOG Capital Improvement Revenue Fund	6,017,960	5,361,363	656,597
BOG Rate Stabilization Fund	11,400,000		11,400,000
	32,663,929	20,295,100	12,368,827
BOG - SDC Deposit	4,512,282	3,527,401	984,880
BOG - SDC CDs	5,250,000	6,250,000	(1,000,000)
Total SDC	9,762,282	9,777,401	(15,120)
Total Restricted	42,426,211	30,072,502	12,353,708
Reserve Funds			
BOG Series 2013 Construction Fund	4,566,711	8,647,934	(4,081,223)
BOG Series 2014 Refunding Construction Fund	-	219,099	(219,099)
BOG Series 2016 Construction Fund	56,620,524	68,518,206	(11,897,682)
BOG Series 2017 Refunding Construction Fund	4,368,640	6,206,732	(1,838,092)
BOG Series 2020A Construction Fund	122,317,770	-	122,317,770
BOG Series 2020A Capitalized Interest Fund	5,584,579	123,277,054	(117,692,475)
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	193,458,224	219,203,039	(25,744,815)
BOG OMRRRF Fund	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	1,396,665	1,810,544	(413,879)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	1,048,078	1,048,374	(296)
USB Series 2014 Refunding Debt Service Reserve Fund	7,736,844	7,735,395	1,449
USB Series 2016 Debt Service Fund	2,816,611	2,815,863	748
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,558	31,556	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	1,903,114	1,902,205	909
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	1,472,780	-	1,472,780
Total Investments	67,678,709	66,616,997	1,061,711
Total Restricted and Unrestricted Cash	338,607,774	358,371,949	(19,764,178)

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

SCHEDULE H

A G I N G								
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Autonomous Agencies (Active)								
Guam Int'l Airport Authority	7	\$ 21,672	\$ 25,845	\$ 6,451	\$ 6,451	\$ 236,826	\$	297,245
Guam Power Authority	25	176,231	4,314	150	-	-		180,696
Guam Memorial Hospital Authority	3	47,048	41,939	150	150	13,555		102,843
Guam Housing & Urban Renewal Authority	9	2,361	257	252	389	1,207		4,466
Port Authority of Guam	5	1,846	-	-	-	-		1,846
Total Autonomous Agencies	49	\$ 249,158	\$ 72,355	\$ 7,004	\$ 6,991	\$ 251,588	\$	587,096
		42.44%	12.32%	1.19%	1.19%	42.85%		100.00%
Line Agencies								
Department of Education	52	\$ 368,402	\$ 318,071	\$ 359,285	\$ 169,564	\$ 798	\$	1,216,120
Mayors Council of Guam	61	16,612	5,282	2,315	1,271	95,222		120,701
Department of Parks & Recreation	14	60,560	21,078	4,772	348	2,819		89,577
Department of Corrections	8	68,667	-	-	-	-		68,667
University of Guam	48	68,370	-	-	-	-		68,370
Department of Public Works	11	25,551	1,996	703	95	6,450		34,795
Department of Chamorro Affairs	7	19,112	-	-	-	-		19,112
Guam Police Department	8	5,442	4,419	4,155	3,137	798		17,950
Office of the Governor	2	5,782	4,215	-	-	-		9,997
Guam Fire Department	11	5,780	512	-	-	-		6,292
Department of Public Health & Social Services	8	3,370	2,222	356	163	-		6,112
Department of Agriculture	6	5,800	26	-	-	-		5,826
New Guam Mental Health	1	2,017	1,546	-	-	-		3,563
Sanctuary Inc	1	3,413	-	-	-	-		3,413
Department of Military Affairs/GUARNG	1	3,175	-	-	-	-		3,175
Department of Youth Affairs	3	1,121	1,134	-	-	-		2,254
Guam Veterans Affairs Office	2	816	1,357	6	-	-		2,179
Guam Solid Waste Authority	3	1,050	-	-	-	-		1,050
Office of Technology	1	116	850	-	-	-		966
Department of Customs & Quarantine	1	428	389	-	-	-		817
Division of Senior Citizens, DPHS&S	2	253	192	184	144	-		773
Office of Civil Defense	2	405	303	-	-	-		707
Guam Public Library	6	619	-	-	-	-		619
Guam Police Dept	2	266	194	70	-	-		530
Department of Mental Health	2	511	-	-	-	-		511
Guam Environmental Protection Agency	2	457	-	-	-	-		457
Department of Mental Health and Substance	1	346	-	-	-	-		346
Department of Administration	3	199	75	-	-	-		274
Guam Energy Office	1	204	-	-	-	-		204
Merizo Mayor	1	66	37	62	-	-		165
The Office of the Dededo Mayor	1	130	-	-	-	-		130
Department of Agriculture-Fisheries	1	115	-	-	-	-		115
Agat Mayor's Office	1	56	-	-	-	-		56
Total Line Agencies	274	\$ 669,213	\$ 363,897	\$ 371,908	\$ 174,722	\$ 106,087	\$	1,685,828
		39.70%	21.59%	22.06%	10.36%	6.29%		100.00%
Total as of September 30, 2021 (Active)	323	\$ 918,372	\$ 436,252	\$ 378,912	\$ 181,712	\$ 357,675	\$	2,272,924
		40.40%	19.19%	16.67%	7.99%	15.74%		100.00%

GWA Work Session - November 16, 2021 - GM REPORT

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

SCHEDULE I

ACTIVE AND INACTIVE

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 1,688,453	\$ 636,603	\$ 378,912	\$ 184,219	\$ 445,850	\$ 3,334,036	17%	
Agriculture	406	18,736	5,278	3,953	1,552	31,221	60,740	0%	
Commercial I	2,615	1,183,338	69,626	36,523	29,742	418,976	1,738,204	9%	
Commercial II	34	239,786	-	-	1,092	-	240,878	1%	
Commercial III	300	579,396	84,943	19,094	5,372	275,318	964,123	5%	
Golf Course	16	7,398	-	-	-	-	7,398	0%	
Hotel	58	1,359,094	156,252	61,532	45,673	656,556	2,279,106	12%	
Irrigation	33	3,431	360	321	134	1,443	5,690	0%	
Residential	47,895	4,495,282	950,896	682,427	403,951	4,529,752	11,062,310	56%	
	51,791	9,574,914	1,903,958	1,182,761	671,735	6,359,116	19,692,484	100%	
		49%	10%	6%	3%	32%			

Less Allowance for Doubtful Accounts: (8,584,821)
Net Accounts Receivable: **11,107,662**

Days Receivables Outstanding 43

As of August 31, 2021

Rate Class	A G I N G							
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	434	\$ 2,558,552	\$ 481,018	\$ 244,613	\$ 19,908	\$ 459,473	\$ 3,763,564	19%
Agriculture	402	31,680	6,415	3,311	3,453	30,458	75,317	0%
Commercial I	2,616	1,290,022	87,136	57,690	19,775	436,408	1,891,031	9%
Commercial II	33	214,806	299	1,092	-	-	216,197	1%
Commercial III	302	564,049	29,656	13,000	12,579	230,158	849,442	4%
Golf Course	16	3,870	-	-	-	-	3,870	0%
Hotel	58	1,428,598	118,182	75,705	48,078	623,866	2,294,429	11%
Irrigation	33	2,882	324	253	272	1,964	5,695	0%
Residential	47,984	4,546,435	1,004,015	529,561	359,146	4,493,597	10,932,752	55%
	51,878	10,640,893	1,727,046	925,224	463,212	6,275,923	20,032,297	100%
		53%	9%	5%	2%	31%		

Less Allowance for Doubtful Accounts: (8,229,726)
Net Accounts Receivable: **11,372,430**

Days Receivables Outstanding 45

ACTIVE ONLY

Rate Class	A G I N G							Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days			
Government	434	\$ 1,688,453	\$ 636,603	\$ 378,912	\$ 184,219	\$ 445,850	\$ 3,334,036	21%	
Agriculture	384	18,108	4,853	2,795	744	5,464	31,964	0%	
Commercial I	2,456	1,180,578	67,671	25,629	21,955	264,027	1,559,859	10%	
Commercial II	33	239,786	-	-	-	-	239,786	2%	
Commercial III	287	579,396	84,943	14,014	5,372	226,279	910,004	6%	
Golf Course	16	7,398	-	-	-	-	7,398	0%	
Hotel	56	1,359,094	156,252	61,532	45,673	532,245	2,154,796	14%	
Irrigation	32	3,431	360	321	134	148	4,394	0%	
Residential	39,932	4,380,432	723,188	356,665	272,849	1,640,984	7,374,118	47%	
	43,630	9,456,675	1,673,871	839,867	530,946	3,114,997	15,616,356	100%	
		61%	11%	5%	3%	20%			

Less Allowance for Doubtful Accounts: (8,584,821)
Net Accounts Receivable: **7,031,534**

As of August 31, 2021

Rate Class	A G I N G						Total	
	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days		
Government	434	\$ 2,558,552	\$ 481,018	\$ 244,613	\$ 19,908	\$ 459,473	\$ 3,763,564	23%
Agriculture	382	31,240	5,253	2,503	2,608	5,396	47,000	0%
Commercial I	2,456	1,287,313	77,771	49,933	19,683	271,590	1,706,291	11%
Commercial II	32	214,806	299	-	-	-	215,105	1%
Commercial III	288	559,252	24,576	13,000	12,579	181,119	790,526	5%
Golf Course	16	3,870	-	-	-	-	3,870	0%
Hotel	56	1,428,598	118,182	75,705	48,078	499,555	2,170,118	13%
Irrigation	32	2,882	324	253	272	669	4,400	0%
Residential	39,955	4,309,348	682,461	402,501	256,073	1,737,272	7,387,655	46%
	43,651	10,395,861	1,389,885	788,508	359,203	3,155,074	16,088,530	100%
		65%	9%	5%	2%	20%		

Less Allowance for Doubtful Accounts: (8,229,726)
Net Accounts Receivable: **7,858,804**

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		
September 30, 2021	\$ 2,149,072 82%	\$ 145,056 6%	\$ 55,956 2%	\$ 19,984 1%	\$ 249,782 10%	\$ 2,619,850 100%		31
August 31, 2021	\$ 3,022,574 74%	\$ 388,262 10%	\$ 248,030 6%	\$ 110,845 3%	\$ 302,326 7%	\$ 4,072,038 100%		38
July 31, 2021	\$ 2,034,738 65%	\$ 1,476,814 14%	\$ 154,873 10%	\$ 64,741 2%	\$ 365,181 10%	\$ 4,096,347 100%		39

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)	% Inc / (Dec.)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	1%	3,712,723	11%	3,622,617	-2%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	-1%	822,029	-9%	786,054	-4%
F Federal	1,168	1,180	2,508	1,813	1,602	-12%	1,338	-16%	2,069	55%
G Government	515,974	475,366	448,430	450,165	405,980	-10%	408,502	1%	404,026	-1%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	9%	714,161	-34%	448,034	-37%
G Golf	6,850	6,770	5,252	2,741	2,793	2%	5,835	109%	2,855	-51%
A Agriculture	67,376	78,628	69,482	81,127	90,803	12%	84,492	-7%	68,805	-19%
I Irrigation	<u>10,385</u>	<u>11,351</u>	<u>10,143</u>	<u>8,504</u>	<u>7,896</u>	-7%	<u>8,654</u>	10%	<u>5,404</u>	-38%
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>	2%	<u>5,757,733</u>	-2%	<u>5,339,864</u>	-7%