

CONSOLIDATED COMMISSION ON UTILITIES

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

Regular Board Meeting CCU Conference Room, Gloria B. Nelson Public Service Building 5:30 p.m., January 26, 2021

MINUTES

1. CALL TO ORDER

The CCU Chairman called the January 26, 2021 CCU Regular Meeting to order at 5:38 p.m. He said four [4] Commissioners were present for a quorum and that Comm. Santos was excused. Others in attendance include:

Commissioners:

Joseph T. Duenas CCU Chairman
Michael T. Limtiaco CCU Secretary
Judith P. Guthertz Commissioner
Simon A. Sanchez Commissioner

Executive Mgmt.:

John Benavente GM / GPA
Miguel Bordallo GM / GWA
Melinda Mafnas AGMO / GPA
Tom Cruz AGMO / GWA
Tricee Limtiaco AGMA / GPA
Chris Budasi AGMA / GWA

John J. Cruz AGMET / GPA – Online

Paul Kemp AGM Compliance & Safety/ GWA - Online

John Kim CFO / GPA Taling Taitano CFO / GWA

Graham Botha Legal Counsel / GPA
Kelly Clark Legal Counsel / GWA

Management & Staff:

Vien Wong IT Support / GPA
Roque Rosario IT Support / GWA
Chris Portin IT Support / GPA

Vangie Lujan Safety & Compliance / GWA
Patti Diego Communications / GPA - Online

Ann Borja-Gallarde Management Analyst IV / GWA Ex.Office Joyce Sayama Management Analyst / GPA Ex. Office

Lou Sablan

Board Secretary / CCU

Guest:

Annmarie Muna Tricia Granillo

AM Insurance
AM Insurance

Ed Ilao

JMI Edison - Online

F. Castro

Sen. Sabina Perez - Online

2. APPROVAL OF MINUTES

The Minutes of the CCU Special Meeting of November 10, 2021 was presented for approval.

Comm. Guthertz motioned to approve the Minutes, second by Comm. Limtiaco. There was no further discussion or objection and the motion passed. The vote was 4 ayes / 1 absent.

3. PUBLIC COMMENTS - None

4. GPA

4.1 GM Report

The General Manger gave his usual GM Summary report per following highlights – not all slides were included here. A full report is available upon req

6. PUC Update:

 Public hearings for "Docket 20-10 Petition to Establish Condominium Rate" were held on January 13 & 14, 2021 in Hagatna, Asan, and Dededo respectively. We expect the PUC to address the matter in their January 28, 2021 meeting.

7. Legislative Matters:

- Bill 219-35 Renewable Energy Purchase or Lease-Back for Educational Facilities was placed on the 35th Legislature's December session agenda. The legislation would have resulted in higher rates for non net-metering customers, as well as violated bond covenants. Bill 219-35 was sent from the 3rd Reading File to the 2nd Reading File during the December session, and did not advance to the voting file.
- Bills 9-36 & 10-36 Introduced: Both Bills which were introduced in the 35th Legislature have been re-introduced in the current 36th Legislature. The Bills are related to back billing and net metering respectively. Public hearing dates have not been announced.

8. Yigo Diesel Generator PMC Update:

 Issued bid GPA-061-20 for Management, Operation and Maintenance of the now GPA-owned Yigo 40MW Diesel Power Plant (formerly AGGREKO). Price proposals were opened on 10/30/2020. GPA cancelled the bid and plans to make adjustments to specifications. GPA began operating and maintaining units on January 9, 2021.



9. Phase III Renewable Project Update:

 GlidePath filed an appeal in the Superior Court of the OPA's decision which favored a GPA award to Engie for 40 MW of solar with full energy shifting ESS. GPA has no update at this time on the process or the timeline of the court.

Energy Storage System (ESS) Update:

The construction of ESS projects in Talofofo and Hagatra have been completed; the energization and commissioning work continues. The following graphs provide a preliminary indication of the positive impact the ESS has on frequency regulation of intermittent solar production energy. The ESS is being operated mainly during weekdays for fine tuning which will continue into February. Commissioning is anticipated no later than March 31, 2021.

11. COVID-19 Impact Report:

 The following graph is a summary of GPA's Workforce Availability from October 30 - December 31, 2020

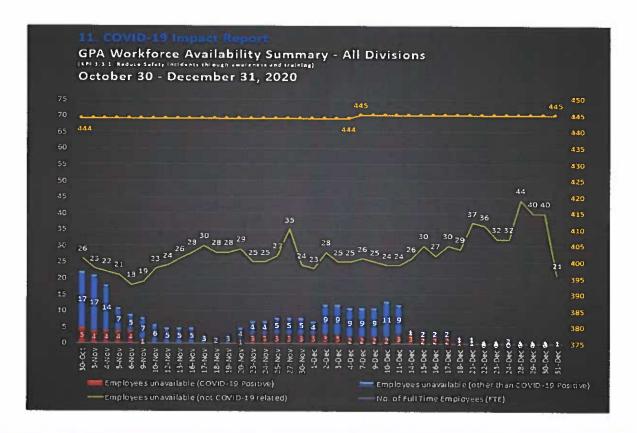
Customer Engagement Survey:

- Conducted October 21, 2020 November 21, 2020
- Quantitative baseline
- Mixed-mode internet & telephone

The following slides provide the findings and insights of the survey

13. Generation KPIs:

The following graphs show updated information through Dec. 2020:



[ANTHOLOGY]

Customer satisfaction levels are good (We aim for *great* customer satisfaction)

Goal: Improve mean score to 8.5+ with 50% in top box

Conducted October 21, 2020 - November 21, 2020

- Quantitative baseline
- Mixed-mode internet & telephone

A total of 1,035 surveys were collected, with quotas set by customer classification.

- Residential post-pay: n=677
- Residential pre-pay: n=120
 Commercial: n=238
- Commercial: N=250

100%

Margin of error for overall sample is +/- 3.05% at a 95% confidence level.

Nearly 6 in 10 customers say GPA is IMPROVING



Opportunities to improve customer engagement & satisfaction

- Reduce outages
- Improve clarity and timeliness of customer communications
- Provide friendly and professional customer call center
- Better communicate variety of options for contacting GPA
- Better communicate customers ways to conserve energy

Most important factors for customers (top 3)

- Being able to pay my bill online (18%)
- Ability to communicate clearly and in a timely manner (12%)
- Supports renewable energy such as photovoltaic (12%)

Preferred modes of communication

- Email
- Text Messaging

Customer Engagement Survey

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OVERALL CUSTOMER SATISFACTION

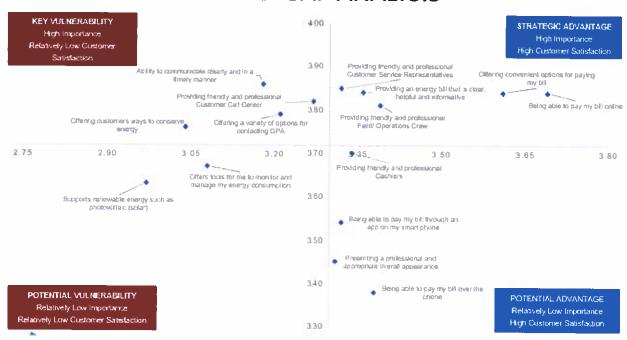


- Residential: those who live in single-family homes gave higher satisfaction scores
- Residential: customers who live in the southern part of the island provide statistically lower satisfaction scores

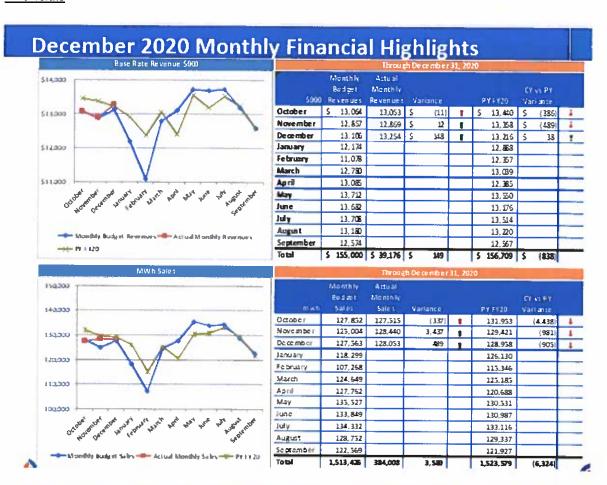
Q2. Generally speaking, how would you rate your overall satisfaction with GPA and the services they provide to you? On a scale of one to ten with 10 being very satisfied and 1 being very dissatisfied, how satisfied are you with GPA?



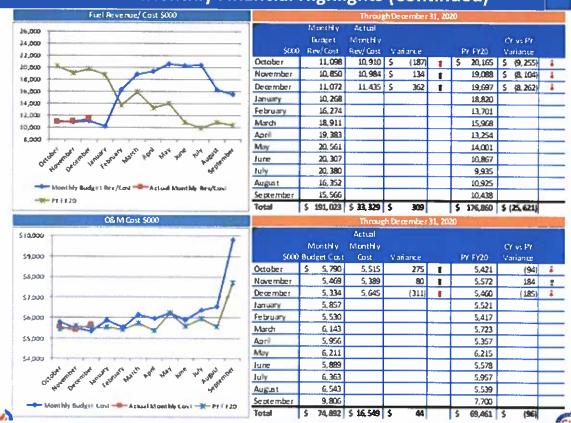
NEED-GAP ANALYSIS



4.2 <u>Financials</u>



December 2020 Monthly Financial Highlights (Continued)



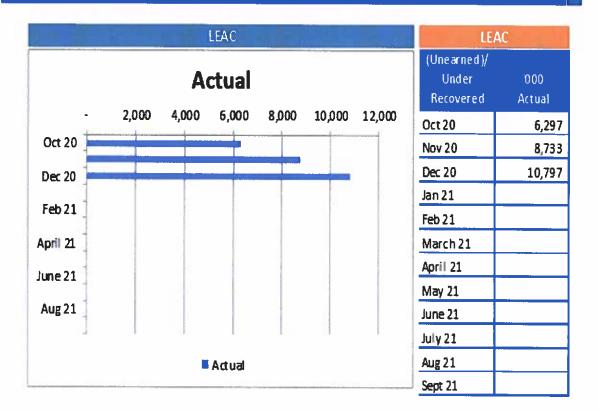
December 2020 Monthly Financial Highlights (Continued)

Through December 31, 2020										
	4Q2018	1Q2019	202019	3Q2019	402019	1 020 20	202020	3 02 020	4Q2020	102021
Residential	43,887	43,920	44,144	44,329	44,479	44,203	44,509	45,069	44,191	44,345
Commercial	5,261	5,273	5,291	5,303	5,289	5,154	5,352	5,309	5,366	5,298
Government	1,077	1,090	1,074	1,075	1,070	1,072	1,059	1,061	1,081	1,068
Streetlights	1,152	1,151	1,152	1,138	1,138	1,135	1,128	1,139	1,132	1,135
Navy	1	1	1	1	1	1	1	1	1	1
Total	51,378	51,435	51,662	51,846	51,977	51,565	52,049	52,579	51,771	51,847

Debt service coverage (DSC) calculation indenture	2015	2016	2017	2018	2019	2020	2021
Senior lien coverage	3,62	3,28	2.65	2.53	1.97	1.67	1.72
Aggregate debt service coverage	2.62	3.28	2.65	2.53	1.97	1.67	1.72
Debt service coverage (DSC) calculation-IPP as O&M							
Senior lien coverage	2.56	2.45	1.79	1.65	1.64	1.48	1.53
Aggregate debt service coverage	1.85	2.45	1.79	1.65	1.64	1.48	1.53

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December 2020 Monthly Financial Highlights (Continued)



December 2020 Monthly Financial Highlights (Continued)

	# Prepaid	Ва	alance in	P	ayment	
Date	Customers		arrear		Plan	Total
July 31, 2020	951	\$	579,651	\$	98,276	\$ 677,927
Aug .31, 2020	955	\$	133,710	\$	565,383	\$ 699,093
Sept. 30, 2020	996	\$	360,861	\$	546,949	\$ 907,810
Oct. 31, 2020	1000	\$	534,346	\$	544,028	\$ 1,078,374
Nov. 30, 2020	988	\$	688 ,25 3	\$	527,062	\$ 1,215,315
Dec. 31, 2020	1002	\$	802,879	\$	514,058	\$ 1,316,937

December 2020 Monthly Financial Highlights (Continued)

Proposed L EAC Rate (\$000)

Average Frice per 85/-RFO
Average Frice per Bbl-Diesel
Number 6 (HS FO/LSFO)
Number 2 (Diesel)
Renewable (Solar)
TOTAL COST
Handing Costs
Total Current Fuel Expense
Chillian Allocation
LEAC Correct Fuel Expense
Estimated OSM for this period
Deferred Fivel Expense at the paginning of the period
Total LEAC Exporse
Less Trans Level Costs
Distribution Level Costs
Over recovery/ (Under) at the end of the period
Adjusted Distribution Ediel Costs
Distribution Level Sales (m.Wh)
LEAC Factor Distribution
Current LEAC Factor Distribution
reress/Decress)
Monthly Increase/(Docrease) - 1000 xWh
% Increase(ID ocrease) in tEAC
% fromase/Decrease in Total Bill
Discount (3%) - Primary 13 8 KV
Escoure (4%) - 34.5 KV
Discount (5%) - 115 KV

With Actuals thru December 2020								
	Status Quo		Full Recovery		50% Recovery			
MS Pricing 1.11.21 to 1.15.21 Feb 21-Jul 21		1.15.21 1.15.21		MS Pricing 1.11.21 to 1.15.21 Feb 21- Jul 21				
S	60.61 71.13	S	60.61 71.13	\$ 5	60.61 71.13			
\$	49,796	s	49.796	5	49,796			
	37,869		37,869	ľ	37,869			
	4.690		4.690		4.690			
s	92,355	\$	92,355	3	92,355			
	6.443		6.443	- 3	6.443			
\$	98.798	5	58.798	5	98.798			
8	80.530% 79.563	,	80.530% 79.563	s	80.530% 79.563			
5	1,500	5	1,500	5	1,500			
	14,709		14,709		14,709			
5	95.772	5	95,772	5	93.772			
	/2.660		(4.819)		(3.740)			
\$	93.112	\$	90.953	5	92.032			
3	(42,902	\$		\$	(21,451)			
5	50 210	5	90.953	5	70,581			
	578.459		578,459		578,459			
10	0.044860		0.167233		0/122078			
	0.086800	6.0	0.096800		0.086800			
	(0.00000)		0.07043		0.03522			
5	(0.00)	5	70.43	5	35.22			
	0.00%		81,14%		40.57%			
_	0,00%		38.83%		19.41%			
	0084200	*	0.252546	8	0.318427			
	Q18839/	\$	0253204	8	U.333U.66			
Target C	0082924	6	0770577	5	C.1165E3			

4.3 Resolution 2021-01 Approval of Conversion of Piri 8&9

Piti Units 8&9 are under a Consent Decree in Federal Court. The Consent Decree mandates GPA to contract for the conversion of the units to burn ultra-low sulfur diesel (ULSD) to comply with USEPA National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP).

The project to be implemented by MEC and BWSC provides a technical solution to eliminate the Sulphur oxide emissions and comply with the Consent Decree and new USEPA NAAQS rules. The Piti 8&9 units are critical for system reliability until the new power plant is commissioned.

MEC submitted a proposal of \$14,141,045.28 for the conversion. The funding source will be Cabras 3&4 Insurance Proceeds. MEC proposed the full conversion to be completes within 15 months after contract signing.

Comm. Sanchez asked if 8&9 are not converted can GPA still operate it. The GM said he does not have the answer but April 2023 is the deadline then they will take GPA to court.

Comm. Sanchez said right now we need Piti 8&9; there are 2 issues a reliability and fuel cost issue. If we spend \$14M we save \$51M. When we lost Cabras 3&4 reliability became a key issue and Piti 8&9 helped with reliability; if we don't do the conversion, we are subject to millions in fines. Relative to reliability GPA needs 8&9; management is asking to invest \$14M to make them compliant. The source of the \$14M is insurance proceeds, not ratepayers. After the Ukudu plant is operational, management will decide the future status of Piti 8&9. After 2 years GPA will solidify what to do with 8&9.

Comm. Limtiaco said the CCU passed Resolution 2020-14 in 6/23/20, authorizing GPA to plan for the retirement of Piti 8 & 9 and to request USEPA to modify the consent decree to retire Piti 8 & 9 in lieu of conversion to ULSD; he asked what changed in past 6 months; GM Benavente responded that the resolution was to retire subject to PUC and USEPA conditions in the process the delay of Ukudu happened due to COVID and the April 2023 deadline all contributed to where we are today. Conditions have changed which forced GM to revisit this issue and which resulted in this requested action.

Comm. Limtiaco asked if there were other units that are ready to retire. GM Benavente responded that Piti 8&9 are the real candidate for retirement but there is also the Tenjo plant and the other combustion turbine generators that could be considered for retirement. He said putting on more renewables will force GPA to look at other opportunities for consideration like battery storage or similar in order for the current conventional generators to retire.

Comm. Sanchez motioned to approve Resolution 2021-01, seconded by Comm. Guthertz.

Comm. Sanchez reiterated his understanding that \$14 million in insurance proceed as insurance that we have reliable power and save \$30-40M of fuel cost in the future once the Ukudu Plant comes on line. Afterwards we own it and it is there; if we need it in the future, we can run it if needed.

On the motion there was no further discussion or objection and the notion passed. The vote was 4 ayes / 1 absent.

4.4 Resolution 2021-02 Approval of Ukudu Power Plant ECA Amendment for Relocation of Emergency Diesel Unit

Guam Power Authority (GPA) and Guam Ukudu Power (GUP) LLC signed the Energy Conversion Agreement (ECA) for the construction, operation and transfer of a 198 MW power plant to be sited on GPA owned property in Ukudu, Dededo. Guam Ukudu Power (GUP) LLC is a local company formed by the KEPCO-EWP consortium ("KEPCO-EWP").

The relocation of the emergency diesel units will allow the Ukudu Power Plant to be permitted as a minor source air permit plant which will significantly reduce the permit process and overall construction and commissioning schedule of the new plant. This would minimize delays on the retirement of the Cabras 1&2 Power Plant as per the consent decree. The consideration for the relocation of these diesel units includes a separate O&M cost that would also provide GPA access and use of these units to support the Island-Wide Power System (IWPS) outside of any Ukudu Power Plant outages. Its efficiency and operating costs along with the Yigo Diesel Units (formerly Aggreko units) would allow for the retirement of older and costlier Power Plants. The site for the relocated diesel units is adjacent to the GPA bulk storage tanks in Piti.

GPA has negotiated for a 41MW diesel plant with improved engines for continuous operations with a fixed O&M cost of \$2,000,000 annually and a variable O&M cost of \$0.025/kWh net production when dispatched by GPA. The funding source is revenue funds.

Guam Ukudu Power LLC has provided a schedule for minor source air permit path with the new COD of the Ukudu plant to be no later than April 2024 with best efforts to achieve a target COD of November 2023. The GM said he wants to see the latter schedule come to fruition. The priority now is to get the permitting.

GM said that with the new negotiations the original standby gen of 65MW was changed to a 41MW standby gen to be housed at Cabras which will be a further cost savings. Having it housed in Ukudu would require the fuel to be trucked there at \$9 per barrel. With the pipeline in place this is not an issue. The new negotiations is a win-win for both parties. The GM said the beauty of this is the gen will be operational 24/7. It was mentioned that the total savings with the new Ukudu plant is \$87M using ULSD fuel.

Comm. Guthertz motioned to approve Resolution 2021-02, seconded by Comm. Sanchez.

Comm. Limtiaco asked if the solicitation required the 65MW standby generator? GM said it was a proposal by KEPCO. The GM said the requirement was 180 minus 10% and 50% thermal efficiency. So, to attain this a bigger machine was required. To avoid being penalized for major source permitting it was decided to change the size of the gen to a smaller one that qualifies for minor source permitting. They added the difference in the form of a 25MW battery. To reiterate, Limtiaco said there is a drop in the size of generators from 41MW to 65MW but that is offset by the type of generator being proposed in the modification it can run continuously for more than 500 hours, 24/7 up to what is permitted to be compliant. The relocation from Ukudu to Cabras allows KEPCO to do minor source permitting rather than major source. It was mentioned that all this modification does not affect the performance standard. Comm. Limtiaco talked about performance bond prior to the financial close so KEPCO will have skin in the game – he asked for an update on this. The GM said this was very difficult for them to do because of the many required approvals that needed to be had. The last thing the GM wanted to happen was for then to walk away from the contract. The GM explained that KEPCO did not sign contract with EPC but this time around they have DOOSAN and they will be funding the contractor in order for them mobilize. The GM said his assurance is KEPCO's contract with Doosan.

Comm. Sanchez referencing the slide what re battery usage is it only for KEPCO's use or is it available for GPA to dispatch? Can this battery be used to support the growth of renewables? The GM said yes-this battery will be operational all the time and can help catch intermittency and it does play a roll on the renewables side.

On the motion, there was no further discussion of objection and the motion carried. The note was 4 ayes / 1 absent.

Comm. Limitaco asked about the go live date on the battery the GM said it is live now and is being tested throughout the day dispatchers are on duty to track when it is on or off. The Commissioner also asked if there is any data yet relative to before and after performances relative to intermittency; the GM said it is still a work in progress.

Comm. Guthertz asked about the power outages in the UOG / GCC area – she asked why. AGMO explained but her explanation was inaudible. The GM said usually these outages happen to prevent the system from completely failing. Feeders need to be taken off line in order to save the system form failing and the outages are

Comm. Sanchez led discussion re renewable customers using GPA as a battery storage for free. Right now, with full net metering they don't pay for this. If they want to be 100% off GPA, they would have

to buy their own battery. Right now, under the current net metering 2100 renewable customers get to use GPA as a battery and 48,000 other customers are paying for it. If they are going to use the grid for reliability, they should pay for it. The study is ongoing right now. John Kim commented that conference calls are forthcoming related to this subject which will be studied and presented to the PUC.

4.5 Resolution 2021 -03 Approval for Solicitation to Bid for 3-year Property Insurance Policy
This matter was tabled and not discussed.

5. GWA

5.1 GM Report

Update to Workforce Availability

GWA Workforce availability as of January 15, 2020

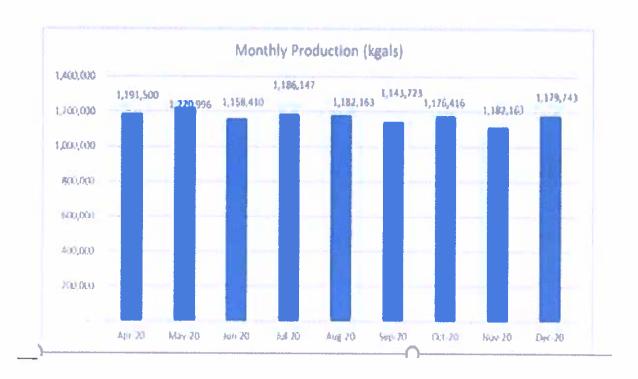
Healthy	362	97.1%
Sick, not COVID-19 related	3	0.8%
COVID-19 Quarantined	1	0.3%
Employee with COVID-19, active case	1	0.3%
COVID-19 Medical Risk	1	0.3%
Military Leave	4	1.1%
LTD	1	0.3%
	373	100%

	Total	
Healthy/Reporting for duty at worksite	291	78.0%
Healthy/Reporting for duty - Part Teleworking and Part Reporting		
for duty at worksite	42	11.3%
Healthy/Reporting for duty - Teleworking	28	7.5%
Employee sick - symptoms unrelated to COVID-19	3	0.8%
Military Leave	4	1,1%
LTD/Workers Comp	1	0.3%
Employee wants to electively self-quarantine, status not		
considered vulnerable - does not report for duty	1 1	0.3%
Employee with COVID-19, active case	1	0.3%
Employee or household member: Travel within last 14 days	1	0.3%
Employee or household member is at medical risk (i.e. COVID-19		
vuinerable)	1	0.3%
	373	100%

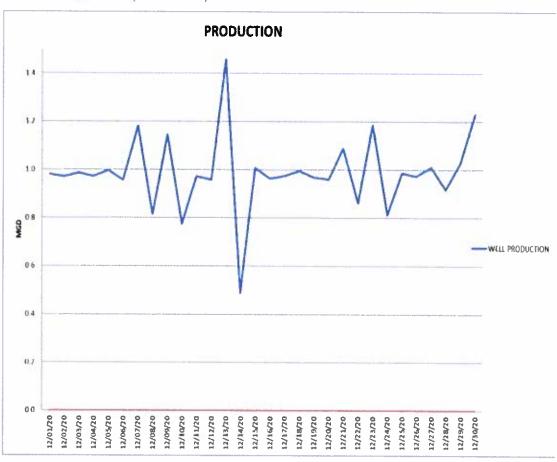
Operations Update

Production (December 2020)

Monthly Production	in Summary	- Decemb	er 2020				
Deep Wells			34.7	MGD			
Active wells =	90	of 120					
Avg days in operation =	31	days					
Total Production =	1,074,179	Kgals					
Springs			0.29	MGD			
Avg days in operation =	31	days					
Total Production =	8,885	Kgals			OW Status as of 1	1/11/100	
Ugum Surface Water Plant			21	MGD	kte	90	
Avg days in operation =	31	days			Counted notes or	54	
Total Production =	66,023	Kgals			hapitim	11	ACS-003-000-F06-F07-F13-6280-H6C3-4006-M17A-F1
Tumon Maul Well			0.99	MGD	Otdensium	<u> </u>	MINISTER STATE OF STA
Avg days in operation =	31	days			Temporally Secured	2	ADAS SAGE
Total Production =	30,656	Kgals			Stantly	9	12-12-06-0710/2014-02-12-12-12
	1,179,743	Kgals	38.1	MGD	TOTAL	120	



Tumon Maui Well Production (December 2020)

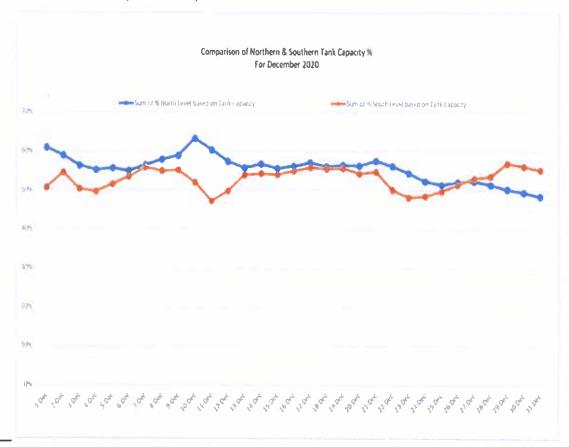


Distribution (December 2020)

Monthly Dis	stribution St	ımmary -	December 2	2020
Water Booster Pump	Stations			
District	No. of Stations	Total Pumps	Pumps Operating	% Operational
Northern	13	26	24	92.3%
Central	7	15	14	93.3%
Southern	7	15	15	100.0%
	27	56	53	94.6%



Distribution - Tank Levels (December 2020)



	Monthly Co	llections S	Summary	- December	2020
Wastew	ater Pump S	stations			
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	47	90.4%
	Central	29	63	58	92.1%
	Southern	26	56	48	85.7%
		77	171	153	89.5%



Wastewater Treatment (November and December 2020)

	- Flows			
Facility	Avg. Daily Flows	Sludge (lbs)	Slu	dge Disp. (\$)
Hagatna	4.18	253,980	\$	22,858
Northern	4.51	657,060	\$	59,135
Agat	2.46	107,560	\$	9,680
Baza	0			
Umatac	0.73			
Inarajan	0.17			
	12.05	1,018,600	Ś	91.673

W Treatment Plants	- Flows			
Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp (\$)	
Hagatna	4.45	465,220	\$	41,870
Northern	4.4	975,120	\$	87,761
Agat	2.1	97,820	\$	8,804
Baza	0			
Umatac	0.80			
Inarajan	0.15			
	11.90	1,538,160	\$	138,435

Tiyan Meter Installation Project

Accounts to be Metered	Number of Active Accounts with Meter Installed as of 1/19/2021	Remaining Number of Meters to Install
107	67	40

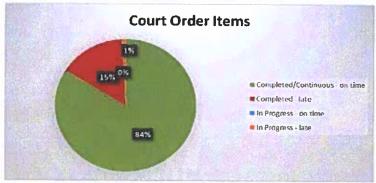
- Decision to move forward with metering Tiyan Flat Rate Customers.
- 35 meters installed between February 2020 and January 2021.
- Project plan included assessing each premise by locating water lines, discussing meter placement with customer and then scheduling installation.
- Confusion in procedures resulted in failure to send official notification of plan to assess and install meters to 35 customers.
- In many cases, installations were initiated at time of assessment after discussing meter location with customer.
- Four (4) accounts double billed (flat rate and metered consumption) in January 2021 due to issues with billing quality control. Process implemented to avoid this from happening again.

One Guam Update (through December 2020)

- 01- TMW
 - o Inspection for December postpone until January 2021 -
- 04-OEA Projects
 - Observation Wells/NGLA
 - The signed Temporary Construction Easements (TCEs) were sent to GWA for GM's signature.
 - Because TCE term was reduced to 1-year, the GM is waiting for contract issuance for construction to execute the TCEs – to insure we have sufficient time to complete the work within TCE term.
 - DOD/GWA MOA to ensure that the NGLA Observation Wells are properly maintained and each party funds the data collection and analysis is being reviewed by both Navy and GWA.
 - The DOD MOA with WERI will not move forward until DOD's budget is approved.
- 05- Water to Camp Blaz
 - GWA is preparing the proposals to address the needs of for Camp Blaz and for the Forrest Enhancement Irrigation Project.
 - DOD will confirm the water demands for the Forrest Enhancement Irrigation Project and provide to GWA.
 - Maria sent a spreadsheet to GWA on the projected requirements for Camp Blas for each year. The DOD water requirements from the Pott Junction connection for Camp Blaz are .3mgd for 2021 and .4mgd for 2023. The DOD water requirement for the Forrest Enhancement the .5 mgd for 2024.
- 06-Strategy/Framework Discussion
 - DOD and GWA exchanged each other's Hydraulic profile.
 - GWA will contact B&C to clarify some information from the Technical Memo (TM) regarding interoperability of water systems. Once B&C responds, Engineering will meet with Operations to discuss GWA's priority projects.
 - DOD and GWA need to meet once each party establish their priority projects.
- 07-Property Transfers
 - o Transfer documents of Navy Laterals at Murray Road was signed by Captain Grimes. It is with Capt. Liberator, then to the Admiral before submitting to GWA.
- 30-Other
 - Umatac / Cetti Bay Easement
- GWA would like to move forward with the extension of the Conservation Easement. Cpt. Grimes needs to
 execute the extension with GWA. Glen is working with the Installation for approval.
- Licenses for TMW, AG1 and Tarague Line
 - Andersen will work on the licenses in January
- Documentation/acceptance package for ACEORP Tunnel will be transmitted to the Governor's Office by December 16,
 2020.

Court Order Summary (November 2020 and December 2020 – no changes)





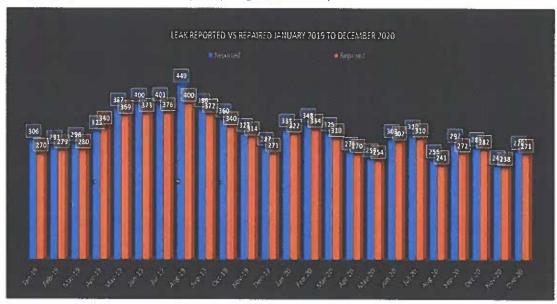
	Court Order Items	%	Performance	
Completed/Continuous - on time	78	84%	(on-time or	
Completed - late	14	15%	completed)	
In Progress - on time	0	0%		
In Progress - late	1	1%		
Totals	93	100%	98.9%	

Court Order – Status Information (November 2020 and December 2020)

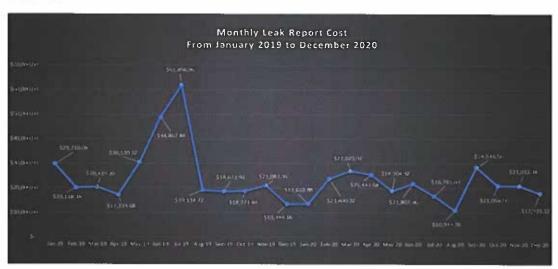
- 1 item delayed The Court Order is down to one item remaining, § II, (C), (29) Storage tank Repair. Restoration, Replacement or Relocation which is the item that will take longer than the "end" of the court order. That makes us 98.9% done with the CO.
- Final Date to complete all Court Order items will be delayed past December 31, 2020.
 - o CO 29(b) has been expanded by 31% beyond the original Court Order Requirements
 - o General Counsel is drafting filing for submission to District Court
 - o Additional impact resulted from delay of 2020 Bond issuance and there is also delay due to COVID-19 impacts
- Overflow or Bypass events reported to USEPA (for November 2020 and December 2020);
 - o 11-10-20 SSO#299, Francisco Javier Street, Agana Heights, 7950 gallons, FOG
 - o 11-19-20 SSO#309, Marine Corps Drive, Tamuning Mamajanao Pump Station, 10175 gallons, Pump Station Failure
 - 11-20-20 SSO#310, Marine Corps Drive, Tamuning, 1260 gallons, FOG
 - o 11-23-20 SSO#314, 385 Joaquin L.G. Jesus St., Asan, 3800 gallons, Heavy Rains
 - o 11-23-20 SSO#315, Vietnam Veterans Highway, Barrigada Sewer Pump Station, 8200 gallons, Heavy Rains
 - o 11-29-20 SSO#323, Chalan Chagamin Lago, Inarajan, 2400 gallons, Heavy Rains
 - o 11-30-20 SSO#329, Chalan Canton Tasi, Merizo, 85,350 gallons, Heavy Rains
 - a 12-03-20 SSO#330, Nino Perdido Street, Asan, 1050 gallons, Pump Station Failure
 - o 12-05-20 SSO#334, Chalan Canton Tasi, Merizo, 20,850 gallons Heavy Rain
 - a 12-11-20 SSO#343, Dairy Road, Mangilao, 575 gallons, No power at Pump Station Pump Station Failure
 - o 12-11- 20 SSO#344, Chalan Canton Tasi, Merizo, 8150 gallons, Heavy Rain
 - o 12-13-20 SSO#345, Ironwood Manor, Dededo, 640 gallons, Pump Station Failure
 - 12-15-20 SSO#348, Salomon Drive, Agana Heights, 805 gallons, FOG
 - 12-22-20 SSO#335, Dennie Lane, Yigo, 200 gallons, FOG

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo	Gov't CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. 3™ follow up update status request emailed to DLM 12/14/2020.
Tellins	Piti	Private	Received final comments from DoAg. Walting on the archaeological report before we can submit 299 form.
	Airport	Private	Petition revised, reviewed and approved by GWA legal counsel. Family attorney to forward for court approval. 12/22/2020
Deep Wells	AG-12	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2 ^{-d} follow up sent on 09/12/18. 3rd follow up sent on 04/10/19. Retracement Survey Property Map filed and recorded at DLM 7/10/19.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, 819, T3734, Inarajan 11/07/19.
Asan Springs	Asan	Federal	In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment will be developed. The permit for the biological survey was submitted on 6/12/2020 and is currently still in the hands of NPS. NPS is waiting to confirm with USFWS on the threatened and endangered species that are of concern at the project location. They are just waiting on USFWS confirmation.

Comparison of Leaks Reported vs. Leaks Repaired (through December 2020)



Monthly Leak Report Cost (through December 2020)



Assumptions:

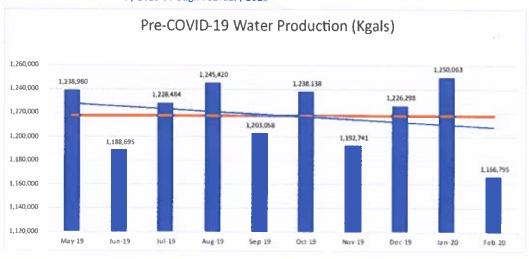
- 1. Leak rate = 4 gpm
- 2. Cost per kgal = \$4.00

Update to Workforce Availability - By February 1, 2021

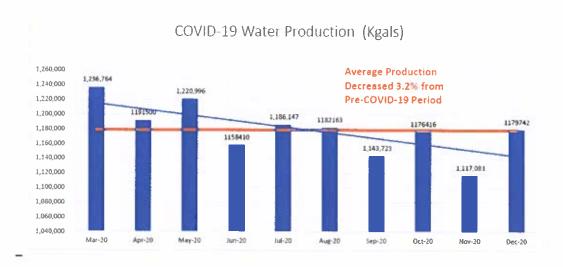
GWA employees that continue to telework

Row Labels	Count of Employee_Name		
Compliance & Safety	8		
CustomerService	4		
Engineering	1		
Finance	1		
Wastewater Treatment	1		
Grand Total	15		

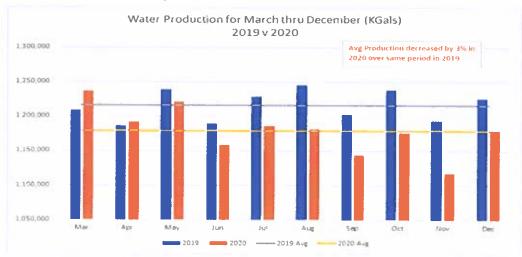
Water Production from May 2019 through February 2020



Water Production from March 2020 through December 2020



Water Production for March through December 2019 vs. 2020



5.2 Financials

There were 465 COVID-19 positive tests and 10 COVID-related fatalities reported during the month of December. Executive Order 2020-46 extended the public health emergency from December 29, 2020 to January 29, 2021. The first COVID 19 vaccines were given on December 17, 2020 to the Phase 1 priority group which included health care workers and first responders. At the end of December, 4,241 vaccines were administered.

In early November, the Governor introduced the *Strive for Five* campaign to bring down our CAR (COVID Area Risk) score to 5 or less in hopes of moving the community towards some semblance of normalcy. On December 31, 2020, the island's CAR score was at .5 and mass testing was available to the public at no charge at various locations throughout the island. The Governor's Office announced that Guam will be placed in PCOR 2 on January 18, 2021 as the island's CAR score has been under 5 for nearly 50 consecutive days.

About a third of customers continue to make payments in person. Using social media, GWA continues to encourage customers to conduct business online or via the phone. As part of this effort, GWA joined the *Going Online Together* campaign in June with several other organizations. Additionally, CARES funding was approved to customize an automated customer service online support portal on the GWA website.

On April 28th, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. Approximately 47% of payments made in the 1st Quarter of FY21 were made with credit cards. Below is a summary of payments made and related fees exceeding the limit.

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
May - September 2020	140	\$241,335	\$4,952	2.05%
October 2020	33	\$62,173	\$1,250	2.01%
November 2020	23	\$47,555	\$956	2.01%
December 2020	44	\$85,037	\$1,710	2.01%

Year to Date water consumption for the first quarter of FY21 is 13% lower than last year while daily water consumption for the period is down 12% from 16,216 to 14,488 Kgals. Although residential consumption is up 6% for water and 4% for wastewater, reductions in commercial and hotel of 43% in water demand and 40% in wastewater flows offset those increases.

For the month of December, water consumption was down 15% and wastewater consumption was down 18% partially due to reduction of 1 day billed this year compared to last. While daily water consumption for residents increased by 8%, overall daily water consumption was down by 13%.

The Guam Visitors Bureau and the Guam Airport Authority have announced that COVID 19 testing could begin in January, which could lead to changes in the mandatory 14-day quarantine. Additionally, negative coronavirus test results from Korea, Japan, and Taiwan could soon be accepted in time for the targeted reopening of tourism in the first quarter of CY2021. However, GVB suggests arrivals are not likely to pick up until the third or fourth quarter of FY2021 and a full tourism recovery may not happen until 2024. The Guam Hotel & Restaurant Association has noted that about 3,000 military reside in Guam hotels.

GVB is exploring the possibility of a travel bubble arrangement with Taiwan. The Governor will be visiting Taiwan to help boost this plan in the upcoming months. Meanwhile, most airlines have suspended flights to Guam.

Schools are scheduled to open on January 19, 2021 with parents able to choose face to face, online or hard copy for their children; we hope to see GDOE consumption increase as more activities are held at the schools. UOG and GCC are also considering reopening in a limited fashion but have not announced specific plans. See Schedule K for Water Demand for FY2015 to FY2021.

The second United States stimulus law was signed this month and includes some funding for rental and utility assistance as well as direct funding for water utilities. The Governor's Office applied for funding for the rental and utility assistance program in early January and we await information on the direct funding program. Unemployment assistance has been extended and the Department of Labor is determining whether reduced hours will be covered in the extension of the program. The deadline for the expenditure of CARES funding was also extended for a year.

As the recovery of Guam's economy is slower than expected, revenues are coming in below projections. A cost containment plan is in place in response to the revenue reductions. While sufficient cash reserves are in place, management will continue to assess the situation and make any course corrections required to ensure continuity of services to our customers while keeping the safety of our staff the highest priority. GWA is working with bond counsel to determine if a Rate Stabilization Fund can be stood up to assist with debt service coverage.

Balance Sheet

• Total Assets & Deferred Outflows of Resources of \$1.129B in September 2020 decreased by \$1.2M or less than 1% to \$1.128B in December 2020. Current Assets decreased by \$6.0M primarily due to reductions in federal receivables. Property, Plant and Equipment increased by \$4.5M due to increases in property net of accumulated depreciation. Other Noncurrent Assets increased by \$809K primarily due to increases in investment balances offset by reductions in

restricted cash. Cash on hand was calculated at 277 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.

- Liabilities & Deferred Inflow of Resources of \$869.9Min September 2020 decreased by \$4.2M or 1% to \$865.7M in December 2020 primarily due to reductions in contractors payable offset by increases in interest payable.
- Accounts Receivable days were 50 in December compared to 49 in November 2020 and Accounts Payable days were 33 in December 2020 compared to 31 in November 2020.

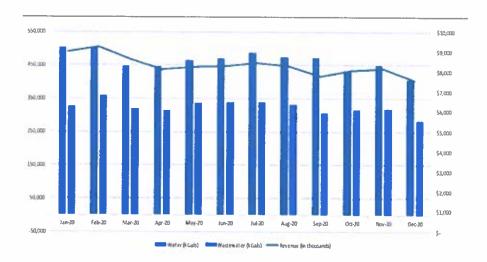
Statement of Operations and Retained Earnings

- Total Operating Revenues for December 2020 of \$7.6M were 20% or \$1.9M less than budget and 18% or \$1.7M less than December 2019 due to the impact of the COVID-19 public health emergency and offset by the 5% increases effective in March and October 2020.
- Year to Date Operating Revenues as of December 2020 of \$24.0M were 15% below budget and prior year or \$4.4M less than budget and \$4.2M less than last year.
- Below is the percentage of operating revenues (water and wastewater) contributed by GWA's customer classes for the first quarter of FY2021:

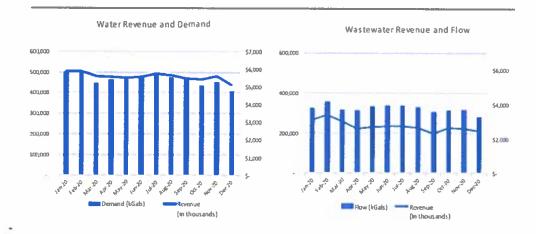
GWA Key Financial Indicators

Indicator	Target	November 2020	December 2020
OSC YID			
Per Section 6 12 of Indenture	1 25	1.30	1.33
Per PHC / CCt)	1 40	1.30	1 32
Days - Casti on Hand	120 days	268 days	277 days
Collection Ratio			
Month to Date	99%	192%	931
Year to Date	99%	195%	94%
Days Billiod	30 days	31 days	28 days
Account Receivable Days	30 days	49 days	50 days
Account Payable Days	45 days	31 days	33 days
Employee Count	400 FTE	374 FTE 1	373 FTE
Water Demand			
 Month to Date 	478,754	448,412	405,540
Year to Date	1.436.263	883,912	1.289,392
Wastewater Flow			
Month to Date	356.472	317,558	283.087
Year to Date	1.069,417	633,627	916 714
Writer Customers	42.839	42.978	43.021
Wastewater Customers	29.805	29.403	29.988

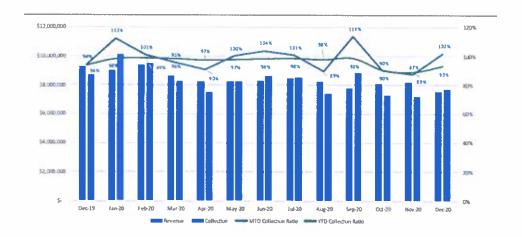
Overall Revenues and Demand



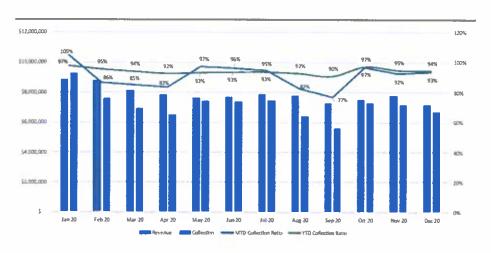
Revenues and Demand



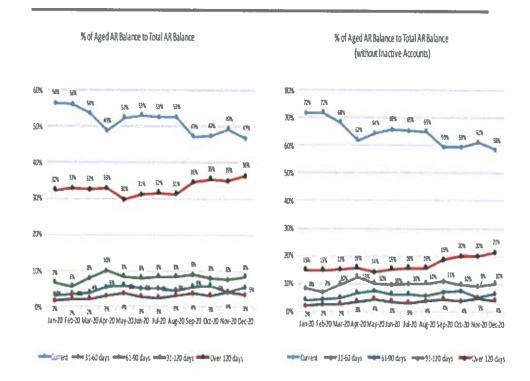
Overall Revenues and Collections



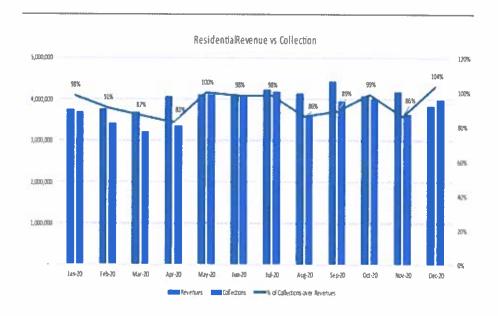
Revenues and Collections (without Navy)



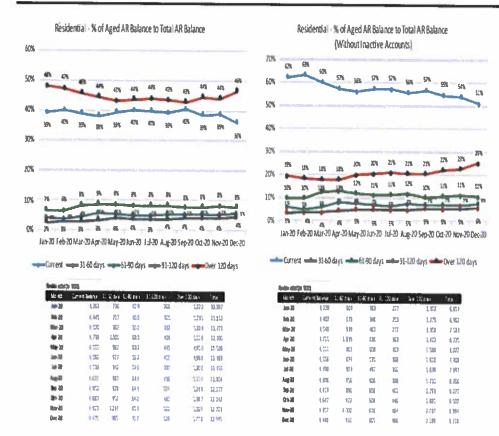
Overall – AR Aging



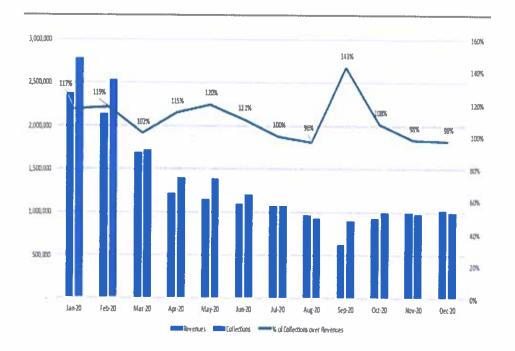
Residential Revenues and Collections



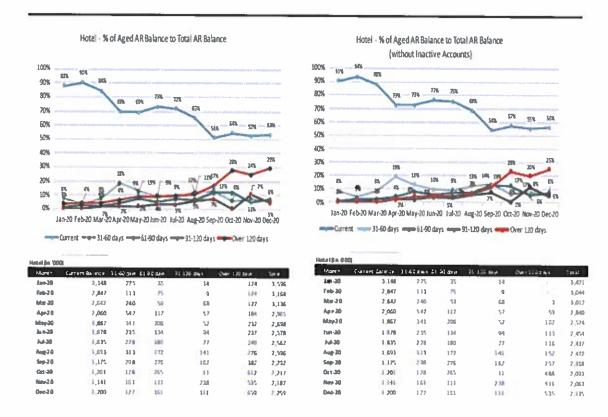
Residential- AR Aging



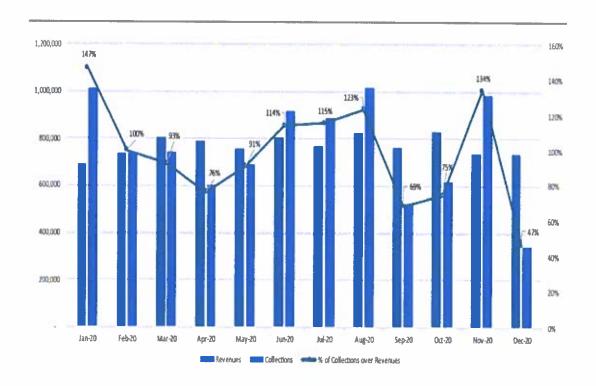
Hotel Revenues and Collections



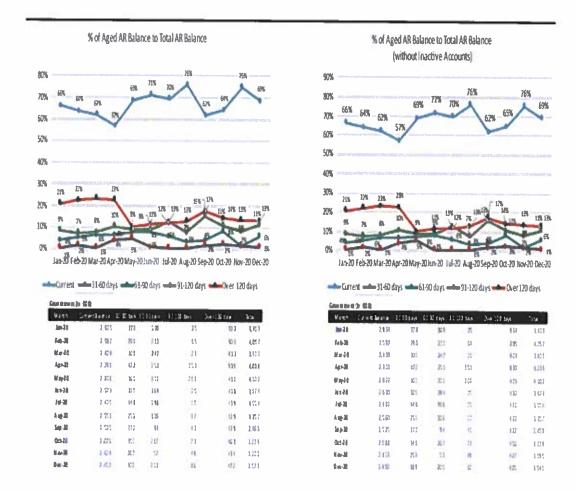
Hotel-AR Aging



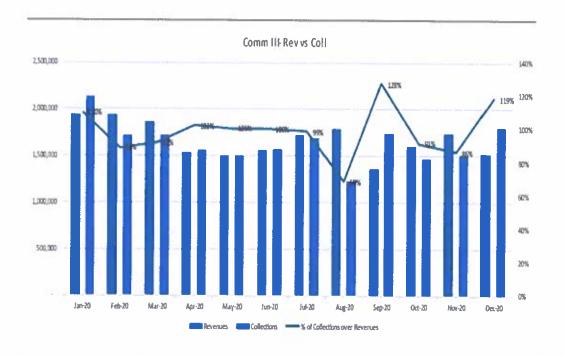
Government Revenues and Collections



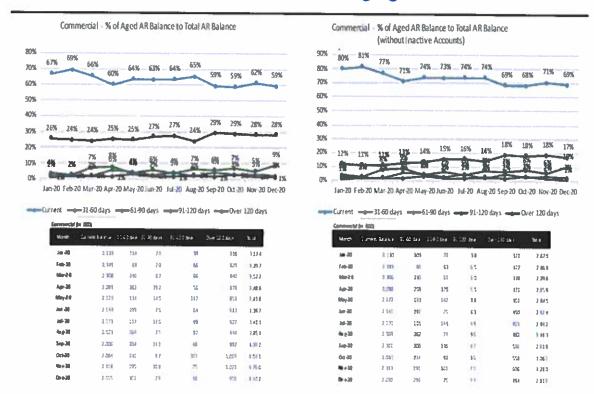
Government- AR Aging



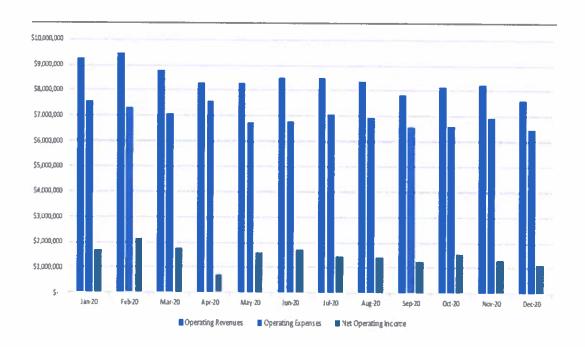
Commercial Revenues and Collections



Commercial- AR Aging



Income Statement



5.3 Resolution 06-FY2021 Relative to Change Order No. 5 Asan-Adelup-Hagatna, Rte1 Sewer Rehab Replacement Phrase I Project

If approved, Resolution 07-FY2021 will help improve the sewer collection system, which includes rehabilitating, repairing and/or replacing sewer manholes and gravity sewer lines along Route 1 from Adelup to Hagatna. These sewer infrastructure elements have been identified by GWA, through a Sanitary Sewer Evaluation Survey. Successful completion of this project will result in proper maintenance and operation of the sewer collection system and USEPA agrees that efforts to rehabilitate, repair or replace the sewer lines are necessary. The Change Order is necessary to add additional time and commensurate compensation for by-pass pumping and other unforeseen obstructions encountered during construction such as buried existing utilities, work hour restrictions by the Department of Public Works, archaeological discoveries, and extensive AC pipe repairs.

This project is located along Route 1, from Adelup to the Agana Main Pump Station in Hagatna at the Chamorro Village. Construction activities are limited to the government easements or the sewer infrastructure elements. The construction contract length of this project is increased by 205 calendar days by Change Order #5.

The original contract award amount was Six Million Two Hundred Seventy-Five Thousand Seven Hundred Eighty-Two Dollars and Eighty-Eight Cents (\$6,275,782.88). There have been four (4) previous change orders issued under this contract totaling Four Hundred Seventy-Nine Thousand Two Hundred Sixty Dollars and Eleven Cents (\$479,260.11). The current total contract amount is, therefore, Six Million Seven Hundred Fifty-Five Thousand Forty-Two Dollars and Ninety-Nine Cents (\$6,755,042.99). Resolution 44-FY2018 authorized a maximum contract expenditure of Six Million Nine Hundred Three Thousand Three Hundred Sixty-Seven Dollars and Seventeen Cents (\$6,903,367.17), (\$6,275,782.88 bid amount plus \$627,578.29 contingencies). Change Order #5 is in the amount of One Hundred Sixty-Eight Thousand Seven Hundred Thirty-Seven Dollars and Ninety-Three Cents (\$168,737.93). Approval of Change Order #5 will bring the contract total amount to Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42) which exceeds the amount authorized by Resolution 44-2018 by Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25).

GWA management requests CCU approval to increase the contract maximum amount by Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25) to enable GWA to execute the needed Change Order #5. The total authorized funding amount for this contract will then become Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42). Estimated completion of construction will be March 2021.

The funding for this project will be from USEPA SRF Grant Funds and, if necessary, GWA Bond Funds with a maximum project budget of Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42).

5.4 Resolution 07-FY2021 Relative to Indefinite Quantity Contract JMI Edison for Submersible Pumps Motors for GWA Wells

This request is for the necessary purchase of pumps and motors to maintain and improve reliability of GWA's water production system. The project is to replenish the inventory of submersible pumps and motors for GWA deep wells to ensure adequate stock is available at all times to quickly bring any wells back into service. The objective is to maintain critical inventory levels for pumps and motors at all times at GWA deep well facilities island wide.

The contract amount is \$1,496,805.18 for the purchases of submersible pumps and motors during the initial contract term of 3 years: submersible motors \$231,077.82, submersible pumps \$ 267,857.23, Estimated Annual \$498,935.06, Estimated 3-year Contract \$1,496,805.18. Should GWA approve the two (2) one-year options to renew the contract then the additional funding cost is estimated at Nine Hundred Ninety-Seven Thousand Eight Hundred Seventy Dollars and Twelve Cents (\$997,870.12). GWA management further seeks a ten percent (10%) contingency to the possible overall life of the contract (five-year term), of Two Hundred Forty-Nine Thousand Four Hundred Sixty-Seven Dollars and Fifty-Three Cents (\$249,467.53) to bring the total authorized funding to Two Million Seven Hundred Forty-Four Thousand One Hundred Forty-Two Dollars and Eighty-Three cents (\$2,744,142.83). The funding source is revenue or internally funded CIP.

The indefinite quantity contract will be in place for an initial term of 3 years and purchases will be ongoing on an as-needed basis over the life of the contract term.

It was reported that 16 potential bidders downloaded the bid information, 1 responded to the bid and JMI-Edison was awarded.

5.5 Resolution 08-FY2021 Approval of GWA 2021 Employee Recognition Program [ERP] Budget

GWA Management recognizes the employees are its valuable asset in maintaining high employee morale and retention. The implementation of a well-run Employee Recognition Program (ERP) is essential to maintain morale and employee retention which are inherent requirements of Section 3.4 Volume 1 of the Water Resources Master Plan to achieve employee satisfaction and pride identified as a strategic level of service (LOS).

The ERP will be implemented and maintained by the Human Resources Division and Program Managers within the Guam Waterworks Authority. A request for \$30k budget approval based on activities as presented is the proposed budget amount and will be funded through revenues.

Comm. Guthertz motioned to approve Resolution 08-FY2021, seconded by Comm. Sanchez.

In discussion Comm. Limtiaco asked if asked if GWA's FY21 budget will be increased because of this resolution and program and GM Bordallo responded there will be no increase in the FY21 budget. The Commission also asked if this program is not already active / being done. The AGMA Budasi said yes, it is but because there is no set budget, the program is not consistent. GM Miguel added that since CFO Taitano has come on board, she has initiated some programs but management believes the program must be an done annually and needs this funding request to be significant.

On the motion there was no further discussion or objection and the motion passed 4 ayes / 1 absent.

6. OTHER DISCUSSION

6.1 CCU Rules Update

7. ANNOUNCEMENTS

7.1 Next CCU Meetings

The Chairman announced that the next meeting would be a work session for GWA on Feb 16, a work session for GPA on Feb 18 and the regular monthly meeting on February 23.

8. ADJOURNMENT

There being no other business to bring before the Commission.

Comm. Guthertz motioned to adjourn the meeting second by Comm. Sanchez. There was no objection or discussion and the meeting adjourned at 7:25 p.m.

\\s\\ Bls

Attested

JOSEPH T. DUENAS, Chairman

MICHAEL T. LIMTIACO Secretary